REMEDIAL ACTION REPORT

Endolyne Garden Apartments
9212 45th Avenue Southwest
Seattle, Washington

Farallon PN: 1295-001

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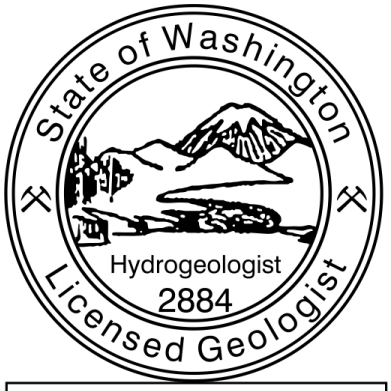

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ACRONYMS AND ABBREVIATIONS

bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and total xylenes
cPAH	carcinogenic polycyclic aromatic hydrocarbons
DRO	diesel-range organics
EPA	U.S. Environmental Protection Agency
Farallon	Farallon Consulting, L.L.C.
GRO	gasoline-range organics
HVOC	halogenated volatile organic compound
LNAPL	light nonaqueous-phase liquid
µg/L	micrograms per liter
µg/ m^3	micrograms per cubic meter
mg/kg	milligrams per kilogram
MTCA	Washington Model Toxics Control Act Cleanup Regulation
NFA	No Further Action
ORC	oxygen release compound
ORO	oil-range organics
PQL	practical quantitation limit
Site	the property at 9212 45th Avenue Southwest in Seattle, Washington
TEE	Terrestrial Ecological Evaluation
TPH	total petroleum hydrocarbons
UIC	underground injection control
UST	underground storage tank
VI	vapor intrusion

1.0 INTRODUCTION

Farallon Consulting, L.L.C. (Farallon) has prepared this report on behalf of Endolyne Apartments, LLC (Endolyne) for the property at 9212 45th Avenue Southwest in Seattle, Washington (herein referred to as the Site) (Figure 1). This report summarizes the results of groundwater monitoring activities prior to the cleanup action in 2018, the 2018 cleanup action, and compliance groundwater monitoring results from 2018 through 2023.

1.1 PURPOSE

The purpose of the work summarized herein was to establish baseline groundwater conditions at the Site prior to the cleanup action, to complete a cleanup action to remediate contaminant of concern concentrations in soil and groundwater at the Site to concentrations less than Washington State Model Toxics Control Act Cleanup Regulation (MTCA) cleanup levels, and to conduct confirmation groundwater monitoring following completion of the cleanup action. This report also addresses previous requests for additional information identified in the opinion letter provided by the Washington State Department of Ecology (Ecology) dated January 20, 2022 (2022 Opinion Letter) (Appendix A).

1.2 ORGANIZATION

This report has been organized into the following sections:

- **Section 2, Background**, provides a description of the Site and its history, and a brief summary of previous environmental investigations.
- **Section 3, Cleanup Action**, presents a summary of remedial action in-situ chemical injection activities conducted at the Site in July and August 2018 and groundwater treatment with chemical oxidant filter socks conducted at the Site from August 2019 through February 2020.
- **Section 4, Groundwater Monitoring**, provides a description of the field methods used for groundwater sampling activities conducted at the Site from July 2018 through December 2023.
- **Section 5, Groundwater Monitoring Results**, presents the results of groundwater sampling conducted at the Site from July 2018 through December 2023.
- **Section 6, Response to Ecology 2022 Letter**, presents the additional information requested by Ecology in the 2022 Opinion Letter.

- **Section 7, Conclusions**, presents Farallon's conclusions for the Site.
- **Section 8, References**, presents a list of documents cited in this report.
- **Section 9, Limitations**, presents Farallon's standard limitations for this report.

2.0 BACKGROUND

This section provides a description of the Site, its history, and a summary of previous environmental investigations. The location of the Site is depicted on Figure 1. Site features are presented on Figure 2.

2.1 SITE DESCRIPTION

The Site consists of King County Parcel No. 234670-0000 at 9212 45th Avenue Southwest in Seattle, King County, Washington. Latitude and longitude coordinates for the approximate center of the 0.22-acre Site are 47° 31.262' north and 122° 23.399' west. The Site lies in Section 35 of Township 24 North, Range 3 East of the Willamette Meridian. City of Seattle land-use zoning for the Site is NC1-30, which is neighborhood commercial for small shopping and convenience retail services for residential neighborhoods. The Site is identified in the Ecology Integrated Site Information System as "45th Ave SW Apartments" and "Endolyne Garden Apartments," and is listed under the following Ecology identification numbers: Voluntary Cleanup Program No. NW2809, Cleanup Site No. 10264, and Facility No. 71883959.

The Site is currently occupied by Endolyne Garden Apartments and Wildwood Market, a grocery market and restaurant that occupies the southern portion of the Site. The northern portion of the Site, encompassing all of the UST 1 and 2 Area and the majority of the UST 3 and 4 Area, is used as a ground-level parking garage.

2.2 SITE HISTORICAL USE

A gasoline station and automotive repair shop reportedly operated at the Site from prior to 1940 until 1989, when the Site was redeveloped with the current apartment building, grocery market, and restaurant (Farallon 2015). During redevelopment activities in the late 1980s, six underground storage tanks (USTs) formerly used to store oil and gasoline were decommissioned by removal from the Site.

2.3 PREVIOUS ENVIRONMENTAL INVESTIGATIONS

Results from work previously conducted at the Site by Farallon and others are summarized in the following documents; copies of these and related historical investigation documents are presented in Appendix A:

- Letter regarding Removal of Underground Storage Tanks, 14-Unit Apartment Building, 9212 45th Avenue S.W., Permit No. 645073, Seattle, Washington dated September 5, 1989, from Marc McGinnis of Geotech Consultants, Inc. (1989a) to Faith Lumsden of City of Seattle Department of Construction and Land Use (1989 UST Removal Report);
- Letter regarding Closure Report, Underground Storage Tanks, 14-Unit Apartment Building, 9212 45th Avenue, Seattle, Washington dated December 5, 1989, from Marc McGinnis and Don Spencer of Geotech Consultants, Inc. (1989b) to Fauntleroy Associates (1989 UST Closure Report);
- *Phase I Environmental Site Assessment, Endolyne Garden, 9212 and 9214 45th Avenue Southwest, King County Parcel No. 234670-0000, Seattle, King County, Washington* dated December 9, 2013, prepared by Terracon Consultants, Inc. (2013) for Intervest (2013 Phase I ESA);
- Letter Regarding Limited Subsurface Investigation – Summary of Results, Endolyne Garden Apartments, 9212 45th Avenue Southwest, Seattle, Washington. Dated May 1, 2015 from Thaddeus Cline and Clifford T. Schmitt. To Maureen Sanchez, Ecology (2015 LSI Report).
- Letter regarding Limited Subsurface Investigation—Summary of Results, Endolyne Garden Apartments, 9212 45th Avenue Southwest, Seattle, Washington dated June 6, 2016, from Eric Buer and Thaddeus Cline of Farallon (2016) to Endolyne Apartments, LLC c/o Steve Lazoff, Plus One Capital, LLC (2016 Limited Subsurface Investigation Report)
- Monitoring Well Installation and Sampling Report, Endolyne Garden Apartment, 9212 45th Avenue Southwest, Seattle, Washington dated June 21, 2021, prepared by Farallon (2021) for Endolyne Apartments, LLC (2021 MW Report).

Boring and injection locations, former UST basins, and other Site features are identified in Figure 2. Groundwater elevation contours from monitoring events are provided on Figures 3

through 6. A plan map with line of cross section and selected soil analytical results is provided on Figure 7. A cross section oriented from northwest to southeast through the former UST 1 and 2 basin and cleanup action treatment area is provided on Figure 8. Summary soil analytical results are provided in Tables 1 through 6. Summary groundwater elevations are provided in Table 7. Historical analytical results summaries are included in Appendix A.

2.3.1 1989 UST Closure and Sampling

According to the 1989 UST Closure Report, six USTs were removed from the Site in 1989 as follows:

Former Underground Storage Tanks				
Identification	Previous Contents	Date of Removal	Estimated Capacity (gallons)	Estimated Bottom Depth (feet)
UST 1	Heating Oil	7/17/1989	150	6
UST 2	Heating Oil	7/17/1989	330	6
UST 3	Gasoline	7/19/1989	5,000	12
UST 4	Gasoline	7/19/1989	5,000	12
UST 5	Gasoline	8/18/1989	1,000	8
UST 6	Gasoline	8/18/1989	1,000	8

Pertinent UST removal details are summarized below:

Heating Oil USTs 1 and 2:

- Soil samples were collected from the bottom and one sidewall of each tank excavation and analyzed for total petroleum hydrocarbons (TPH) by EPA Method 418.1.
- TPH as diesel-range organics (DRO) was detected at concentrations ranging from 94 to 1,150 milligrams per kilogram (mg/kg), less than the MTCA Method A cleanup level of 2,000 mg/kg.

- DRO was detected at a concentration of 1,150 mg/kg in the soil sample collected from the bottom of the westernmost former heating oil UST removed from the central portion of the Site.
- Approximately 5 cubic yards of petroleum-impacted soil was subsequently removed from that UST 1 and 2 UST excavation area. A subsequent soil sample analyzed for TPH indicated TPH was not detected at a concentration exceeding the laboratory practical quantitation limit of 5 mg/kg.

Gasoline USTs 3 and 4:

- Soil samples were collected from the eastern sidewall of the excavation and from stockpiled soil, and analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX).
- BTEX compounds were not detected at concentrations exceeding MTCA Method A cleanup levels.

Gasoline USTs 5 and 6:

- One soil sample was collected from beneath each former UST for laboratory analysis for BTEX.
- BTEX compounds were not detected at concentrations exceeding MTCA Method A cleanup levels.

Confirmation sampling following removal of the former USTs at the Site indicated that residual TPH and BTEX were present in soil in the vicinity of the former USTs following removal activities. Although analytical results from the 1989 removals did not indicate concentrations exceeding MTCA Method A cleanup levels, the 1989 site assessment activities were not consistent with the current guidelines provided in Ecology's *Site Assessment Guidance for Underground Storage Tank Systems* dated January 2021.

2.3.2 2015 Subsurface Investigation

Farallon conducted a subsurface investigation at the Site in January 2015 to investigate soil and groundwater conditions at the Site. A summary of the results is provided below. Complete analytical results including previous summary tables of reconnaissance groundwater analytical results is provided in the 2015 LSI Report (Appendix A).

2.3.2.1 Soil

The subsurface investigation included advancement of nine direct-push borings, advancement of two hand-auger borings in areas that the drilling rig could not access, and collection of soil and reconnaissance groundwater samples. Soil samples were collected from the borings at depths between 2.5 and 15.5 feet below ground surface (bgs) and analyzed for a range of contaminants that could be present from former UST operations. Samples were analyzed for TPH as diesel-, oil-, and gasoline-range organics (DRO, ORO, and GRO, respectively); BTEX; fuel additives; lead; carcinogenic polycyclic aromatic hydrocarbons (cPAHs); polychlorinated biphenyls; and/or halogenated volatile organic compounds (HVOCs). Analytical results are presented in Tables 1 through 6.

GRO was detected at a concentration of 63 mg/kg, which exceeds the MTCA Method A cleanup level of 30 mg/kg when benzene is present, in the soil sample collected from boring B3 at a depth of 11.5 feet bgs. GRO was reported non-detect at the laboratory practical quantitation limit (PQL) in the sample collected at a depth of 15.5 feet bgs in the same boring. Results for other locations and analytes were reported at concentrations less than MTCA cleanup levels for soil or non-detect at the laboratory PQL.

2.3.2.2 Groundwater

Groundwater was encountered at the Site at depths ranging from approximately 6 to 12 feet bgs during the 2015 subsurface investigation. Reconnaissance groundwater samples were collected from borings B2, B3, B4, and B6. A summary of the analytical results of groundwater samples collected at the Site in January 2015 is provided in Tables 7 through 12 and discussed briefly below:

- Analytical results for all contaminants of concern in the reconnaissance groundwater samples collected from borings B2 and B6 were less than MTCA cleanup levels or were reported non-detect at the laboratory PQL.
- GRO was detected at concentrations exceeding the MTCA Method A cleanup level of 800 micrograms per liter (µg/L) in reconnaissance groundwater samples collected from borings B3 (15,000 µg/L) and B4 (1,900 µg/L).
- Benzene was detected at concentrations exceeding the MTCA Method A cleanup level of 5 µg/L in reconnaissance groundwater samples collected from borings B3 (18 µg/L) and B4 (5.9 µg/L).

- Total lead was detected at a concentration of 1,300 µg/L in the reconnaissance groundwater sample collected from boring B4, which exceeds the MTCA Method A cleanup level of 15 µg/L.[1]

2.3.3 2016 Additional Subsurface Investigation

An additional subsurface investigation was conducted at the Site by Farallon in March 2016. The March 2016 subsurface investigation included advancement of three borings to collect soil samples, completion of these three borings as groundwater monitoring wells FMW-1 through FMW-3, and one groundwater monitoring event.

2.3.3.1 Monitoring Well Installation

Monitoring well FMW-1 was installed northeast-adjacent to the former location of USTs 3 and 4. Monitoring well FMW-2 was installed in the northern portion of the Site in the presumed down-gradient groundwater flow direction from the former USTs. Monitoring well FMW-3 was installed north-adjacent to the former location of USTs 1 and 2.

2.3.3.2 Soil

A summary of soil sampling and analytical results is presented below:

- Two soil samples were collected from the FMW-1 boring at depths of 4.5 and 8.5 feet bgs and analyzed for GRO and BTEX. GRO and BTEX were detected at concentrations less than MTCA Method A cleanup levels in the samples, indicating that the GRO impact previously identified in soil in boring B3 was restricted to the western portion of the Site.
- Two soil samples were also collected from the borings for FMW-2 and FMW-3 and analyzed for DRO, GRO, ORO, and BTEX. All analytical results were less than MTCA Method A cleanup levels.

2.3.3.3 Groundwater

Groundwater elevation measurements indicated that the groundwater flow direction at the Site in March 2016 was to the north-northeast. Groundwater samples were collected from monitoring wells FMW-1 through FMW-3 in March 2016 for laboratory analysis of DRO, ORO,

[1] There was insufficient sample volume from boring B4 to analyze for dissolved lead. Due to higher levels of turbidity, analytical results for reconnaissance groundwater samples may be biased high and not representative of groundwater quality.

GRO, BTEX, fuel additives, methyl tertiary butyl ether, naphthalene, cPAHs, HVOCs, total lead, and dissolved lead. A summary of the analytical results of groundwater samples collected at the Site in March 2016 is provided below:

- Total lead was detected at a concentration of 23 µg/L in the groundwater sample collected from FMW-1, which exceeds the MTCA Method A cleanup level of 15 µg/L. Total lead was detected at a concentration of 2.7 µg/L in the sample from FMW-2 and was reported non-detect at FMW-3.
- Dissolved lead was reported at a concentration of 1.4 µg/L in the groundwater sample collected from monitoring well FMW-1, and was reported non-detect at the laboratory PQL in the samples collected from FMW-2 and FMW-3.
- DRO, ORO, GRO, and BTEX were reported non-detect at the laboratory PQL in groundwater samples collected from FMW-1 to FMW-3.
- All other analytes including fuel additives, HVOCs, naphthalene, and cPAHs were reported either non-detect at the laboratory PQL or at concentrations less than MTCA cleanup levels.

2.3.4 2016 through 2018 Monitoring Well Installation and Sampling

Farallon installed additional monitoring wells FMW-4 in August 2016, FMW-5 and FMW-6 in October 2016, and FMW-7 in April 2018, as documented in the 2021 MW Report. Farallon collected soil gas sample SG-1 from sampling point FSG-1 inside the Wildwood Market building in August 2016. A summary of soil, soil gas, and groundwater analytical results is provided below.

2.3.4.1 Soil Gas

Temporary soil gas sampling point FSG-1 was installed on August 13, 2016 in the Wildwood Market tenant space proximate to the northwestern corner of the UST 5 and 6 Area (Figure 2). Farallon staff drilled a 1-inch hole through the building slab into the soil using a rotohammer to a completed depth of approximately 6 inches. A ¼ Teflon tube was threading through the slab and sealed in place with putty to create the sampling point.

The discrete soil gas samples were collected in accordance with Farallon's standard operating procedures for soil gas sampling. The soil gas sample was collected in a 1-liter Summa canister fitted with a 200-milliliter-per-minute valve. Prior to collection of the soil gas

sample, approximately three system volumes of soil gas were purged using a miniature air pump at the desired sampling rate to ensure that soil gas was being drawn from the subsurface.

The discrete soil gas sample was collected within a temporary helium-filled shroud to prevent sample contamination from ambient conditions. Farallon performed a real-time helium leak test prior to sample collection to ensure the integrity of the sample. After sampling was complete, the tubing was removed, and the hole was patched using quick-set concrete. The soil gas sample was submitted under standard chain-of-custody protocols to Eurofins Air Toxics of Folsom, California for analysis of BTEX.

Benzene was reported non-detect at the laboratory PQL of 3.8 micrograms per cubic meter (µg/m^3) in the soil gas sample. Ethylbenzene was detected at a concentration of 60 µg/m^3, toluene was detected at a concentration of 48 µg/m^3, and total xylenes were detected at a concentration of 380 µg/m^3. The reported concentrations are less than default Method B Soil Gas Screening Levels for residential exposure. The laboratory analytical report for this sample is presented in Appendix B.

2.3.4.2 Soil

A summary of soil analytical results is provided below:

- Three soil samples were collected from the FMW-4 boring at depths of 5, 10, and 15 feet bgs for analysis of GRO and BTEX. The soil sample collected at a depth of 10 feet bgs was also analyzed for lead. GRO, BTEX, and total lead were reported non-detect at the laboratory PQL.
- Two soil samples were collected from the FMW-5 boring at depths of 11.5 and 14 feet bgs for analysis of GRO and BTEX. The soil sample collected at a depth of 11.5 feet bgs was also analyzed for lead. GRO and benzene were detected at concentrations exceeding MTCA Method A cleanup levels in the soil sample collected at a depth of 11.5 feet bgs; toluene, ethylbenzene, and xylenes were reported non-detect at the laboratory PQL in the same sample. GRO or BTEX were reported non-detect at the laboratory PQL in the soil sample collected from the FMW-4 boring at a depth of 14 feet bgs.
- One soil sample was collected from the FMW-6 boring at a depth of 13 feet bgs for analysis of GRO and BTEX. GRO and benzene were reported at concentrations of 93

and 0.036 mg/kg, respectively in the sample; both analytical results exceed MTCA Method A cleanup levels for soil.

- One soil sample was collected from the FMW-7 boring at a depth of 9 feet bgs for analysis of GRO, BTEX, and lead. GRO and BTEX were reported non-detect at the laboratory PQL.
- Total lead was reported at concentrations less than MTCA Method A cleanup levels in soil samples collected from all three monitoring well borings.

2.3.4.3 Groundwater

Multiple groundwater sampling events were conducted at the Site in August 2016 through April 2018. Groundwater flow direction during the August 2016 through April 2018 monitoring period was to the northwest. Analytical results were as follows:

- GRO was detected at concentrations less than the MTCA Method A cleanup level in groundwater samples collected from monitoring wells FMW-1 through FMW-4, FMW-6, and FMW-7 during the 2016 to 2018 monitoring period.
- GRO was detected at a concentration of 4,100 µg/L, exceeding the MTCA Method A cleanup level of 30 µg/L when benzene is present, in the groundwater sample collected from monitoring well FMW-5 in October 2017.
- BTEX compounds were detected at concentrations less than MTCA Method A cleanup levels in groundwater samples collected from monitoring wells FMW-1 through FMW-7 during the 2016 to 2018 monitoring period.
- Total lead was detected repeatedly at concentrations exceeding the MTCA Method A cleanup level in the groundwater samples collected from monitoring well FMW-1. Lead was detected at concentrations greater than the MTCA Method A cleanup level in one sample from monitoring wells FMW-2 and FMW-3 in 2017. Lead was reported at concentrations less than MTCA Method A cleanup levels or reported non-detect at the laboratory PQL in samples collected from monitoring wells FMW-4, FMW-6, and FMW-7.
- Dissolved lead was reported non-detect at the laboratory PQL in all samples except for the March 2016 sample collected from monitoring well FMW-1 and October 2017 sample collected from FMW-5; both results were less than the MTCA Method A cleanup level.

Turbidity has previously been observed to be higher in monitoring wells FMW-1 through FMW-3. The reported concentrations of total lead in the groundwater samples collected from Site monitoring wells is likely related to suspended solids in the groundwater samples. Monitoring wells FMW-1, FMW-2, and FMW-3 are 1-inch-diameter wells that were not as thoroughly developed as other 2-inch-diameter wells at the Site because the standard submersible pump cannot fit inside the narrower casing.

Lead was not detected at a concentration that exceeded the MTCA Method A cleanup level in any soil sample collected at the Site during previous environmental investigations. GRO and benzene were previously confirmed in soil and groundwater in the west-central portion of the Site, down gradient of monitoring wells FMW-1 through FMW-3. If leaded gasoline were the source of the lead in groundwater at FMW-1 through FMW-3, elevated concentrations of GRO and benzene should be co-located with the lead detections. This spatial trend has not been observed. Similarly, locations with detectable concentrations of GRO and/or benzene (e.g., FMW-5) do not report elevated concentrations of lead. Therefore, lead has not been identified as a contaminant of concern for the Site.

3.0 CLEANUP ACTION

Analytical results from the environmental investigations conducted at the Site confirmed that GRO and benzene are present at concentrations exceeding MTCA cleanup levels for soil and groundwater in a localized area on the west-central portion of the Site. Soil contamination is limited to a narrow zone between approximately 11.5 and 13 feet bgs. The lateral extent of GRO and benzene impacts to soil is limited to a localized area proximate to boring B-3, FMW-5, and FMW-6. No other contaminants typically associated with releases from gasoline or heating oil USTs were detected at concentrations exceeding MTCA cleanup levels in soil at the Site.

Analytical results of groundwater sampling events indicated the limited presence of GRO at concentrations exceeding the MTCA Method A cleanup level in one monitoring well in the west-central portion of the Site. The location of the Site building and the presence of multiple underground utilities made excavation of impacted soil impracticable. Based on the building and utility location constraints, chemical injection and in-well chemical oxidant filter sock treatment were selected as cleanup actions for the Site.

This section presents a summary of cleanup action conducted at the Site. The cleanup action comprised chemical oxidant injections in a localized area in July and August 2018 and installation of a chemical oxidant filter sock at monitoring well FMW-5 in August 2019. The chemical oxidant sock was removed in February 2020.

3.1 CHEMICAL INJECTION ACTIVITIES

RegenOx (an oxidation agent) and an oxygen release compound (ORC) were injected into a localized portion of the Site proximate to FMW-4, FMW-5, and boring B3 between July 25 and August 10, 2018 (Figure 2). The ORC was a proprietary formulation of the food-grade calcium oxy-hydroxide that produces a controlled release of oxygen for up to 12 months after hydration. The injections were performed in accordance with the Underground Injection Control (UIC) Program requirements outlined in a letter dated July 2, 2018. The boring installation and injection activities were conducted by Cascade Environmental of Bothell, Washington. A total of 17 injection points were installed throughout the treatment area to maximize product distribution. Existing utilities including storm drains and water service lines prevented additional injection to the west at FMW-6.

The RegenOx and ORC products were mixed by Cascade Environmental in plastic totes in a mobile trailer. The mixed products were then pumped and injected into each direct-push boring location at an average flow rate of approximately 3 gallons per minute and an average pressure of approximately 40 pounds per square inch. RegenOx and ORC were injected into the subsurface at depths between 7 and 13 feet bgs, where GRO and benzene contamination was previously identified.

Approximately 60 pounds of RegenOx was applied at each injection point. An additional 20 pounds of ORC was applied at selected injection points. Surface returns observed during the injection process were immediately captured using a shop vacuum and containerized for disposal. Following completion of the injections, each injection point was backfilled with bentonite and the surface was sealed with asphalt or concrete.

3.2 CHEMICAL OXIDANT FILTER SOCK GROUNDWATER TREATMENT

Post-injection groundwater compliance monitoring approximately 10 months after the completion of chemical injections indicated that GRO was still present in groundwater at concentrations exceeding the MTCA Method A cleanup level at FMW-5. ORC filter socks packed with ORC Advanced from RegenOx were installed at the Site in August 2019 to enhance degradation of petroleum hydrocarbons in groundwater. The filter socks were placed in the upper 2 feet of the water column and left in-place through February 2020. Groundwater compliance monitoring was performed on a quarterly basis following removal of the filter socks through December 2020. An additional confirmation groundwater monitoring event was performed in January 2023.

4.0 GROUNDWATER MONITORING

This section describes the groundwater monitoring program from July 2018 through January 2023. Five groundwater sampling events were conducted at the Site between July 2018 and January 2023 at monitoring wells FMW-1 through FMW-7. Field methods for groundwater monitoring are described below; analytical results are provided in Section 5, Groundwater Monitoring Results.

4.1 GROUNDWATER ELEVATION

The depth to groundwater in each monitoring well was measured using an electronic water-level tape prior to sampling. Prior to measurement, the monitoring wells were opened and the water levels were allowed to equilibrate to the ambient atmosphere for approximately 30 minutes. The groundwater level was measured from a surveyed reference point marked on the top of the well casing. Groundwater elevations were calculated for each monitoring well from the reference point using the depth-to-groundwater measurement.

4.2 GROUNDWATER SAMPLE COLLECTION

Groundwater samples were collected consistent with U.S. Environmental Protection Agency (EPA) low-flow sampling methodology. For each groundwater sample, the pump intake was placed approximately 1.5 to 2 feet below the water surface in the monitoring well. Groundwater was purged from each well using a peristaltic pump at a flow rate of approximately 100 milliliters per minute and held steady during sampling.

Field measurements for pH, temperature, specific conductivity, dissolved oxygen, turbidity, and oxidation-reduction potential were collected during purging of groundwater using a water-quality meter equipped with a flow-through cell. Groundwater samples were collected after the pH, temperature, and specific conductivity parameters were confirmed to have stabilized. Due to the low yield of the saturated formation, some wells were purged dry even with the low-flow purge process. When wells were purged dry, groundwater samples were collected as soon as the well had sufficiently recharged to allow sampling.

Groundwater samples were collected from each well by discharging groundwater directly from the tubing outlet into laboratory-prepared sample containers. The samples were labeled, placed on ice, and transported under chain-of-custody protocols to OnSite Environmental Inc. of Bothell, Washington.

4.3 GROUNDWATER ANALYSIS METHODS

Groundwater samples were analyzed for the following:

- GRO by Northwest Method NWTPH-GX; and
- BTEX by EPA Method 8021B.

Groundwater samples collected from FMW-1 through FMW-3 in July 2018 were submitted for total and dissolved lead analysis by EPA Method 6010. Dissolved lead samples were field-filtered using a 0.45 micrometer filter prior to being placed in sample containers.

5.0 GROUNDWATER MONITORING RESULTS

The following section summarizes July 2018 through January 2023 groundwater monitoring results. Groundwater elevations and contours from 2020 through 2023 are presented on Figures 3 through 7. Groundwater elevation measurements are provided in Table 7. A summary of groundwater analytical results is provided in Tables 8 and 9. Laboratory analytical reports for groundwater sampling activities conducted between July 2018 and January 2023 are provided in Appendix B.

GRO was reported non-detect at the laboratory PQL in monitoring wells FMW-2, FMW-3, FMW-6, and FMW-7 throughout the monitoring period. Sporadic, low concentrations of GRO that remained less than the MTCA Method A cleanup level of 800 µg/L for sites where benzene is present were reported in monitoring wells FMW-1 and FMW-4 prior to completion of the cleanup action in February 2020.

Concentrations of GRO in groundwater measured in samples collected from monitoring well FMW-5 prior to the cleanup action ranged from 1,100 to 4,100 µg/L. Following the cleanup action and installation of the treatment socks, GRO concentrations declined, falling to less than the MTCA cleanup level in March 2020. GRO was detected at a concentration of 180 µg/L during the groundwater monitoring event performed in January 2023, 2 years after removal of the treatment socks (Chart 1).

BTEX was reported non-detect at the laboratory PQL in the groundwater samples collected from all monitoring wells on the Site except FMW-5 following the cleanup action. Low concentrations of ethylbenzene and xylenes were reported in samples collected from FMW-5 at the end of 2018; concentrations of all BTEX analytes were reported non-detect at the laboratory PQL from March 2019 through January 2023.

6.0 RESPONSE TO ECOLOGY 2022 LETTER

Ecology provided an opinion letter in January 2022 which required the completion of the following to consider issuing a No Further Action (NFA) opinion for the Site:

- Complete an appropriate level of Terrestrial Ecological Evaluation (TEE) to determine whether Site soil cleanup levels need to be adjusted, and submit the completed TEE forms to Ecology.
- Prepare a plan view map and a hydrogeologic cross section through monitoring wells FMW-1, FMW-3, FMW-5, and FMW-6 that shows the present extent of soils with concentrations of contaminants exceeding cleanup levels.
- Continue quarterly groundwater sampling of monitoring wells FMW-5 and FMW- 6 to determine whether the post-treatment contaminant plume is stable or decreasing, and to document the absence of contaminant rebound. Prepare and maintain a time-series plot of GRO concentrations in FMW- 5, including labeling of chemical treatment events (injections and sock placement/removal) and comparison with the MTCA Method A cleanup level.
- Show the present extent of groundwater with concentrations of contaminants exceeding Method A cleanup levels on a plan view map on the hydrogeologic cross section.
- Use groundwater monitoring data to demonstrate that the vapor intrusion (VI) exposure pathway is not present at the Site, per the Ecology Guidance for Evaluating Vapor Intrusion in Washington State (VI Guidance).
- Determine whether an empirical demonstration using data from monitoring wells FMW-5 and FMW-6 can be used to show that residual soil concentrations of GRO are protective of both groundwater quality and direct contact, and that the Site is eligible for an NFA opinion without an Environmental Covenant.
- If the Site is eligible for a Site-wide NFA, determine whether the Site qualifies for a Groundwater Model Remedy and therefore does not require a Feasibility Study and Disproportionate Cost Analysis.

Responses to each of these requirements are provided in the following section.

6.1 TERRESTRIAL ECOLOGICAL EVALUATION

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

- Document a TEE exclusion using the criteria presented in WAC 173-340-7491;
- Conduct a simplified TEE in accordance with WAC 173-340-7492; or
- Conduct a Site-specific TEE in accordance with WAC 173-340-7493.

Farallon performed a simplified TEE for the Site in accordance with WAC 173-340-7492. The purpose of the simplified TEE is to identify sites which do not have a substantial potential for posing a threat of significant adverse effects to terrestrial ecological receptors, and may thus be removed from further ecological consideration.

As documented below, an empirical demonstration indicates groundwater at the Site is protected. All soil at the Site meets MTCA Method B cleanup levels for direct contact. Therefore, the total area of soil contamination at the Site is less than 350 square feet, and the simplified TEE may be ended under WAC 173-340-7492(2)(a) because it does not pose a significant threat of exposure. No further analysis is required; the TEE form is provided in Appendix C.

6.2 MAP AND HYDROGEOLOGIC CROSS SECTION

A plan view map and hydrogeologic cross section, including monitoring wells FMW-1, FMW-3, FMW-5, and FMW-6, that shows the present extent of soils where contaminants exceed MTCA Method A cleanup levels are presented on Figures 8 and 9. Additional soil sampling has not been performed since cleanup actions were completed in 2018; reported soil concentrations on the figures pre-date remediation and subsequent groundwater monitoring.

An empirical demonstration of protection of groundwater is provided in Section 6.6. With the empirical demonstration complete and the soil-to-groundwater pathway eliminated, the applicable cleanup levels for the Site were updated to the generic MTCA Method B TPH soil cleanup level of 1,500 mg/kg for GRO and/or mixtures of GRO, DRO, and ORO (Ecology

2017) and MTCA Method B cleanup levels for direct contact[2]. All analytical results are less than the applicable cleanup levels (Table 1).

6.3 GROUNDWATER MONITORING

Additional groundwater samples were collected from wells FMW-5 and FMW-6 in January 2023. No analytes were reported at concentrations exceeding MTCA Method A cleanup levels in either sample. The sampling event took place approximately 2 years after removal of the treatment socks in monitoring wells FMW-4 and FMW-5, which concluded the cleanup action. The analytical results indicate that residual GRO concentrations in groundwater have continued to decrease; no rebound was observed.

On April 10, 2023, Ecology agreed in an email communication that post-treatment data for FMW-5 confirmed a stable and decreasing trend for GRO in groundwater and that additional groundwater monitoring of FMW-5 is not needed. The new data were uploaded into the Ecology Environmental Information Management system (EIM) and are pending Ecology's response as of January 26, 2024. A time-series plot of GRO concentrations in FMW-5, including labeling of chemical treatment events and comparison with the MTCA Method A cleanup level, is presented in Chart 1.

6.4 GROUNDWATER CONTAMINATION EXTENT

Cleanup actions have remediated groundwater contamination to concentrations less than MTCA Method A cleanup levels throughout the Site. As such, there is no extent of groundwater contamination to be depicted in updated maps and the hydrogeologic cross section.

6.5 EVALUATION OF THE VAPOR INTRUSION EXPOSURE PATHWAY

Groundwater monitoring indicates that GRO and BTEX were reported non-detect at the laboratory PQL for all monitoring wells except FMW-5 in the 2023 monitoring event. GRO was detected at a concentration of 180 µg/L in the groundwater sample collected from monitoring well FMW-5. Ecology's VI Guidance states where benzene and TPH are detected, sites with concentrations of benzene less than 5,000 µg/L and TPH less than 30,000 µg/L require at least 6 feet of vertical separation to mitigate the vapor intrusion pathway. Depth to groundwater at monitoring well FMW-5 ranges from approximately 9 to a maximum of 11

[2] Default cancer value; non-cancer value used where no cancer value is available.

feet bgs. This distance of at least 9 feet between the groundwater and the slab exceeds the required interval for separation in the Ecology guidance. Additionally, monitoring well FMW-5 is located within the half of the Site used for ground-level parking, providing an additional at-grade air gap of approximately 12 feet between the ground surface and the occupied spaces above.

BTEX compounds were not detected at concentrations exceeding the default MTCA Method B Soil Vapor Intrusion screening level for a residential setting in the subslab soil gas sample collected from FSG-1 in the Wildwood Market. The combined results are sufficient to confirm that the vapor intrusion pathway to indoor air is incomplete across the entirety of the Site.

6.6 EMPIRICAL DEMONSTRATION EVALUATION

An empirical demonstration may be used to show that measured soil concentrations will not cause an exceedance of the applicable groundwater cleanup levels established under WAC 173-340-720. WAC 173-340-747(9) requires the following for an empirical demonstration:

- Site specific measured groundwater concentrations must be less than the applicable groundwater cleanup level.
- Sufficient time must be allowed to elapse for migration of hazardous substances from soil to groundwater to occur.
- The characteristics of the Site must be representative of future conditions (e.g., static groundwater conditions, cleanup actions completed).

Farallon has completed an empirical demonstration in accordance with the Ecology (2016) Implementation Memorandum No 15: *Frequently Asked Questions (FAQ's) Regarding Empirical Demonstrations and Related Issues* and WAC 173-340-720. The results of the analysis are provided below.

6.6.1 Groundwater

Soil samples with detectable concentrations of GRO and BTEX at the Site were collected from depths below the groundwater table at the Site and soils at this depth have remained saturated since the completion of the cleanup action in August 2019. The continuous saturation of impacted soil has allowed sufficient time since completion of the cleanup action for the migration of hazardous substances from soil to groundwater and/or for rebound of contamination in groundwater. Groundwater monitoring results from the January

2023 sampling event indicate groundwater concentrations remain stable and less than MTCA Method A cleanup levels.

Groundwater at the Site has fluctuated seasonally by approximately 1 vertical foot since 2020 but remained above the soil interval where TPH and BTEX were previously detected in soil. Because the release remains below the water table throughout the Site an evaluation of infiltration and/or percolation transport through unsaturated soil is not required.

Since the completion of the cleanup action with the removal of the ORC filter sock in February 2020, groundwater monitoring results for monitoring well FMW-4 and FMW-5 have reported GRO and BTEX as either non-detect at the laboratory PQL (FMW-4 all analytes, FMW-5 BTEX analytes) or less than the MTCA cleanup level (GRO, FMW-5 only). Evaluation of time-series data for GRO concentrations in groundwater at FMW-5 indicates a decreasing trend that remains less than the MTCA Method A cleanup level (Chart 1). Because monitoring wells FMW-4 and FMW-5 are in the source area where previous exceedances were identified, no additional evaluation of groundwater seepage velocity or travel time is necessary at either location.

Analytical results for both TPH and BTEX constituents in groundwater collected from monitoring well FMW-6 have been reported non-detect at the laboratory PQL since July 2018. Using a groundwater gradient of 0.23 foot per foot between monitoring wells FMW-4 and FMW-6 reported in January 2023, an estimated hydraulic conductivity of $1x10^{-4}$ centimeters per second for silty sand[3], and an effective porosity of 0.43[4], the estimated seepage velocity is 0.15 foot per day. Using the calculated seepage velocity described herein, the travel time from monitoring well FMW-5 to FMW-6, a distance of approximately 12.5 feet, is 83 days. Two years elapsed between removal of the ORC filter socks from monitoring well FMW-5 and the January 2023 sampling event. The reported period of time from the conclusion of the cleanup action to January 2023 is sufficient to empirically demonstrate that groundwater is protected throughout the Site.

6.6.2 Soil

With the empirical demonstration for protection of groundwater, residual concentrations of BTEX were compared to default MTCA Method B direct contact cleanup levels to evaluate

[3] The reported value is at the low end of the range for unconsolidated silty sand and is considered conservative since lower hydraulic conductivities result in longer travel times (Freeze and Cherry 1979).
[4] Per WAC 173-340-747(4)(e)(ii) and Ecology (2016) Implementation Memorandum No. 15.

the remaining direct contact exposure pathway. MTCA Method B non-cancer values were selected where MTCA Method B cancer values were not available. All reported BTEX values for soil from sampling events prior to the cleanup action are less than MTCA Method B cleanup levels for direct contact.

Pre-cleanup action concentrations of GRO in soil were compared to the generic 1,500-mg/kg direct-contact TPH cleanup level identified in Ecology's (2017) *Model Remedies for Sites with Petroleum Impacts to Groundwater* (Model Remedies Guidance). All soil samples with detectable concentrations of petroleum hydrocarbons were less than the generic MTCA Method B 1,500-mg/kg cleanup level for GRO and/or mixtures of GRO, DRO, and ORO; therefore, soil at the Site meets direct contact cleanup levels.

6.7 MODEL REMEDY AND NFA SUITABILITY

MTCA regulations specify that Ecology must identify the circumstances under which application of a model remedy meets the requirements for selection of cleanup action established under WAC 173-340-360. If a site meets the requirements for use of a model remedy, it is not necessary to conduct a Feasibility Study or Disproportionate Cost Analysis.

The Site meets the following criteria for Model Remedy 5 identified in Ecology's Model Remedies Guidance:

- Soil meets default Method B cleanup levels for direct contact.
- The generic MTCA Method B 1,500-mg/kg TPH cleanup level for GRO and/or GRO mixtures is appropriate.
- Groundwater meets Method A cleanup levels (where available) throughout the Site.
- No conditional point of compliance has been identified.
- Empirical demonstration was used to confirm residual concentrations of GRO are protective of groundwater.
- No institutional controls are required.

The Site does not require a Feasibility Study and Disproportionate Cost Analysis and is suitable for an NFA determination.

7.0 CONCLUSIONS

This report summarizes the groundwater monitoring, cleanup action, and compliance groundwater monitoring results for the Site at 9212 45th Ave Southwest in Seattle, Washington. The Site historically operated as a gasoline service station and automotive repair shop that used six on-Site USTs that were decommissioned and removed in 1989. Investigation of the Site indicated a localized release of GRO and benzene to soil and groundwater in the west-central portion of the Site.

A chemical oxidation and ORC injection program was developed and performed at the Site in 2018. Additional groundwater remediation included another 6 months of treatment with ORC filter socks to further biodegrade residual GRO in groundwater. Groundwater monitoring was performed between March and December 2020, and an additional groundwater monitoring event was performed in January 2023. GRO and/or BTEX were either reported non-detect at the laboratory PQL or detected at concentrations less than MTCA Method A cleanup levels for groundwater in samples collected during compliance groundwater monitoring between March 2020 and January 2023. GRO concentrations declined over time from 530 to 180 µg/L.

The compliance groundwater monitoring results provide empirical demonstration that the soil-to-groundwater pathway has been addressed. Analytical results for soil samples collected prior to the cleanup action were less than Ecology's generic MTCA Method B soil cleanup level of 1,500 mg/kg for GRO and/or GRO mixtures, confirming the human health direct contact pathway for soil has also been addressed. The building on the Site meets VI Guidance requirements for vertical separation from groundwater and subslab soil vapor sampling results confirm the exposure pathway from soil gas to indoor air is incomplete. A simplified TEE was conducted for the Site; all soil at the Site meets MTCA Method B cleanup levels for direct contact and has been empirically demonstrated to be protective of groundwater. Therefore, the total area of soil contamination at the Site is less than 350 square feet, and the simplified TEE may be ended under WAC 173-340-7492(2)(a) because it does not pose a significant threat of exposure.

The Site meets the criteria for Model Remedy 5 identified in Ecology's Model Remedies Guidance*;* soil meets Method B cleanup levels for non-TPH analytes and the 1,500-mg/kg generic Method B cleanup level for GRO and/or GRO mixtures; groundwater meets Method A cleanup levels; no conditional point of compliance is used; an empirical demonstration was

used to confirm groundwater is protected; no institutional controls are required on the property; no Feasibility Study and Disproportionate Cost Analysis is required and the Site is eligible for a Site-wide NFA.

8.0 REFERENCES

Farallon Consulting, L.L.C. (Farallon). 2015. Letter Regarding Limited Subsurface Investigation – Summary of Results, Endolyne Garden Apartments, 9212 45th Avenue Southwest, Seattle, Washington. From Thaddeus Cline and Clifford T. Schmitt. To Maureen Sanchez, Ecology. May 1.

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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 Endolyne Apartments, LLC, c/o Plus One Capital, LLC, and currently accepted industry standards. No other warranties, representations, or certifications are made.

9.2 LIMITATION ON RELIANCE BY THIRD PARTIES

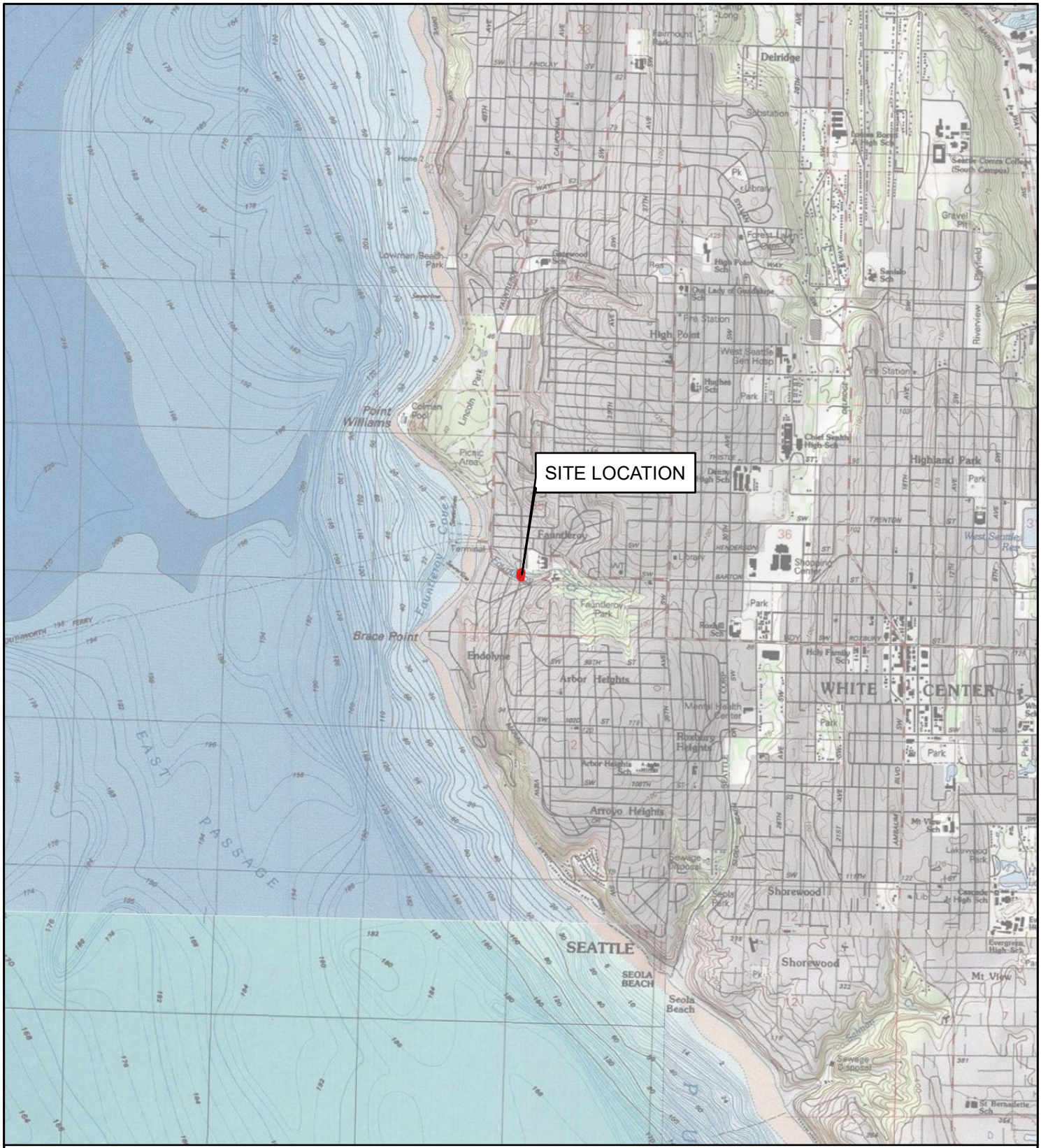
Reliance by third parties is prohibited. This report/assessment has been prepared for the exclusive use of Endolyne Apartments, LLC, c/o Plus One Capital, LLC to address the unique needs of Endolyne Apartments, LLC, c/o Plus One Capital, LLC at the Site at a specific point in time.

This is not a general grant of reliance. No one other than Endolyne Apartments, LLC, c/o Plus One Capital, 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 ACTION REPORT
Endolyne Garden Apartments
9212 45th Avenue Southwest
Seattle, Washington

Farallon PN: 1295-001



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0 3,000
SCALE IN FEET

N

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FIGURE 1

SITE VICINITY MAP
ENDOLYNE GARDEN APARTMENTS
9212 45th AVENUE SOUTHWEST
SEATTLE, WASHINGTON

FARALLON PN: 1295-001

Drawn By: TPerrin | Checked By: LN | Date: 5/4/2021

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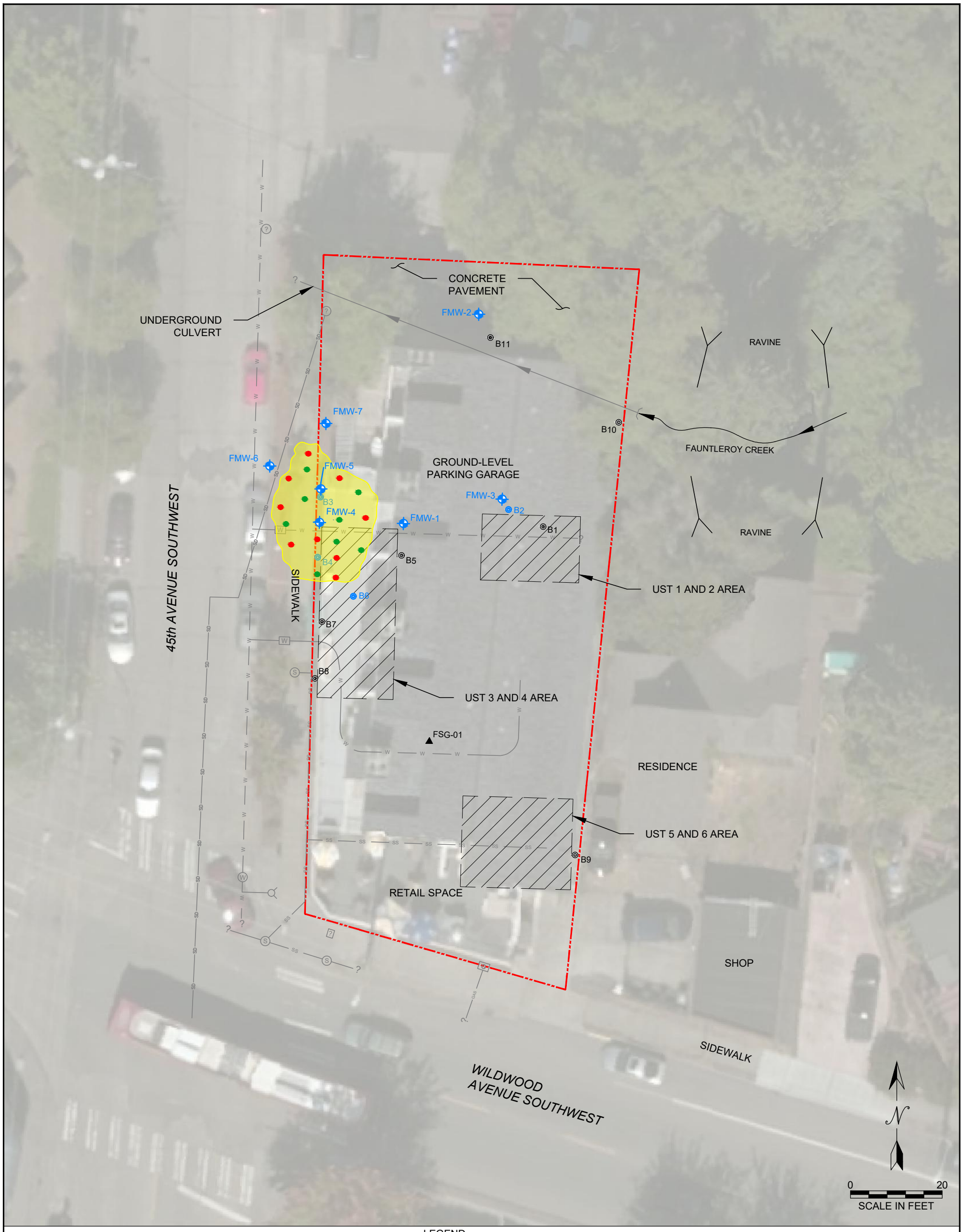

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER
- STORM DRAIN
- GAS LINE
- UTILITY LOCATION UNKNOWN
- WATER METER
- GAS METER
- HYDRANT
- WATER MANHOLE
- SANITARY SEWER MANHOLE
- UNKNOWN UTILITY VAULT OR MANHOLE

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

- FMW-1 MONITORING WELL LOCATION
- B3 BORING LOCATION WITH RECONNAISSANCE GROUNDWATER SAMPLE
- B1 SOIL BORING LOCATION
- FSG-01 DISCRETE SOIL GAS SAMPLE LOCATION
- JULY 2018 CHEMICAL OXIDANT INJECTION POINT
- AUGUST 2018 CHEMICAL OXIDANT INJECTION POINT
- 2018 CHEMICAL OXIDANT INJECTION TREATMENT AREA

- FORMER UNDERGROUND STORAGE TANK (UST)
- SLOPE ASPECT INDICATOR WITH "V" OPENING IN UPHILL DIRECTION

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

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FIGURE 2

SITE PLAN SHOWING CHEMICAL OXIDANT TREATMENT AREA
ENDOLYNE GARDEN APARTMENTS
9212 45TH AVENUE SOUTHWEST
SEATTLE, WASHINGTON

FARALLON PN: 1295-001

Drawn By: NM | Checked By: LN | Date: 2/29/2024 | Disk Reference: 1295-001.dwg

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LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER
- STORM DRAIN
- GAS LINE
- UTILITY LOCATION UNKNOWN
- WATER METER
- GAS METER
- HYDRANT
- WATER MANHOLE
- SANITARY SEWER MANHOLE
- UNKNOWN UTILITY VAULT OR MANHOLE

FMW-01 MONITORING WELL LOCATION

B3 BORING LOCATION WITH RECONNAISSANCE GROUNDWATER SAMPLE

B1 SOIL BORING LOCATION

(85.17) GROUNDWATER ELEVATION IN FEET

84.00 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

FORMER UNDERGROUND STORAGE TANK

SLOPE ASPECT INDICATOR WITH "V" OPENING IN UPHILL DIRECTION

0 20
SCALE IN FEET

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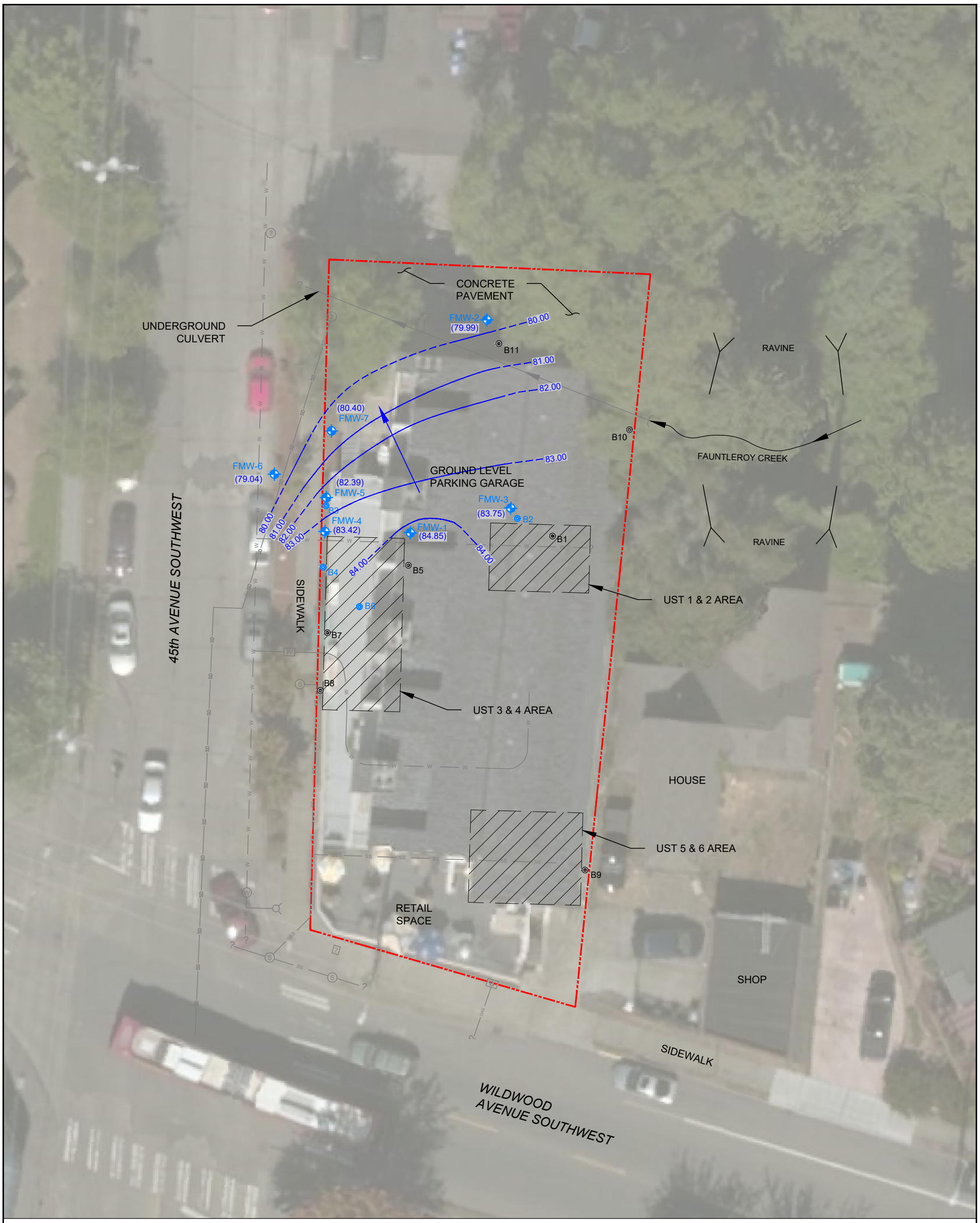
FIGURE 3

GROUNDWATER ELEVATION CONTOUR MAP
MARCH 25, 2020
ENDOLYNE GARDEN APARTMENTS
9212 45TH AVENUE SOUTHWEST
SEATTLE, WASHINGTON

FARALLON PN: 1295-001

Drawn By: JJ | Checked By: LN | Date: 8/17/2021 | Disk Reference: 1295-001.dwg



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER
- STORM DRAIN
- GAS LINE
- UTILITY LOCATION UNKNOWN
- WATER METER
- GAS METER
- HYDRANT
- WATER MANHOLE
- SANITARY SEWER MANHOLE
- UNKNOWN UTILITY VAULT OR MANHOLE

FMW-01 MONITORING WELL LOCATION

B3 BORING LOCATION WITH RECONNAISSANCE GROUNDWATER SAMPLE

B1 SOIL BORING LOCATION

(84.85) GROUNDWATER ELEVATION IN FEET

84.00 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

FORMER UNDERGROUND STORAGE TANK

SLOPE ASPECT INDICATOR WITH "V" OPENING IN UPHILL DIRECTION

0 20
SCALE IN FEET

ALL LOCATIONS ARE APPROXIMATE
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FIGURE 4

GROUNDWATER ELEVATION CONTOUR MAP
JUNE 22, 2020
ENDOLYNE GARDEN APARTMENTS
9212 45TH AVENUE SOUTHWEST
SEATTLE, WASHINGTON

FARALLON PN: 1295-001

Drawn By: JJ | Checked By: LN | Date: 8/17/2021 | Disk Reference: 1295-001.dwg

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER
- STORM DRAIN
- GAS LINE
- UTILITY LOCATION UNKNOWN
- WATER METER
- GAS METER
- HYDRANT
- WATER MANHOLE
- SANITARY SEWER MANHOLE
- UNKNOWN UTILITY VAULT OR MANHOLE

FMW-01 MONITORING WELL LOCATION

B3 BORING LOCATION WITH RECONNAISSANCE GROUNDWATER SAMPLE

B1 SOIL BORING LOCATION

(84.23) GROUNDWATER ELEVATION IN FEET

84.00 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

FORMER UNDERGROUND STORAGE TANK

SLOPE ASPECT INDICATOR WITH "V" OPENING IN UPHILL DIRECTION

0 20
SCALE IN FEET

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

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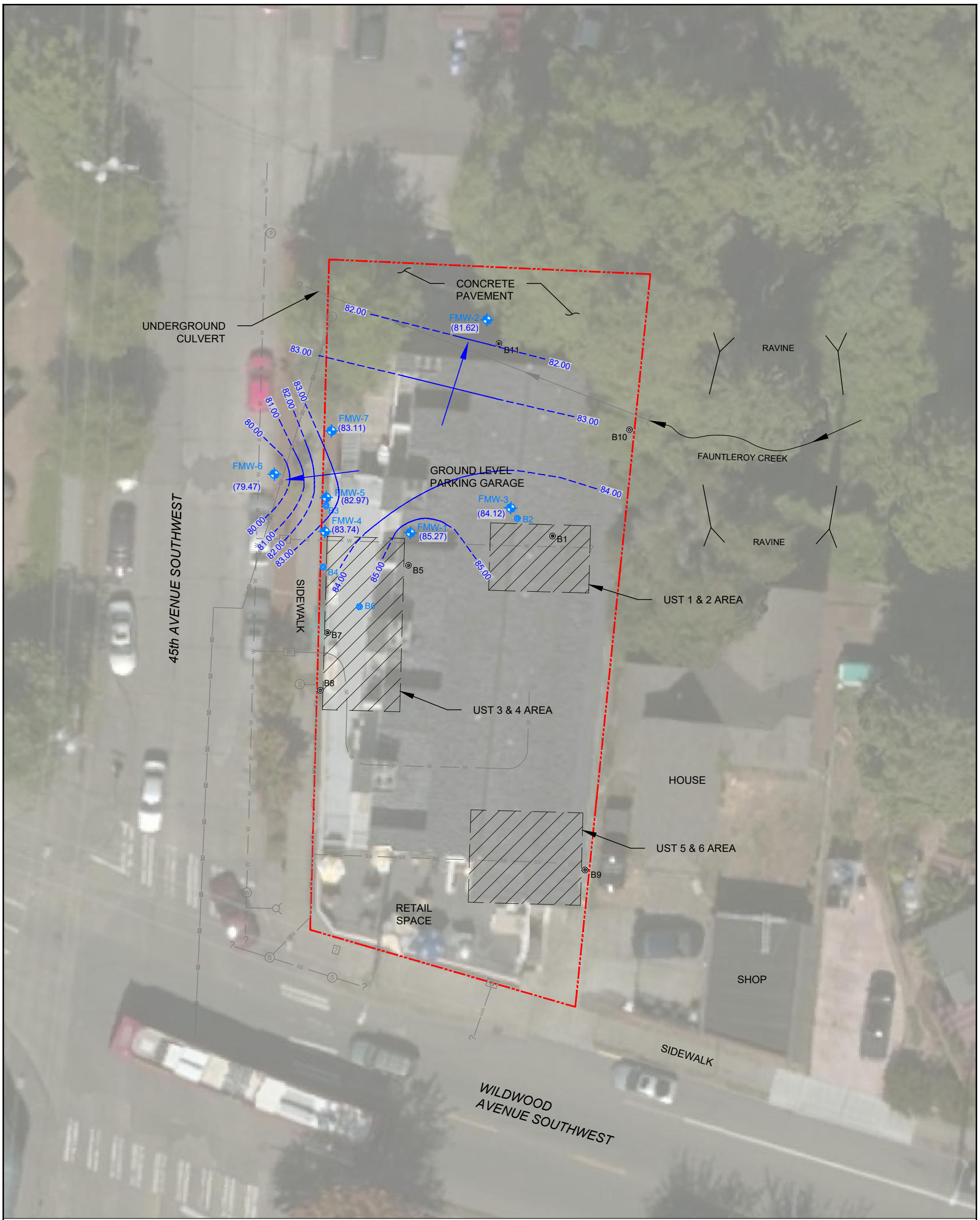
FIGURE 5

GROUNDWATER ELEVATION CONTOUR MAP
SEPTEMBER 30, 2020
ENDOLYNE GARDEN APARTMENTS
9212 45TH AVENUE SOUTHWEST
SEATTLE, WASHINGTON

FARALLON PN: 1295-001

Drawn By: JJ | Checked By: LN | Date: 8/17/2021 | Disk Reference: 1295-001.dwg



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER
- STORM DRAIN
- GAS LINE
- UTILITY LOCATION UNKNOWN
- WATER METER
- GAS METER
- HYDRANT
- WATER MANHOLE
- SANITARY SEWER MANHOLE
- UNKNOWN UTILITY VAULT OR MANHOLE

FMW-01 MONITORING WELL LOCATION

B3 BORING LOCATION WITH RECONNAISSANCE GROUNDWATER SAMPLE

B1 SOIL BORING LOCATION

(85.27) GROUNDWATER ELEVATION IN FEET

84.00 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

FORMER UNDERGROUND STORAGE TANK

SLOPE ASPECT INDICATOR WITH "V" OPENING IN UPHILL DIRECTION

0 20
SCALE IN FEET

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

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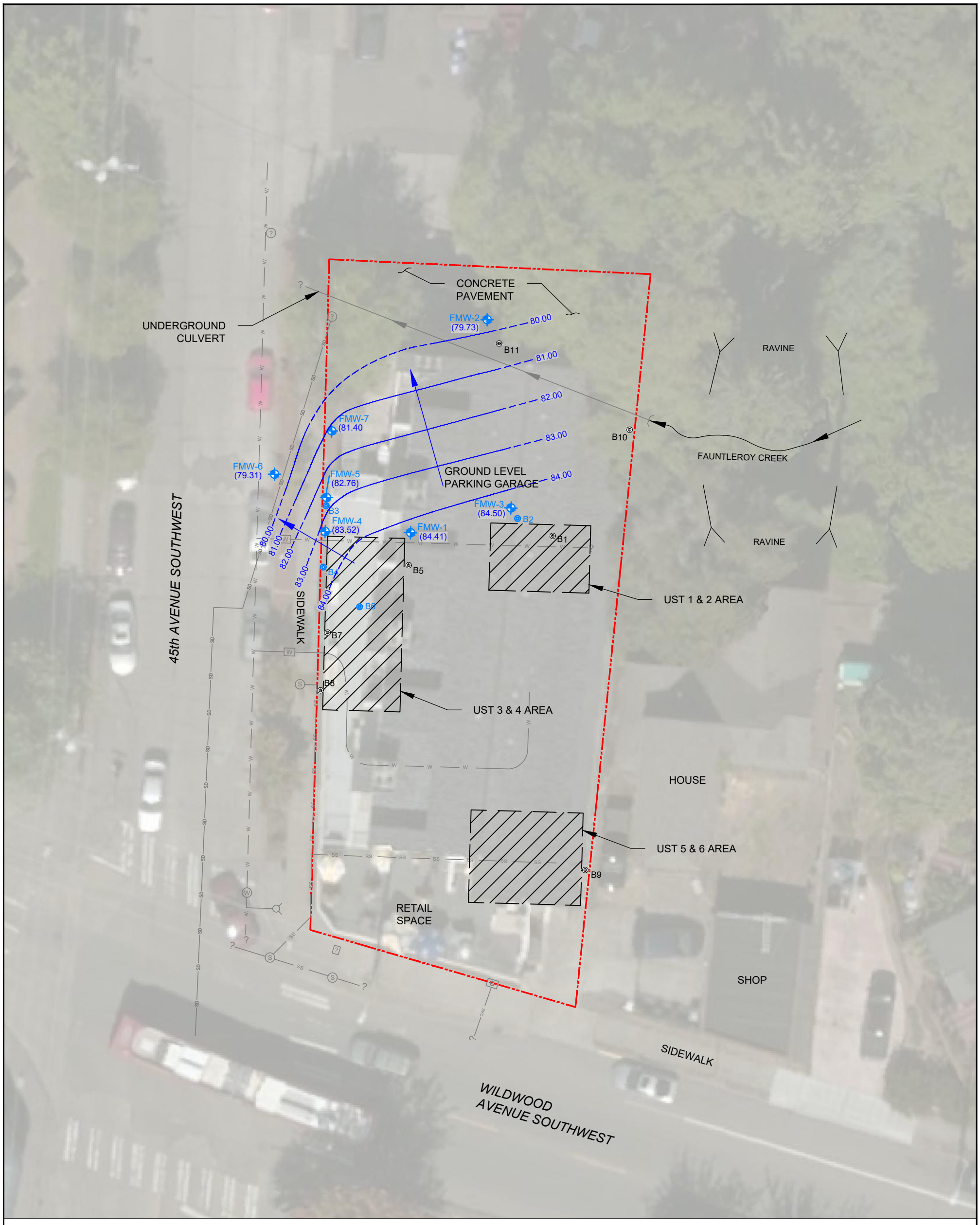
Oakland | Irvine

FIGURE 6

GROUNDWATER ELEVATION CONTOUR MAP
DECEMBER 15, 2020
ENDOLYNE GARDEN APARTMENTS
9212 45TH AVENUE SOUTHWEST
SEATTLE, WASHINGTON

FARALLON PN: 1295-001

Drawn By: JJ | Checked By: LN | Date: 8/17/2021 | Disk Reference: 1295-001.dwg



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER
- STORM DRAIN
- GAS LINE
- UTILITY LOCATION UNKNOWN
- WATER METER
- GAS METER
- HYDRANT
- WATER MANHOLE
- SANITARY SEWER MANHOLE
- UNKNOWN UTILITY VAULT OR MANHOLE

FMW-01 MONITORING WELL LOCATION

B3 BORING LOCATION WITH RECONNAISSANCE GROUNDWATER SAMPLE

B1 SOIL BORING LOCATION

SLOPE ASPECT INDICATOR WITH "V" OPENING IN UPHILL DIRECTION

(85.27) GROUNDWATER ELEVATION IN FEET

84.00 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

FORMER UNDERGROUND STORAGE TANK (UST)

0 20
SCALE IN FEET

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

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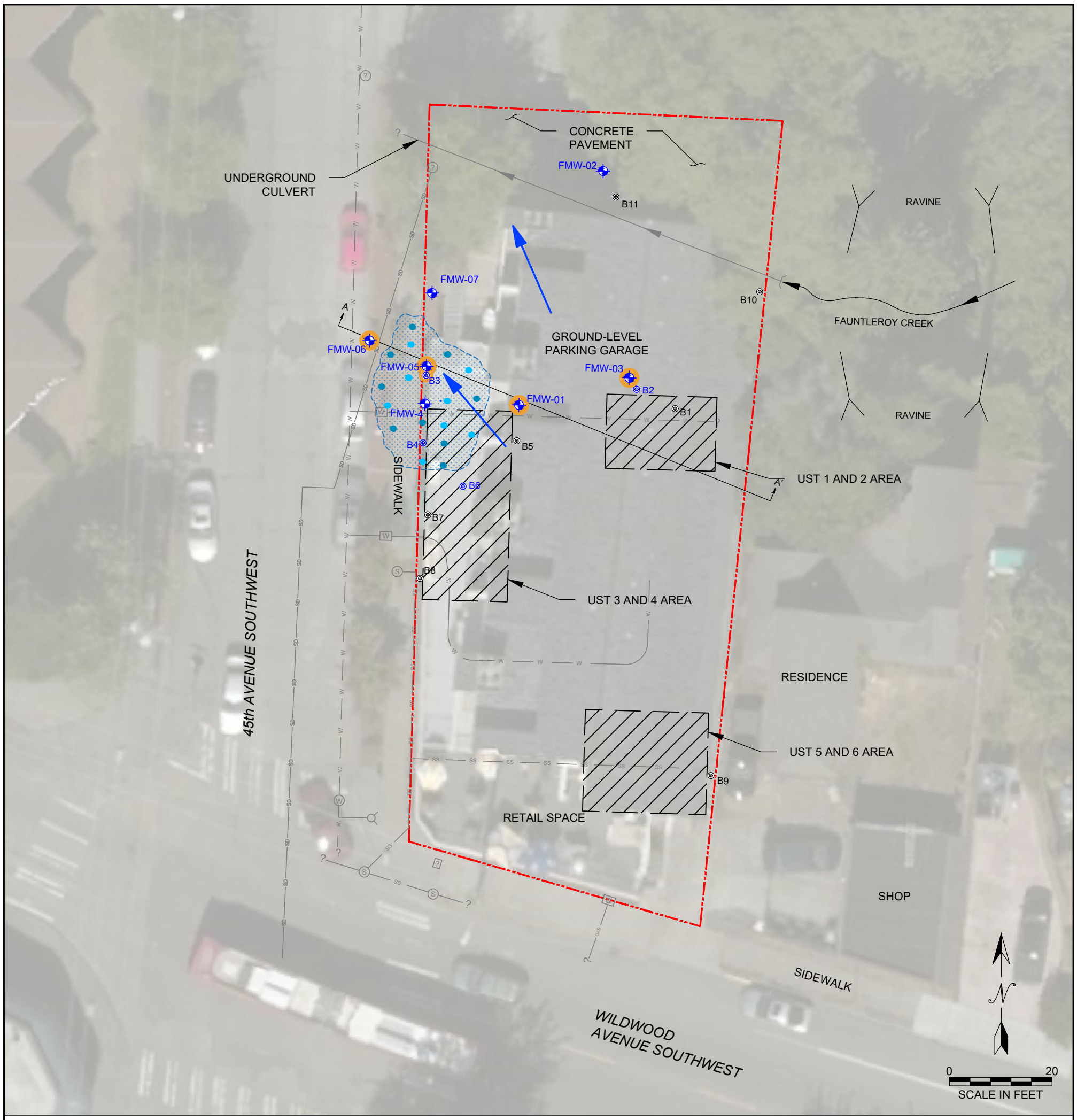
FIGURE 7

GROUNDWATER ELEVATION CONTOUR MAP
JANUARY 26, 2023
ENDOLYNE GARDEN APARTMENTS
9212 45TH AVENUE SOUTHWEST
SEATTLE, WASHINGTON

FARALLON PN: 1295-001

Drawn By: RB | Checked By: LN | Date: 1/22/2024 | Disk Reference: 1295-001.dwg



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER
- STORM DRAIN
- GAS LINE
- UTILITY LOCATION UNKNOWN
- WATER METER
- GAS METER
- HYDRANT
- WATER MANHOLE
- SANITARY SEWER MANHOLE
- UNKNOWN UTILITY VAULT OR MANHOLE
- FORMER UNDERGROUND STORAGE TANK (UST)
- SLOPE ASPECT INDICATOR WITH "V" OPENING IN UPHILL DIRECTION
- A — A' CROSS SECTION INDICATOR AND ORIENTATION
- APPROXIMATE GROUNDWATER FLOW DIRECTION JANUARY 2023

- FMW-1 MONITORING WELL LOCATION
- B3 BORING LOCATION WITH RECONNAISSANCE GROUNDWATER SAMPLE
- B1 SOIL BORING LOCATION
- JULY 2018 CHEMICAL OXIDANT INJECTION POINT
- AUGUST 2018 CHEMICAL OXIDANT INJECTION POINT
- 2018 CHEMICAL OXIDANT INJECTION TREATMENT AREA
- INDICATES ONE OR MORE DETECTIONS OF DRO, ORO, GRO, BENZENE, ETHYLBENZENE, TOLUENE, OR TOTAL XYLENES IN SOIL SAMPLE, BELOW CLEANUP LEVELS

EMPIRICAL DEMONSTRATION CONFIRMS PROTECTION OF GROUNDWATER

ALL SOIL ANALYTICAL RESULTS ARE LESS THAN MTCA METHOD B CLEANUP LEVELS FOR DIRECT CONTACT

ALL LOCATIONS ARE APPROXIMATE

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

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FIGURE 8

PLAN VIEW PROPERTY REPRESENTATION WITH SUMMARY SOIL ANALYTICAL RESULTS AND LINE OF CROSS SECTION

ENDOLYNE GARDEN APARTMENTS
9212 45TH AVENUE SOUTHWEST
SEATTLE, WASHINGTON

FARALLON PN: 1295-001

Drawn By: NM | Checked By: LN | Date: 8/17/2021 | Disk Reference: 1295-001_RevA.dwg

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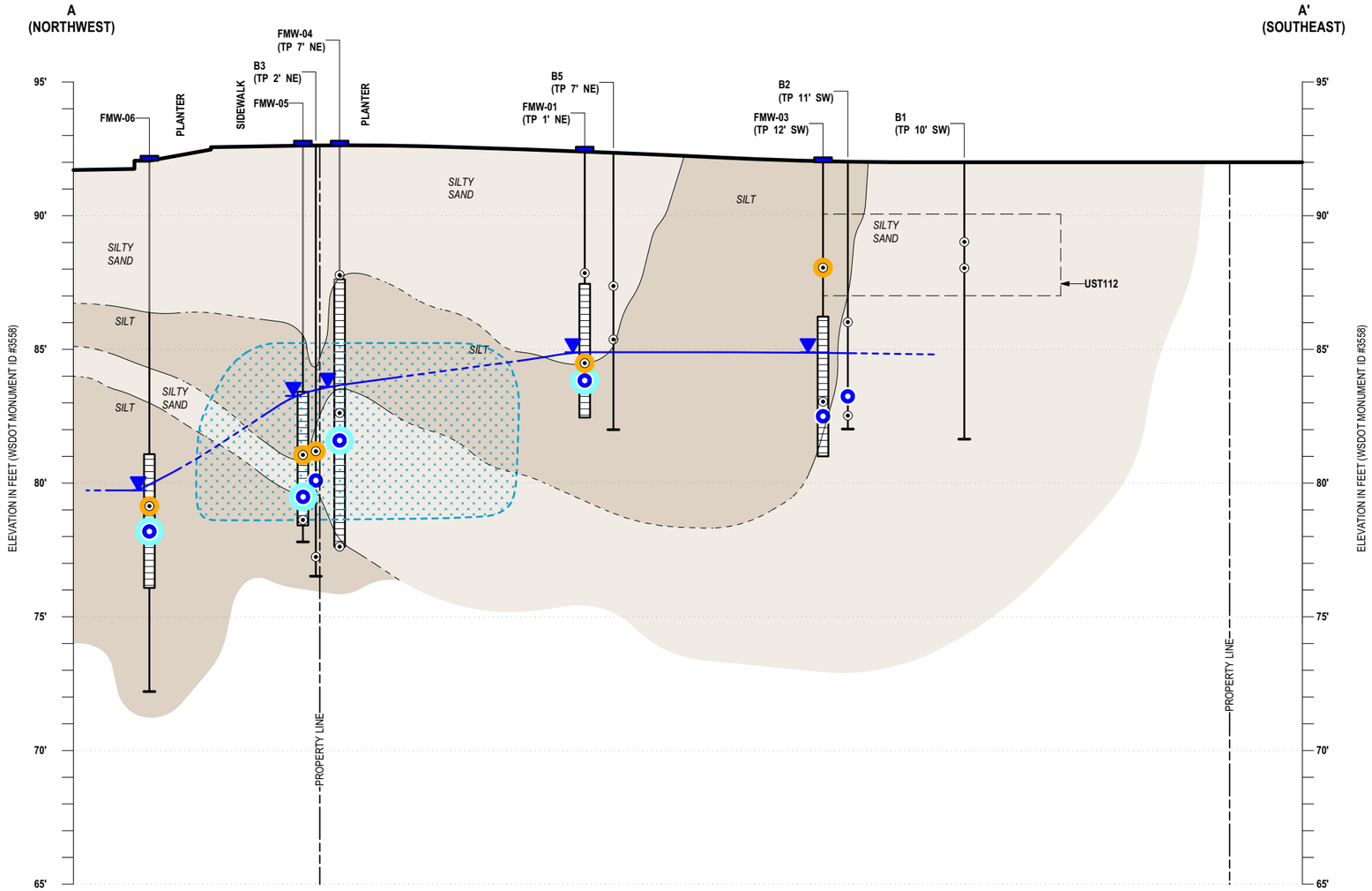

LEGEND

FMW-05 — WELL/BORING ID
WELL MONUMENT
SOIL SAMPLE LOCATION
STRATIGRAPHIC CONTACT (DASHED WHERE INFERRED)
SCREEN INTERVAL
GROUNDWATER SAMPLE LOCATION
WATER LEVEL INDICATOR
APPROXIMATE GROUNDWATER LEVEL (DASHED WHERE INFERRED)

INDICATES ONE OR MORE DETECTIONS OF DRO, ORO, GRO, BENZENE, ETHYLBENZENE, TOLUENE, OR TOTAL XYLENES IN SOIL SAMPLE, BELOW CLEANUP LEVELS

INDICATES ONE OR MORE DETECTIONS OF GRO AND/OR BENZENE AT CONCENTRATIONS LESS THAN THE MTCA METHOD A GROUNDWATER CLEANUP LEVEL.

2018 CHEMICAL OXIDANT INJECTION TREATMENT AREA

GRO TPH AS GASOLINE-RANGE ORGANICS

MTCA-A MODEL TOXICS CONTROL ACT (METHOD A)

SOIL ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM (mg/kg)

DETECTABLE CONCENTRATIONS SHOWN AS **BOLD BLACK** TEXT WITH A PALE YELLOW BACKGROUND

VERTICAL SCALE: 1" = 5' (2X EXAGGERATION)
0 5
HORIZONTAL SCALE: 1" = 10'
0 10

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FIGURE 9
CROSS SECTION A-A' WITH SOIL ANALYTICAL RESULTS

ENDOLYNE APARTMENTS
9212 45TH AVE SW
SEATTLE, WASHINGTON

FARALLON PN: 1295-001

Drawn By: vbachmann | Checked By: BP | Date: 1/22/2024
Disc Reference: R:\Projects\1295-001\CAD\Cross Sections\1295-001_Fig 09_XS_A-A'.vwx

TABLES

REMEDIAL ACTION REPORT
Endolyne Garden Apartments
9212 45th Avenue Southwest
Seattle, Washington

Farallon PN: 1295-001

Table 1
Laboratory Analytical Results for Soil Samples – TPH and BTEX
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	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]	Total Xylenes[4,7]
B1	B1-3.0	3.0	1/26/2015	< 28	< 56	—	—	—	—	—
	B1-4.0	4.0	1/26/2015	< 30	< 59	—	—	—	—	—
B2	B2-6.0	6.0	1/26/2015	< 33	< 66	—	—	—	—	—
	B2-9.5	9.5	1/26/2015	< 29	< 58	—	—	—	—	—
B3	B3-11.5	11.5	1/26/2015	—	—	63	< 0.020	< 0.070	0.12	0.13
	B3-15.5	15.5	1/26/2015	—	—	< 7.0	< 0.020	< 0.070	< 0.070	<0.07
B4	B4-9.5	9.5	1/26/2015	—	—	< 7.0	< 0.020	< 0.070	< 0.070	<0.07
	B4-12.0	12.0	1/26/2015	—	—	< 6.1	< 0.020	< 0.061	< 0.061	<0.061
B5	B5-5.0	5.0	1/26/2015	—	—	< 5.6	< 0.020	< 0.056	< 0.056	<0.056
	B5-7.0	7.0	1/26/2015	—	—	< 5.4	< 0.020	< 0.054	< 0.054	<0.054
B6	B6-2.5	2.5	1/27/2015	—	—	<5.0	< 0.020	< 0.050	< 0.050	<0.050
	B6-8.5	8.5	1/27/2015	—	—	< 6.2	< 0.020	< 0.062	< 0.062	<0.062
	B6-11.5	11.5	1/27/2015	—	—	< 5.7	< 0.020	< 0.057	< 0.057	<0.057
B7	B7-5.0	5.0	1/27/2015	—	—	< 6.4	< 0.020	< 0.064	< 0.064	<0.064
	B7-8.0	8.0	1/27/2015	—	—	< 6.8	< 0.020	< 0.068	< 0.068	<0.068
B8	B8-5.5	5.5	1/27/2015	—	—	< 6.3	< 0.020	< 0.063	< 0.063	<0.063
B9	B9-5.0	5.0	1/27/2015	—	—	< 6.6	< 0.020	< 0.066	< 0.066	<0.066
	B9-7.5	7.5	1/27/2015	—	—	< 6.6	< 0.020	< 0.066	< 0.066	<0.066
B10	B10-1.5	1.5	1/26/2015	< 30	< 60	—	—	—	—	—
B11	B11-11.0	11.0	1/26/2015	< 30	310	< 6.0	< 0.020	< 0.060	< 0.060	< 0.060
MTCA Method A Cleanup Levels for Soil[5]				**2,000**	**2,000**	**30/100 [6]**	**0.03**	**7**	**6**	**9**
MTCA Method B Cleanup Levels for Soil[8,9]				**1,500**	**1,500**	**1,500**	**18**	**6,400**	**8,000**	**16,000**

Table 1
Laboratory Analytical Results for Soil Samples – TPH and BTEX
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	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]	Total Xylenes[4,7]
FMW-01	MW1-4.5-030816	4.5	3/8/2016	—	—	< 7.0	< 0.020	< 0.070	< 0.070	< 0.070
	MW1-8.5-030816	8.5	3/8/2016	—	—	10	< 0.020	< 0.063	< 0.063	< 0.063
FMW-02	MW2-8.3-030816	8.3	3/8/2016	< 31	260	< 6.4	< 0.020	< 0.064	< 0.064	< 0.064
	MW2-14.0-030816	14.0	3/8/2016	< 29	< 58	< 5.8	< 0.020	< 0.058	< 0.058	< 0.058
FMW-03	MW3-4.0-030816	4.0	3/8/2016	< 170	1,200	—	—	—	—	---
	MW3-9.0-030816	9.0	3/8/2016	< 30	< 61	< 7.1	< 0.020	< 0.071	< 0.071	< 0.071
FMW-04	FMW4-5.0	5.0	8/3/2016	—	—	< 6.5	< 0.020	< 0.065	< 0.065	< 0.130
	FMW4-10.0	10.0	8/3/2016	—	—	< 5.8	< 0.020	< 0.058	< 0.058	< 0.116
	FMW4-15.0	15.0	8/3/2016	—	—	< 7.3	< 0.020	< 0.073	< 0.073	< 0.146
FMW-05	FMW5-11.5	11.5	10/10/2017	—	—	130	0.043	< 0.15	< 0.75	0.45
	FMW5-14.0	14.0	10/10/2017	—	—	< 14	< 0.028	< 0.14	< 0.14	< 0.28
FMW-06	FMW6-13.0	13.0	10/10/2017	—	—	93	0.036	< 0.11	0.24	0.32
FMW-07	FMW7-9.0	9.0	4/10/2018	—	—	< 7.5	< 0.020	< 0.075	< 0.075	< 0.150
MTCA Method A Cleanup Levels for Soil[5]				**2,000**	**2,000**	**30/100 [6]**	**0.03**	**7**	**6**	**9**
MTCA Method B Cleanup Levels for Soil[8,9]				**1,500**	**1,500**	**1,500**	**18**	**6,400**	**8,000**	**16,000**

NOTES:

Red cells denote applicable soil cleanup level following 2019 cleanup action.

Results shaded in mint green detected at a concentration greater than the laboratory practical quantitation limit.

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

-- denotes sample was not analyzed.

BTEX = benzene, toluene, ethylbenzene, and xylenes

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

GRO = TPH as gasoline-range organics

ORO = TPH as oil-range organics

[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.

[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 amended 2013.

[6] The MTCA Method A cleanup level for GRO in soil is 100 milligrams per kilogram for gasoline mixtures without benzene, and the total of ethylbenzene, toluene, and xylenes are less than 1 percent of the gasoline mixture. For all other mixtures, the MTCA Method A cleanup level for GRO in soil is 30 milligrams per kilogram.

[7]Ortho-xylene and meta/para-xylene summed for total xylenes as follows: If both detected concentrations, they are summed; if one detected and one non-detected concentration, the detected concentration reported and indicated as a detect.

[8]1,500 mg/kg generic cleanup level for TPH mixtures where GRO is present identified in Ecology Model Remedies for Sites with Petroleum Contaminated Soils (No. 16-09-057). Sum of DRO, ORO, and GRO or total

[9]Default MTCA Method B cancer value for benzene, non-cancer value for toluene, ethylbenzene, and total xylenes published in Ecology's Cleanup Levels and Risk Calculation tables, August 2023.

Table 2
Laboratory Analytical Results for Soil Samples – EDB, EDC, MTBE, and Naphthalene
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)			
				1,2-Dibromoethane (EDB)[2]	1,2-Dichloroethane (EDC)[2]	Methyl tertiary butyl ether (MTBE)[2]	Naphthalene[3]
B1	B1-4.0	4.0	01/26/2015	< 0.0011	< 0.0011	—	< 0.0079
B2	B2-6.0	6.0	01/26/2015	< 0.0013	< 0.0013	—	< 0.0087
B3	B3-11.5	11.5	01/26/2015	< 0.0031	< 0.0031	< 0.0031	—
B7	B7-8.0	8.0	01/27/2015	< 0.0013	< 0.0013	< 0.0013	—
B9	B9-7.5	7.5	01/27/2015	< 0.0010	< 0.0010	< 0.0010	—
MTCA Method A Cleanup Levels for Soil[4]				**0.005**	**11[5]**	**0.1**	**5**

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

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

— denotes sample not analyzed.

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 8260C.

[3]Analyzed by U.S. Environmental Protection Agency Method 8270D/SIM.

[4]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.

[5]Washington State Department of Ecology Cleanup Levels and Risk Calculations under the Washington State Model Toxics Control Act Cleanup Regulation, Version 3.1 Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only), https://fortress.wa.gov/ecy/clarc/CLARCDataTables.aspx

Table 3
Laboratory Analytical Results for Soil Samples – Lead
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]
				Total Lead
B3	B3-11.5	11.5	1/26/2015	< 6.2
B7	B7-8.0	8.0	1/27/2015	6.4
B9	B9-7.5	7.5	1/27/2015	< 6.0
FMW-04	FMW4-10.0	10.0	8/3/2016	< 5.7
FMW-05	FMW5-11.5	11.5	10/10/2017	15
FMW-07	FMW7-9.0	9.0	4/10/2018	6.8
MTCA Method A Cleanup Levels for Soil[3]				**250**

NOTES:

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

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 6010C or 6010D.

[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 4
Laboratory Analytical Results for Soil Samples – cPAHs
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]							
				Benzo(a) Anthracene	Benzo(a) Pyrene	Benzo(b) Fluoranthene	Benzo(j,k) Fluoranthene	Chrysene	Dibenzo(a,h) Anthracene	Indeno(1,2,3-cd) Pyrene	Total cPAHs[3, 4]
B1	B1-4.0	4.0	01/26/2015	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	0.006
B2	B2-6.0	6.0	01/26/2015	< 0.0087	< 0.0087	< 0.0087	< 0.0087	< 0.0087	< 0.0087	< 0.0087	0.007
Cleanups Level for Soil				**1.37[5]**	**0.1[6]**	**1.37[5]**	**13.7[5]**	**137[5]**	**0.137[5]**	**1.37[5]**	**0.1[6]**

NOTES:
Results in **bold** denote concentrations exceeding applicable cleanup levels.
< denotes analyte not detected at or exceeding the laboratory practical quantitation limit listed.
cPAH = carcinogenic polycyclic aromatic hydrocarbon
[1]Depth in feet below ground surface.
[2]Analyzed by U.S.. Environmental Protection Agency 8270D/SIM (low-level).
[3]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.
[4]For concentrations reported at less than the laboratory reporting limit, half the reporting limit was used to calculate total cPAHs.
[5]Washington State Department of Ecology Cleanup Levels and Risk Calculations under the Washington State Model Toxics Control Act Cleanup Regulation (MTCA), Version 3.1 Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only), https://fortress.wa.gov/ecy/clarc/CLARCDataTables.aspx
[6]Washington State Model Toxics Control Act Cleanup Regulation 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 5
Laboratory Analytical Results for Soil Samples – PCBs
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Identification	Sample Location	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]							
				Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs[3]
B1	B1-4.0	4.0	01/27/15	< 0.059	< 0.060	< 0.061	< 0.062	< 0.063	< 0.064	< 0.059	0.25
B2	B2-6.0	6.0	01/24/15	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	0.23
MTCA Method A Cleanup Levels for Soil[4]				**14.3[5]**	**NE**	**NE**	**NE**	**NE**	**0.5[5]**	**0.5[5]**	**1**

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

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

NE = not established

PCBs = polychlorinated biphenyls

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 8082A.

[3]For concentrations reported at less than the laboratory reporting limit, half the reporting limit was used to calculate the total polychlorinated biphenyls.

[4]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 amended 2013.

[5]Washington State Department of Ecology Cleanup Levels and Risk Calculations under the Washington State Model Toxics Control Act Cleanup Regulation, Version 3.1 Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only), https://fortress.wa.gov/ecy/clarc/CLARCDataTables.aspx

Table 6
Laboratory Analytical Results for Soil Samples – HVOCs
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2,5]				
				Tetrachloroethene (PCE)	Trichloroethene (TCE)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
B1	B1-4.0	4.0	01/26/2015	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
B2	B2-6.0	6.0	01/26/2015	0.0030	< 0.0013	< 0.0013	< 0.0013	< 0.0013
Cleanup Levels for Soil				**0.05**[3]	**0.03**[3]	**160**[4]	**1,600**[4]	**240**[4]

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

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

HVOCs = halogenated volatile organic compounds

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 8260C.

[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 Department of Ecology Cleanup Levels and Risk Calculations under the Washington State Model Toxics Control Act Cleanup Regulation, Version 3.1 Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only), https://fortress.wa.gov/ecy/clarc/CLARCDataTables.aspx

[5]Other HVOC constituents tested. See laboratory reports for these results.

Table 7
Groundwater Elevations
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Location	Well Head Elevation (feet)[1]	Well Screen Depth Interval (feet)[2]	Date Measured	Well Depth (feet)[3]	Depth to Water (feet)[3]	Groundwater Elevation (feet)[1]
FMW-01	91.87	5-10	3/15/2016	9.40	6.60	85.27
			8/10/2016	9.37	7.86	84.01
			11/15/2016	9.39	6.61	85.26
			2/23/2017	9.40	6.62	85.25
			5/18/2017	9.40	7.13	84.74
			10/19/2017	9.40	8.22	83.65
			4/18/2018	9.40	6.92	84.95
			7/23/2018	9.40	7.80	84.07
			9/4/2018	9.40	8.22	83.65
			12/11/2018	9.40	7.36	84.51
			3/29/2019	9.40	7.08	84.79
			6/18/2019	9.40	7.45	84.42
			3/25/2020	9.40	6.70	85.17
			6/22/2020	9.40	7.02	84.85
			9/30/2020	9.40	7.64	84.23
			12/15/2020	NM	6.60	85.27
			1/26/2023	9.41	7.46	84.41

Table 7
Groundwater Elevations
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Location	Well Head Elevation (feet)[1]	Well Screen Depth Interval (feet)[2]	Date Measured	Well Depth (feet)[3]	Depth to Water (feet)[3]	Groundwater Elevation (feet)[1]
FMW-02	91.60	5-15	3/15/2016	14.90	8.31	83.29
			8/10/2016	14.84	13.38	78.22
			11/15/2016	14.82	6.91	84.69
			2/23/2017	14.82	9.80	81.80
			5/18/2017	14.81	10.80	80.80
			10/19/2017	14.82	9.28	82.32
			4/18/2018	14.82	9.43	82.17
			7/23/2018	14.82	13.97	77.63
			9/4/2018	14.81	14.64	76.96
			12/11/2018	14.81	10.35	81.25
			3/29/2019	14.80	12.39	79.21
			6/18/2019	14.80	13.29	78.31
			3/25/2020	14.80	10.70	80.90
			6/22/2020	14.80	11.61	79.99
			9/30/2020	14.80	12.82	78.78
			12/15/2020	NM	9.98	81.62
			1/26/2023	14.80	11.87	79.73

Table 7
Groundwater Elevations
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Location	Well Head Elevation (feet)[1]	Well Screen Depth Interval (feet)[2]	Date Measured	Well Depth (feet)[3]	Depth to Water (feet)[3]	Groundwater Elevation (feet)[1]
FMW-03	91.65	6-11	3/15/2016	10.40	6.92	84.73
			8/10/2016	10.32	8.21	83.44
			11/15/2016	10.34	6.89	84.76
			2/23/2017	10.35	7.04	84.61
			5/18/2017	10.35	7.67	83.98
			10/19/2017	10.35	8.41	83.24
			4/18/2018	10.35	7.30	84.35
			7/23/2018	10.35	8.30	83.35
			9/4/2018	10.35	8.61	83.04
			12/11/2018	10.35	7.86	83.79
			3/29/2019	10.34	7.82	83.83
			6/18/2019	10.34	8.12	83.53
			3/25/2020	10.34	7.37	84.28
			6/22/2020	10.34	7.90	83.75
			9/30/2020	9.90	7.85	83.80
			12/15/2020	NM	7.53	84.12
			1/26/2023	10.36	7.15	84.50

Table 7
Groundwater Elevations
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Location	Well Head Elevation (feet)[1]	Well Screen Depth Interval (feet)[2]	Date Measured	Well Depth (feet)[3]	Depth to Water (feet)[3]	Groundwater Elevation (feet)[1]
FMW-04	92.47	5-15	8/10/2016	14.85	10.71	81.76
			11/15/2016	14.82	8.85	83.62
			2/23/2017	14.85	8.73	83.74
			5/18/2017	14.85	9.16	83.31
			10/19/2017	14.85	10.90	81.57
			4/18/2018	14.85	8.99	83.48
			7/23/2018	14.85	10.24	82.23
			9/4/2018	14.90	10.86	81.61
			12/11/2018	14.88	9.81	82.66
			3/29/2019	14.87	8.90	83.57
			6/18/2019	14.87	9.56	82.91
			3/25/2020	14.87	8.86	83.61
			6/22/2020	14.87	9.05	83.42
			9/30/2020	14.80	9.65	82.82
			12/15/2020	NM	8.73	83.74
			1/26/2023	14.83	8.95	83.52

Table 7
Groundwater Elevations
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Location	Well Head Elevation (feet)[1]	Well Screen Depth Interval (feet)[2]	Date Measured	Well Depth (feet)[3]	Depth to Water (feet)[3]	Groundwater Elevation (feet)[1]
FMW-05	92.15	9-14	10/19/2017	13.10	11.30	80.85
			4/18/2018	13.10	9.36	82.79
			7/23/2018	13.10	10.71	81.44
			9/4/2018	13.08	10.94	81.21
			12/11/2018	13.05	9.96	82.19
			3/29/2019	13.05	9.58	82.57
			6/18/2019	13.05	10.31	81.84
			3/25/2020	13.05	9.60	82.55
			6/22/2020	13.05	9.76	82.39
			9/30/2020	13.05	10.25	81.90
			12/15/2020	NM	9.18	82.97
			1/26/2023	13.07	9.39	82.76

Table 7
Groundwater Elevations
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Location	Well Head Elevation (feet)[1]	Well Screen Depth Interval (feet)[2]	Date Measured	Well Depth (feet)[3]	Depth to Water (feet)[3]	Groundwater Elevation (feet)[1]
FMW-06	91.66	11-16	10/19/2017	15.52	13.30	78.36
			4/18/2018	15.52	11.55	80.11
			7/23/2018	15.52	12.61	79.05
			9/4/2018	15.55	13.06	78.60
			12/11/2018	15.53	12.78	78.88
			3/29/2019	15.51	12.59	79.07
			6/18/2019	15.51	12.94	78.72
			3/25/2020	15.51	12.48	79.18
			6/22/2020	15.51	12.62	79.04
			9/30/2020	15.50	13.08	78.58
			12/15/2020	NM	12.19	79.47
			1/26/2023	16.54	12.35	79.31

Table 7
Groundwater Elevations
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Location	Well Head Elevation (feet)[1]	Well Screen Depth Interval (feet)[2]	Date Measured	Well Depth (feet)[3]	Depth to Water (feet)[3]	Groundwater Elevation (feet)[1]
FMW-07	91.85	9-14	4/18/2018	14.10	10.28	81.57
			7/23/2018	14.10	13.70	78.15
			9/4/2018	14.05	Well Dry	Well Dry
			12/11/2018	14.05	9.52	82.33
			3/29/2019	14.02	11.00	80.85
			6/18/2019	14.02	13.00	78.85
			3/25/2020	14.02	10.76	81.09
			6/22/2020	14.02	11.45	80.40
			9/30/2020	13.90	12.64	79.21
			12/15/2020	NM	8.74	83.11
			1/26/2023	14.06	10.45	81.40

NOTES:
[1] Elevations based on Washington State Department of Transportation Monument No. 3558 with a published elevation of 41.71 feet.
[2] In feet below ground surface.
[3] In feet below top of well casing.

NM = not measured

Table 8
Laboratory Analytical Results for Groundwater Samples – TPH and BTEX
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)						
			DRO[1]	ORO[1]	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Total Xylenes[3]
FMW-1	3/15/2016	MW-1-031516	< 280	< 450	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	8/10/2016	FMW-01-081016	—	—	150	< 1.0	< 1.0	< 1.0	< 2.0
	11/15/2016	FMW-1-111516	—	—	110	< 1.0	< 1.0	< 1.0	< 2.0
	2/23/2017	FMW-1-022317	—	—	210	< 1.0	< 1.0	< 1.0	< 2.0
	5/18/2017	FMW-1-051817	—	—	150	< 1.0	< 1.0	< 1.0	< 2.0
	10/19/2017	FMW-1-101917	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	7/23/2018	FMW-1-072318	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	9/4/2018	FMW-1-090418	—	—	150	< 1.0	< 1.0	< 1.0	< 2.0
	12/11/2018	FMW-1-121118	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	3/29/2019	FMW-1-032919	—	—	270 Z	< 1.0	< 1.0	< 1.0	< 2.0
	6/22/2020	FMW-1-062220	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	9/30/2020	FMW-1-093020	---	---	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	12/18/2020	FMW-1-121820	---	---	< 100	< 1.0	< 1.0	< 1.0	< 2.0
FMW-2	3/15/2016	MW-2-031516	< 260	< 420	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	8/11/2016	FMW-02-081116	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	11/15/2016	FMW-2-111516	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	2/23/2017	FMW-2-022317	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	5/18/2017	FMW-2-051817	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	10/19/2017	FMW-2-101917	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	12/11/2018	FMW-2-121118	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	3/29/2019	FMW-2-032919	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	6/22/2020	FMW-2-062220	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	12/18/2020	FMW-2-121820	---	---	< 100	< 1.0	< 1.0	< 1.0	< 2.0
FMW-3	3/15/2016	MW-3-031516	< 260	< 410	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	8/10/2016	FMW-03-081016	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	11/15/2016	FMW-3-111516	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	2/23/2017	FMW-3-022317	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	5/18/2017	FMW-3-051817	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	10/19/2017	FMW-3-101917	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	7/23/2018	FMW-3-072318	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	12/11/2018	FMW-3-121118	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	3/29/2019	FMW-3-032919	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	6/22/2020	FMW-3-062220	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	9/30/2020	FMW-3-093020	---	---	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	12/18/2020	FMW-3-121820	---	---	< 100	< 1.0	< 1.0	< 1.0	< 2.0
MTCA Method A Cleanup Level for Groundwater[4]			**500**	**500**	**800/1,000 [5]**	**5**	**1,000**	**700**	**1,000**
MTCA Method B Vapor Intrusion Screening Level[6]			**NE**	**NE**	**NE**	**2.4**	**15,000**	**2,800**	**320**

Table 8
Laboratory Analytical Results for Groundwater Samples – TPH and BTEX
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)						
			DRO[1]	ORO[1]	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Total Xylenes[3]
FMW-4	8/10/2016	FMW-04-081016	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	11/15/2016	FMW-4-111516	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	2/23/2017	FMW-4-022317	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	5/18/2017	FMW-4-051817	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	10/19/2017	FMW-4-101917	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	7/23/2018	FMW-4-072318	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	9/4/2018	FMW-4-090418	—	—	220	< 1.0	< 1.0	< 1.0	< 2.0
	12/11/2018	FMW-4-121118	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	3/29/2019	FMW-4-032919	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	6/22/2020	FMW-4-062220	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	9/30/2020	FMW-4-093020	---	---	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	12/18/2020	FMW-4-121820	---	---	< 100	< 1.0	< 1.0	< 1.0	< 2.0
FMW-5	10/19/2017	FMW-5-101917	—	—	**4,100**	< 4.0	< 4.0	6.6	17.9
	7/23/2018	FMW-5-072318	—	—	**1,100**	1.6	< 1.0	< 1.0	< 2.0
	9/4/2018	FMW-5-090418	—	—	**1,200**	< 1.0	< 1.0	2.4	2.1
	12/11/2018	FMW-5-121118	—	—	**1,500**	< 1.0	< 1.0	3.4	3.0
	3/29/2019	FMW-5-032919	—	—	**1,100**	< 4.0	< 4.0	< 4.0	< 8.0
	6/18/2019	FMW-5-061819	—	—	**890**	< 1.0	< 1.0	< 1.0	< 2.0
	3/25/2020	FMW-5-032520	—	—	530	< 1.0	< 1.0	< 1.0	< 2.0
	6/22/2020	FMW-5-062220	—	—	750	< 1.0	< 1.0	< 1.0	< 2.0
	9/30/2020	FMW-5-093020	---	---	350	< 1.0	< 1.0	< 1.0	< 2.0
	12/18/2020	FMW-5-121820	---	---	540	< 1.0	< 1.0	< 1.0	< 2.0
	1/26/2023	FMW-5-012623	---	---	180	< 1.0	< 1.0	< 1.0	< 2.0
FMW-6	10/19/2017	FMW-6-101917	—	—	130	< 1.0	< 1.0	< 1.0	< 2.0
	7/23/2018	FMW-6-072318	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	9/4/2018	FMW-6-090418	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	12/11/2018	FMW-6-121118	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	3/29/2019	FMW-6-032919	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	6/18/2019	FMW-6-061819	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	3/25/2020	FMW-6-032520	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	6/22/2020	FMW-6-062220	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	9/30/2020	FMW-6-093020	---	---	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	12/18/2020	FMW-6-121820	---	---	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	1/26/2023	FMW-6-012623	---	---	< 100	< 1.0	< 1.0	< 1.0	< 2.0
MTCA Method A Cleanup Level for Groundwater[4]			**500**	**500**	**800/1,000 [5]**	**5**	**1,000**	**700**	**1,000**
MTCA Method B Vapor Intrusion Screening Level[6]			**NE**	**NE**	**NE**	**2.4**	**15,000**	**2,800**	**320**

Table 8
Laboratory Analytical Results for Groundwater Samples – TPH and BTEX
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)						
			DRO[1]	ORO[1]	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Total Xylenes[3]
FMW-07	4/18/2018	FMW-7-041818	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	12/11/2018	FMW-7-121118	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	3/29/2019	FMW-7-032919	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	6/18/2019	FMW-7-061819	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	3/25/2020	FMW-7-032520	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	6/22/2020	FMW-7-062220	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	9/30/2020	FMW-7-093020	---	---	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	12/18/2020	FMW-7-121820	---	---	< 100	< 1.0	< 1.0	< 1.0	< 2.0
MTCA Method A Cleanup Level for Groundwater[4]			**500**	**500**	**800/1,000 [5]**	**5**	**1,000**	**700**	**1,000**
MTCA Method B Vapor Intrusion Screening Level[6]			**NE**	**NE**	**NE**	**2.4**	**15,000**	**2,800**	**320**

NOTES:

Rows highlighted in goldenrod indicate sampling events following 2019 cleanup action completion.

Results in **bold** denote concentrations exceeding applicable cleanup levels.

< denotes analyte not detected at or exceeding the laboratory practical quantitation 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 (EPA) Method 8021B.

BTEX = benzene, toluene, ethylbenzene, and xylenes

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

GRO = TPH as gasoline-range organics

NE = not established

ORO = TPH as oil-range organics

Z = The sample chromatogram is similar to mineral spirits

[4]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.

[5]For detectable benzene in groundwater. If benzene is not detected in groundwater, the MTCA Method A cleanup level for GRO in groundwater is 1,000 micrograms per liter.

[6]Washington State CLARC MTCA Method B Standard Formula Value - Groundwater Screening Level for Vapor Intrusion Pathway, lowest of cancer or non-cancer values, from CLARC Master Spreadsheet, https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC

Table 9
Laboratory Analytical Results for Groundwater Samples – Lead
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]	
			Total Lead	Dissolved Lead
FMW-01	3/15/2016	MW-1-031516	**23**	1.4
	8/11/2016	FMW-01-081116	**49**	---
	11/15/2016	FMW-1-111516	**26**	< 1.0
	2/23/2017	FMW-1-022317	**17**	< 1.0
	5/18/2017	FMW-1-051817	**42**	< 1.0
	10/19/2017	FMW-1-101917	6.2	< 1.0
	7/23/2018	FMW-1-072318	6.3	< 1.0
FMW-02	3/15/2016	MW-2-031516	2.7	< 1.0
	11/15/2016	FMW-2-111516	9.1	< 1.0
	2/23/2017	FMW-2-022317	**84**	< 1.0
	5/18/2017	FMW-2-051817	14	< 1.0
	10/19/2017	FMW-2-101917	6.2	< 1.0
FMW-03	3/15/2016	MW-3-031516	< 1.0	< 1.0
	8/10/2016	FMW-03-081016	< 1.1	---
	11/15/2016	FMW-3-111516	< 1.1	< 1.0
	2/23/2017	FMW-3-022317	3.5	< 1.0
	5/18/2017	FMW-3-051817	**56**	< 1.0
	10/19/2017	FMW-3-101917	4.6	< 1.0
	7/23/2018	FMW-3-072318	1.8	< 1.0
FMW-04	8/10/2016	FMW-04-081016	< 1.1	---
	11/15/2016	FMW-4-111516	< 1.1	< 1.0
	2/23/2017	FMW-4-022317	< 1.1	< 1.0
	5/18/2017	FMW-4-051817	1.9	< 1.0
	10/19/2017	FMW-4-101917	< 1.1	< 1.0
FMW-05	10/19/2017	FMW-5-101917	4.9	3.5
FMW-06	10/19/2017	FMW-6-101917	< 1.1	< 1.0
FMW-07	4/18/2018	FMW-7-041818	< 1.1	< 1.0
MTCA Method A Cleanup Level for Groundwater[2]			**15**	
MTCA Method B Vapor Intrusion Screening Level[3]			**NE**	

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

NE = not established

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

— denotes sample not analyzed.

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

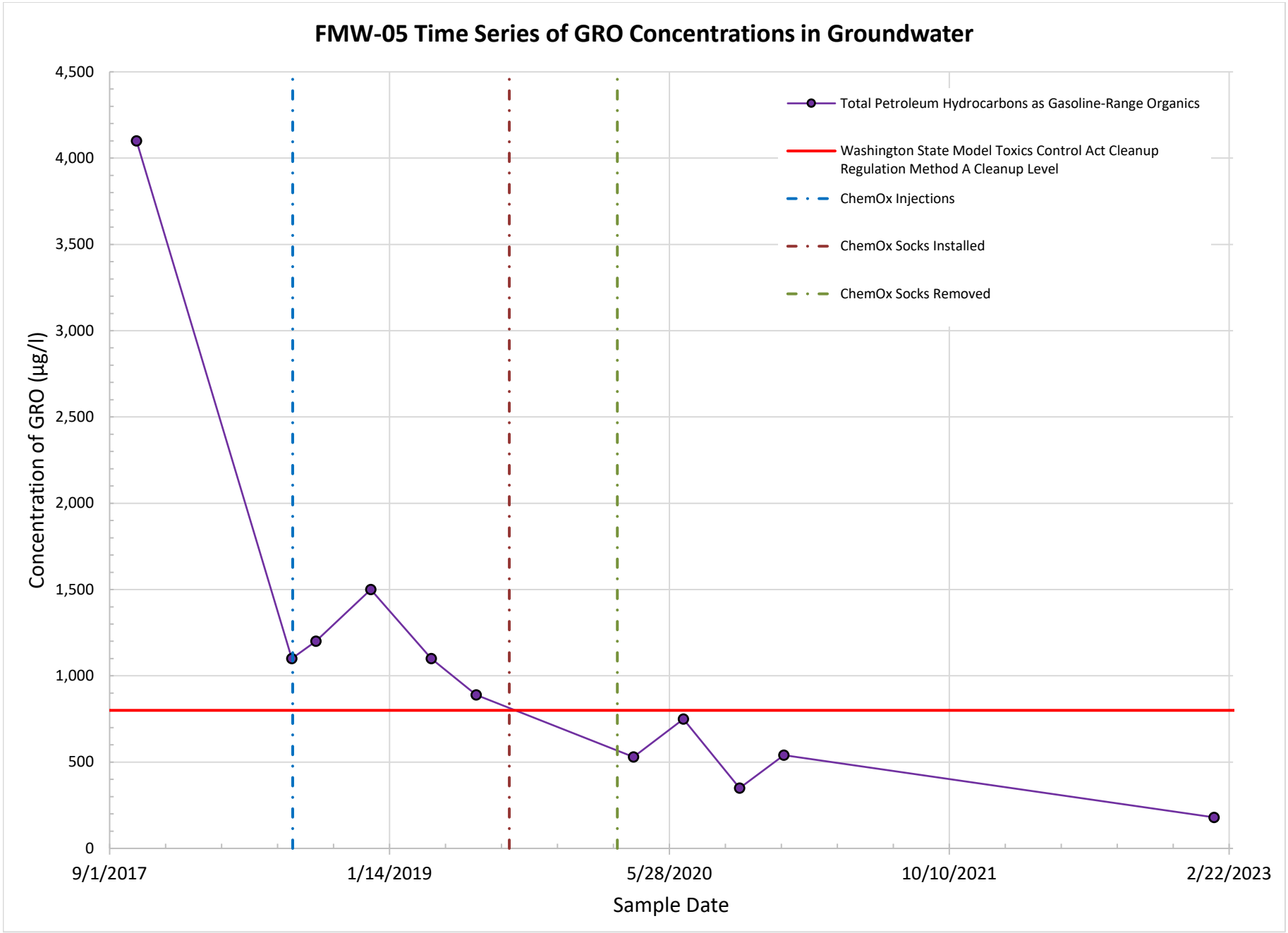
[2]Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Cleanup Levels for Groundwater, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013.

[3]Washington State CLARC MTCA Method B Standard Formula Value - Groundwater Screening Level for Vapor Intrusion Pathway, lowest of cancer or non-cancer values, from CLARC Master Spreadsheet, https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC

CHART

REMEDIAL ACTION REPORT
Endolyne Garden Apartments
9212 45th Avenue Southwest
Seattle, Washington

Farallon PN: 1295-001


FMW-05 Time Series of GRO Concentrations in Groundwater
Concentration of GRO (µg/l)
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
9/1/2017
1/14/2019
5/28/2020
10/10/2021
2/22/2023
Sample Date
Total Petroleum Hydrocarbons as Gasoline-Range Organics
Washington State Model Toxics Control Act Cleanup Regulation Method A Cleanup Level
ChemOx Injections
ChemOx Socks Installed
ChemOx Socks Removed

APPENDIX A
PREVIOUS SITE DOCUMENTATION

REMEDIAL ACTION REPORT
Endolyne Garden Apartments
9212 45th Avenue Southwest
Seattle, Washington

Farallon PN: 1295-001

Forty-fifth Ave SW Apartments
Seattle
VCP NW 2809

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GEOTECH CONSULTANTS

13256 N.E. 20th St. (Northup Way), Suite 16
Bellevue, WA 98005
(206) 747-5618
(206) 343-7959

September 5, 1989

JN 88199

Department of Construction and Land Use
600 4th Avenue
Seattle, Washington 98104

Attention: Ms. Faith Lumsden
Land Use Specialist

Subject: Removal of Underground Storage Tanks
14 - Unit Apartment Building
9212 45th Avenue S.W.
Permit No. 645073
Seattle, Washington

Dear Ms. Lumsden:

We are submitting this letter in response to your request for documentation in regard to the removal of underground storage tanks at the subject site. It is our understanding that all work has been stopped at the site by the Department of Construction and Land Use (DCLU). The purpose of this letter and the attached laboratory results is to provide you with acceptable documentation of the chemical testing related to the removed tanks, and the actions taken to remediate any soil contaminated at concentrations above the current Washington State Department of Ecology (WDOE) guidelines for underground storage tank removal.

A total of six underground storage tanks were encountered and removed over a period of about two months during construction activities at the site. The following actions were taken to remove the tanks and remediate any contaminated soil:

* Two oil storage tanks were removed from the northern portion of the site. Table A presents the results of the analyses performed on soil samples taken from the sidewalls and bottom of the tank excavations. As the results suggest, soil around the western-most tank contained total petroleum hydrocarbons (TPH) at concentrations above the current WDOE standard of 200 parts per million (ppm). As noted in Table A, the residual concentrations of petroleum hydrocarbons in the soil near the eastern-most tank of this group were well below the 200ppm guideline.

* In order to comply with the current WDOE guidelines, approximately five cubic yards of contaminated soil was removed from the western-most tank excavation and disposed of at the Cedar Hills landfill. As indicated by the results in Table B, the concentrations of petroleum hydrocarbons remaining in the excavation following removal of the contaminated soil were well below the 200ppm guideline.

* Two gasoline storage tanks were excavated and removed from the western portion of the subject site. The results of the analyses conducted in association with removal of these tanks are presented in Table C and illustrate that the benzene, toluene, ethylbenzene, and total xylene (BTEX) levels were below the current WDOE guidelines for these compounds.

* Two additional gasoline storage tanks were removed from the southern portion of the site. The results of the analyses conducted in association with these tanks are presented in Table D. These results also illustrate that the BTEX concentrations were below those prescribed by the WDOE.

Based on the information developed thus far, it is our professional opinion that following the excavation and removal of the six tanks, and the soil remediation documented in this letter, conditions of the remaining soil in the vicinity of the removed tanks are compliant with prevailing guidelines of the WDOE. We trust that this letter and the attached laboratory results present adequate documentation so that the stop work order may be lifted from construction activities at the subject site.

Limitations

This letter has been prepared for specific application to this project in a manner consistent with that level of care and skill normally exercised by members of the environmental science profession currently practicing under similar conditions in the area. This letter is for the exclusive use of Seattle Department of Construction and Land Use, Washington Department of Ecology, General Pacific Construction, and their representatives. No other warranty, either expressed or implied, is made. If new information is developed in future site work which may include

excavations, borings, studies, etc., Geotech Consultants, Inc. should be allowed to reevaluate the conclusions of this letter and to provide amendments as required.

If you have any questions regarding this letter please do not hesitiate to contact us.

Respectfully submitted,

GEOTECH CONSULTANTS, INC.

Marc R. McGinnis
Environmental Engineer

cc: Joe Hickey, Washington State Department of Ecology

Attachments

TABLE A

Sample Location	Total Petroleum Hydrocarbons (ppm)
Western-most Tank (Oil)	
-Bottom of excavation	1,150
-West wall of excavation	890
Eastern-most Tank (Oil)	
-Bottom of excavation	<5
-South wall of excavation	94

NOTES:
(1) Analytical Methodology: EPA Method 418.1
(2) 200ppm maximum allowable under current WDOE guidelines

TABLE B

Sample Location	Total Petroleum Hydrocarbons (ppm)
Western-most Tank (Oil) -Bottom of excavation following removal of contaminated soil	<5

NOTES:
(1) Analytical Methodology: EPA Method 418.1
(2) 200ppm maximum allowable under current WDOE guidelines

TABLE C

Sample Location	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Total Xylene (ppb)
Fill soil above tanks	<1	100	1,300	12,900
Soil between the ends of the tanks	<1	<50	40	2,800
East wall of the excavation	<1	<1	<1	<1
Excavated soil	<1	<1	<1	<1

NOTES:
(1) Analytical Methodology: EPA Method 8020
(2) Maximum concentrations in soil per current WDOE guidelines:
benzene - 660 parts per billion (ppb)
toluene - 143,000ppb
ethylbenzene - 14,000ppb
no current guidelines for total xylene

TABLE D

Sample Location	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Total Xylene (ppb)
Eastern-most Tank (bottom of tank excavation)	<1	<1	<1	<1
Western-most Tank (bottom of tank excavation) of excavation	<1	<1	<1	6

NOTES:
(1) Analytical Methodology: EPA Method 8020
(2) Maximum concentrations in soil per current WDOE guidelines:
benzene - 660ppb
toluene - 143,000ppb
ethylbenzene - 14,000ppb
no current guidelines for total xylene

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December 5, 1989

JN 88199

Fauntleroy Associates
c/o General Pacific Constructors, Inc.
P.O. Box 13056
Seattle, Washington 98114

Attn: Mr. Leon Cohen

Subject: CLOSURE REPORT; Underground Storage Tanks
14-Unit Apartment Building
9212-45th Avenue Southwest
Seattle, Washington

Gentlemen:

In response to your request, the Environmental Services Division of Geotech Consultants, Inc. has completed field observation, documentation, and laboratory analyses associated with formal "closure" of the underground storage tanks (USTs) at the subject site. This activity was initiated to satisfy regulatory requirements imposed under 40 CFR, part 280.72 pertaining to site assessment at the time of closure. This report summarizes our approach to the project along with laboratory results and our tentative conclusions.

METHODOLOGY/SCOPE OF WORK

On several occasions between July 17 and August 18, 1989 an environmental engineer/hydrogeologist from Geotech Consultants, Inc., was present at the subject site to document the removal of six USTs.

Prior to each removal, the tank was conditioned in a manner consistent with guidelines offered for such work in API Recommended Practice 1604 (Removal and Disposal of Underground Petroleum Storage Tanks), and API Publication 2015. A representative of the Seattle Fire Department was present immediately prior to each tank removal to verify that any flammable vapors present in the UST had been inerted. The excavation and tank removal was performed using a large trackhoe under subcontract to General Pacific Constructors. Northwest Enviroservice, Inc. inerted the tanks and disposed of them off-site.

Objectives for our site visits included:

(1) Documentation of the condition of the USTs along along with soil appearance in the tank excavation.

(2) Sampling of soil for subsequent laboratory analysis.

Soil Sampling

Soil samples were taken from the sides and the bottom of each tank excavation. The samples were immediately placed in sterilized glass jars with teflon sealed lids furnished by the project laboratory. All samples were stored in an ice chest at the site and taken to the lab in this condition in an effort to preserve sample integrity by minimizing excessive dissipation of volatile fraction hydrocarbons. Each jar was clearly labeled as to sampling location, time of sampling, sampling person, project number, etc. EPA recommended protocol for sample management including maintenance of chain of custody documentation was observed during the course of the project.

Laboratory Analysis

The following laboratory test methods were used for analysis of selected samples:

Tank Contents	Analytical Methodology
Oil	IR EPA Method 418.1 for Total Petroleum Hydrocarbons
Gasoline	GC-PID EPA Method 8020 for benzene, toluene, ethylbenzene, and xylene (BTEX)

These analytical methods provided a basis for comparison of site conditions at the time of tank closure to the allowable residual hydrocarbon concentrations at UST sites published in current Washington Department of Ecology guidelines. The detection sensitivity for EPA Methods 418.1 and 8020 on soil samples are on the order of 5 parts per million (ppm) and 1 part per billion (ppb), respectively.

RESULTS OF CLOSURE INVESTIGATION

General Discussion

The site is located immediately northeast of the intersection of Southwest Wildwood Place and 45th Avenue Southwest in

Seattle, Washington. The property was previously occupied by a gasoline service station.

Our understanding of the subsurface soil conditions at the site is based on our observations during tank removal and the results of a previous geotechnical engineering study reported by Geotech Consultants Inc., on July 8, 1988. The soils on the southern half of the site are characterized by native silty sands. The soils on the northern half of the site are silty sand and silt fill soils that were placed some time ago to fill a ravine that crossed the property.

Observations During Tank Removal

A total of six USTs were removed from the site over a period of about one month. The approximate locations of the removed tanks are illustrated on the Tank Location Plan, Plate 1, which is appended to this report. The following table presents the general characteristics of the removed tanks:

Tank	Previous Contents	Date of Removal	Estimated Capacity (gallons)
1	Oil	7/17/89	150
2	Oil	7/17/89	330
3	Gasoline	7/19/89	5,000
4	Gasoline	7/19/89	5,000
5	Gasoline	8/18/89	1,000
6	Gasoline	8/18/89	1,000

All of the removed USTs were steel walled and cylindrical in shape. Tanks 1 through 4 were in good condition at the time of removal. A thorough review of these tanks revealed some corrosion on the outside of the tanks, but no holes, defects, or leaks of any kind. Our personnel were not present to observe the removal of tanks 5 and 6. From discussions with Northwest Enviroservice's representative we learned that these tanks were older than the previous four tanks and were rusted through in several locations. It is our understanding that no liquid was present in the tanks at the time they were interted.

During the excavation and removal of Tanks 1 and 2, no discoloration was observed in the soil. Photographs were

made of the excavation to document this observation. No hydrocarbon vapors were detected during the tank removal activity in either the excavated material or in the walls of the excavation.

Some soil discoloration was observed during the excavation and removal of Tanks 3 and 4. Hydrocarbon vapors were detected in the backfill surrounding Tanks 3 through 6. The remediation of the affected soil surrounding Tanks 3 through 6 is described in the following sub-section. No groundwater was observed at the time of tank removal.

Analysis Results and Soil Remediation

As noted earlier, samples were obtained from the sidewalls and bottom of each tank excavation. Laboratory analyses were conducted on select representative samples from those obtained. The following table provides a summary of the laboratory results for soil samples recovered during the removal of Tanks 1 and 2:

ANALYTICAL RESULTS - TOTAL PETROLEUM HYDROCARBONS
(Tanks 1 and 2 Immediately Following Tank Removal)

Sample Location	Hydrocarbon Concentration (ppm)
Tank 1 - Bottom of Excavation	<5
Tank 1 - South Excavation Wall	94
Tank 2 - Bottom of Excavation	1,150
Tank 2 - West Excavation Wall	890

NOTES:

(1) Analytical Methodology: EPA Method 418.1 using infrared spectrophotometry (IR)
(2) Maximum residual concentration of 200 ppm in soil permitted under current WDOE guidelines

As the above results suggest, soil around Tank 2 contained petroleum hydrocarbons at concentrations above the current Washington State Department of Ecology (WDOE) standard of 200 ppm. The residual petroleum hydrocarbon concentrations in the soil near Tank 1 were well below the 200 ppm guideline.

Following correspondance with the Seattle - King County Department of Public Health, a permit was obtained to allow the disposal of 3 to 5 cubic yards of petroleum contaminated soil from the Tank 2 excavation. Approximately 5 cubic yards of soil composed of the excavated tank bankfill and the affected soil removed from the bottom and sides of the existing excavation were disposed of at the Cedar Hills landfill. Soil samples taken from the Tank 2 excavation following removal of the affected soil revealed petroleum hydrocarbon concentrations of less than 5 ppm. The methodology for this laboratory analysis was also EPA Method 418.1.

As previously discussed, detectable petroleum vapors emanated from the soils excavated during removal of Tanks 3 through 6. As the tanks were known to have been used to store gasoline, the contaminated soils were removed from the excavation and remediated through aeration. The soil was placed on an impervious sheet of plastic and surrounded with soil berms to minimize the risk of contaminating the surrounding soil. The soil bed was frequently tilled to accelerate the rate of dissipation of the volatile hydrocarbons. The following table presents the results of the laboratory analyses for the four storage tank excavations:

ANALYTICAL RESULTS - BTEX
(Excavation of Tanks 3 Through 6)

Sample Location	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Total Xylene (ppb)
TANKS 3 AND 4 (Prior to Soil Aeration):				
Tank 3-Fill soil above the tank	<1	100	1,300	12,900
Soil between the ends of the tanks	<1	<50	40	2,800
Tank 4-East wall of excavation	<1	<1	<1	<1
Tank 4-Fill soil around the tank	<1	<1	<1	<1
TANKS 5 AND 6 (Following Removal of Soil for Aeration):				
Tank 5-Bottom of excavation	<1	<1	<1	6
Tank 6-Bottom of excavation	<1	<1	<1	<1

ANALYTICAL RESULTS - BTEX (continued)

NOTES:

(1) Analytical Methodology: EPA Method 8020 using gas chromatography (GC-PID)
(2) Maximum residual concentrations permitted in soil per current WDOE guidelines:
benzene - 660ppb
toluene - 143,000ppb
ethylbenzene - 14,000ppb
total xylene - no current guideline

As the results presented above suggest, the BTEX concentrations in the soil surrounding Tanks 3 and 4 were below the current WDOE guidelines prior to their on-site aeration. Also, the BTEX concentrations in the residual soils following excavation and removal of Tanks 5 and 6 were well below the current WDOE guidelines for those compounds.

CONCLUSIONS

Based on the information developed as a result of this closure investigation, it would appear that the concentrations of petroleum hydrocarbons/BTEX in the residual soil proximal to the former USTs are below the WDOE guidelines for UST removal. Having satisfied the site assessment requirements of 40 CFR, parts 280.71 and 280.72 in a manner consistent with the guidelines for such actions provided by the WDOE, and having found no residual hydrocarbon contamination exceeding limits prescribed under prevailing regulatory guidelines of this state, we conclude that no further characterization of these tank installations is required and that they have been properly closed in conformance with the intent and purpose of the aforementioned federal and state regulation guidelines.

LIMITATIONS

This report has been prepared for specific application to this project in a manner consistent with that level of care and skill normally exercised by members of the environmental science profession currently practicing under similar conditions in the area. This report is for the exclusive use of Fauntleroy Associates and their representatives. No other warranty, expressed or implied, is made. If new information is developed in future site work which may include

excavations, borings, studies, etc., Geotech Consultants, Inc., should be allowed to reevaluate the conclusions of this report and to provide amendments as required.

We appreciate the opportunity to serve you on this project and we trust that the information provided here will serve your needs. If you have any questions or if we may be of further service, please do not hesitate to contact us.

Respectfully submitted,

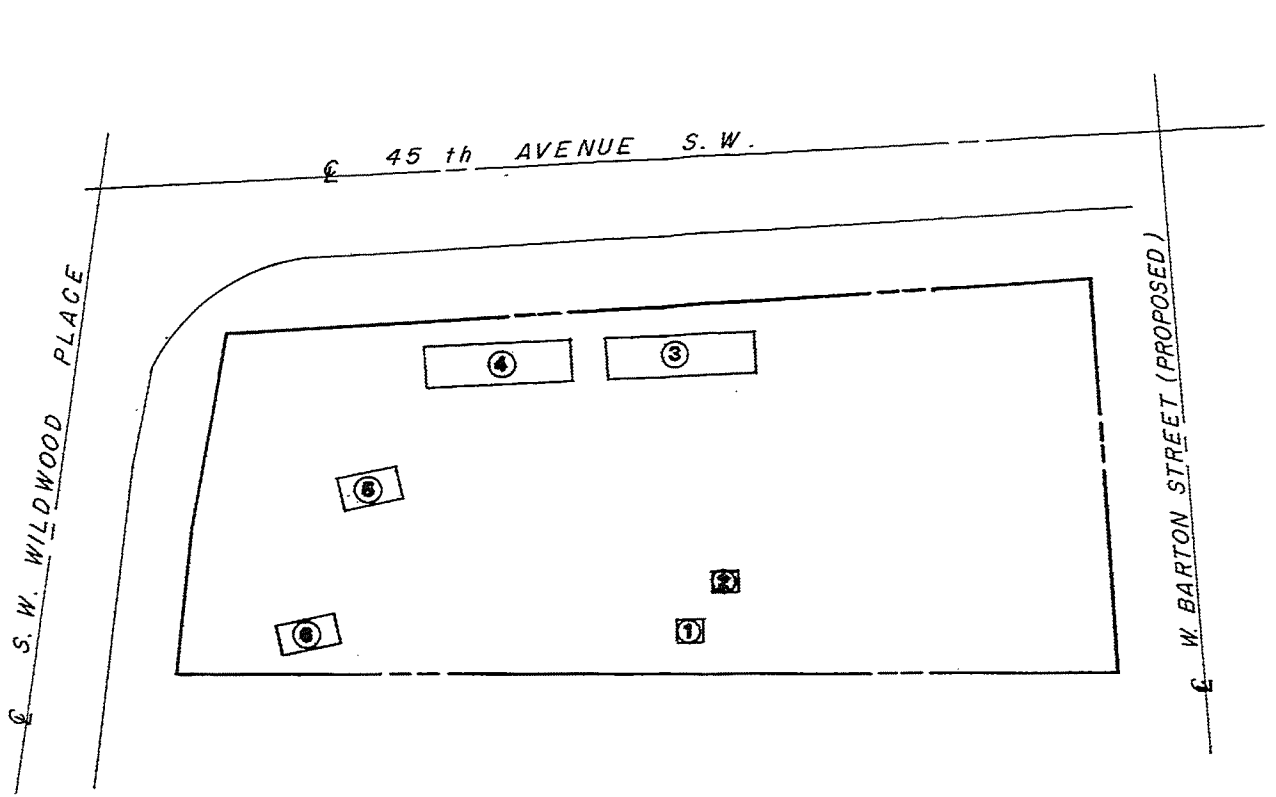
GEOTECH CONSULTANTS, INC.

Marc R. McGinnis
Environmental Engineer

Don W. Spencer, M.Sc.
Director-Environmental Services

Attachment: Tank Location Plan

MRM/DWS:mm



LEGEND

(1) APPROXIMATE TANK LOCATION
(See text for discussion of contents)

GEOTECH
CONSULTANTS

TANK LOCATION PLAN
9212 45th AVENUE S.W.
SEATTLE, WASHINGTON

Job No.: 88199	Date: OCT 88	Scale: 1"=80'	Plate:

Forty-fifth Ave SW Apartments
Seattle
VCP NW 2809

Phase I Environmental Site Assessment

Endolyne Garden

9212 and 9214 45th Avenue Southwest

King County Parcel No. 234670-0000

Seattle, King County, Washington

December 9, 2013

Terracon Project No. 81137815

Sterling Project No. 13-012451-01

Prepared for:

Intervest

Spokane, Washington

Prepared by:

Terracon Consultants, Inc.

Mountlake Terrace, Washington

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Geotechnical ■ Environmental ■ Construction Materials ■ Facilities

December 9, 2013

Terracon

Intervest
111 North Wall Street 2nd Floor
Spokane, WA 99201

Attn: Mr. Michael Pereira, CHMM

Re: Phase I Environmental Site Assessment
Endolyne Garden
9212 and 9214 45th Avenue Southwest
King County Parcel No. 2346700000
Seattle, King County, Washington
Project No. 81137815
Sterling Project No. 13-012451-01

Dear Mr. Pereira:

Terracon Consultants, Inc. (Terracon) is pleased to submit the enclosed Phase I Environmental Site Assessment (ESA) report for the above-referenced site. This assessment was performed in accordance with our Master Services Agreement dated August 13, 2013 and the RIMS online project award dated November 22, 2013.

We appreciate the opportunity to be of service to you on this project. In addition to Phase I services, our professionals provide geotechnical, environmental, construction materials, and facilities services on a wide variety of projects locally, regionally and nationally. For more detailed information on all of Terracon's services please visit our website at www.terracon.com. If there are any questions regarding this report or if we may be of further assistance, please do not hesitate to contact us.

Sincerely,
Terracon Consultants, Inc.

Travis Hauk
Project Manager

Matt Wheaton, L.G.
Department Manager

Erica Pitcavage, G.I.T.
Field Geologist

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EXECUTIVE SUMMARY

This Phase I Environmental Site Assessment (ESA) was performed in accordance the Master Environmental Services Agreement dated August 13, 2013 and the RIMS online project award dated November 22, 2013, in accordance with Sterling Bank guidance documents identified as Sterling Bank Environmental Services Guidance, and was conducted consistent with the procedures included in ASTM E 1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The ESA was conducted under the supervision or responsible charge of Travis Hauk, Environmental Professional. Erica Pitcavage performed the site reconnaissance on December 2, 2013.

Findings

A cursory summary of findings is provided below. It should be recognized that details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein.

Site Description and Use

The site is located at 9212 and 9214 45th Avenue Southwest in Seattle, King County, Washington and consists of King County tax parcel 2346700000. The site is an approximate 0.22-acre tract of land that has been improved with a building approximately 20,696 square feet in size containing 14 apartment units and a restaurant suite, which is currently occupied by Guadalajara Mexican Restaurant.

Historical Information

Based on a review of the historical information, the site was developed with a gas station beginning sometime prior to 1940. Beginning in the 1950s, the site was used as an auto repair facility in addition to gas station operations. The site was redeveloped with the present-day apartment building in 1990. During redevelopment activities, six underground storage tanks were removed from the site. Soils impacted above the cleanup levels in effect at that time may have been removed; however, it appears that some soil containing xylenes and possibly total petroleum hydrocarbons (TPH) above the current (2013) MTCA cleanup levels may remain in place. The historical releases associated with site USTs and the documented petroleum-impacted soil at the site represents a REC.

Records Review

Based on a review of regulatory databases, the site was identified as a regulated facility on the LUST, UST, FINDS, ALLSITES, and EDR Historical Auto Stations databases. The listings are reportedly due to the former use of the site as a gas station and the removal of six USTs in 1989. Based on review of available records regarding the removal of these tanks, there is the potential for soils impacted above cleanup levels to remain in place at the site. Therefore, the former use of the site as a gas station has been identified as a REC.

Based on distance, environmental setting and/or facility characteristics, the identified off-site facilities and inquiry results from the local agencies do not constitute RECs in connection with the site at this time.

Site Reconnaissance

Based on site reconnaissance, RECs were not identified associated with the current site operations including heating systems, a food oil storage drum, catch basins, a grease trap, interior floor drains, and trash dumpsters.

Adjoining Properties

The site is adjoined by apartment buildings and commercial and office buildings. Indications of RECs were not observed with the adjoining properties.

Additional Services

Per the agreed scope of services specified in Sterling Bank's Scope of Work, additional services (e.g., asbestos sampling, lead-based paint sampling, wetlands evaluation, lead in drinking water testing, radon testing, etc.) were not conducted, with the exception of limited visual observations for mold, asbestos, and lead-based paint, and limitied radon records review and vapor encroachment assessment. Indications of mold and/or water infiltrations were not identified in the areas observed; furthermore, the site contact was not aware of any mold and/or water infiltration in the structure. Based on the age of the structure (1990) the potential for the presence of asbestos containing materials and lead-based paints to be located within the structure is low. The site is considered to have a low potential for elevated indoor concentrations of radon gas. Based on the physical setting of the site, the current use of the site and the findings from the historical and regulatory records review, the site is considered to have a moderate potential for vapor encroachment issues.

Conclusions and Recommendations

We have performed a Phase I ESA consistent with the procedures included in ASTM Practice E 1527-13 of King County tax parcel 2346700000, the site. The following recognized environmental condition was identified in connection with the site:

The site was occupied by a gas station from sometime prior to 1940 to 1989. Six underground storage tanks were reportedly removed from the site in 1989. Based on review of documents related to the tank removal, it appears that soils impacted above present-day cleanup levels may remain at the site. The potential for impacts at the site has been identified as a REC.

Based on the findings of our Phase I ESA, Terracon recommends that an additional subsurface investigation be completed in an effort to assess current soil and/or groundwater conditions associated with previously documented petroleum impacts.

PHASE I ENVIRONMENTAL SITE ASSESSMENT
ENDOLYNE GARDEN
9212 45TH AVENUE SOUTHWEST
SEATTLE, KING COUNTY, WASHINGTON

Terracon Project No. 81137815
Sterling Project No. 13-012451-01-3
December 9, 2013

1.0 INTRODUCTION

1.1 Site Description

Site Name	Endolyne Garden
Site Location/Address	9212 45th Avenue Southwest, Seattle, King County, Washington 13-012451-01-3
Land Area	Approximately 0.22 acre
Site Improvements	The site is developed with a 14-unit apartment building approximately 20,696 square feet in size

The site location is depicted on Figure 1 of Appendix A, which was reproduced from a portion of the USGS 7.5-minute series topographic map. A Site Diagram of the site and adjoining properties is included as Figure 2 of Appendix A. Acronyms and terms used in this report are described in Appendix B.

1.2 Scope of Services

This Phase I ESA was performed in accordance with the Master Environmental Services Agreement (MESA) between Terracon and Sterling Bank dated August 13, 2013; the RIMS on-line award dated November 22, 2013; in accordance with Sterling Bank guidance documents identified as Sterling Bank Environmental Services Guidance; and was conducted consistent with the procedures included in ASTM E 1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The purpose of this ESA was to assist the client in developing information to identify RECs in connection with the site as reflected by the scope of this report. This purpose was undertaken through user-provided information, a regulatory database review, historical and physical records review, interviews, including local government inquiries, as applicable, user-provided information, and a visual noninvasive reconnaissance of the site and adjoining properties. Limitations, ASTM deviations, and significant data gaps (if identified) are noted in the applicable sections of the report.

Limitations, ASTM deviations, and significant data gaps (if identified) are noted in the applicable sections of the report. As requested by the client, the following additional services were performed:

- Limited Visual Observations for Asbestos
- Limited Visual Observations for Lead-Based Paint
- Limited Visual Observations for Mold
- Limited Radon Records Review
- Limited Vapor Encroachment Assessment

1.3 Standard of Care

This ESA was performed in accordance with generally accepted practices of this profession, undertaken in similar studies at the same time and in the same geographical area. We have endeavored to meet this standard of care, but may be limited by conditions encountered during performance, a client-driven scope of work, or inability to review information not received by the report date. Where appropriate, these limitations are discussed in the text of the report, and an evaluation of their significance with respect to our findings has been conducted.

Phase I ESAs, such as the one performed at this site, are of limited scope, are noninvasive, and cannot eliminate the potential that hazardous, toxic, or petroleum substances are present or have been released at the site beyond what is identified by the limited scope of this ESA. In conducting the limited scope of services described herein, certain sources of information and public records were not reviewed. It should be recognized that environmental concerns may be documented in public records that were not reviewed. No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs. No warranties, express or implied, are intended or made. The limitations herein must be considered when the user of this report formulates opinions as to risks associated with the site or otherwise uses the report for any other purpose. These risks may be further evaluated – but not eliminated – through additional research or assessment. We will, upon request, advise you of additional research or assessment options that may be available and associated costs.

1.4 Additional Scope Limitations, ASTM Deviations and Significant Data Gaps

Based upon the agreed-on scope of services, this ESA did not include subsurface or other invasive assessments, vapor intrusion assessments or indoor air quality assessments (i.e. evaluation of the presence of vapors within a building structure), business environmental risk evaluations, or other services not particularly identified and discussed herein. Credentials of the company (Statement of Qualifications) have not been included in this report but are available upon request. Pertinent documents are referred to in the text of this report, and a separate reference section has not been included. Reasonable attempts were made to obtain information within the scope and time constraints set forth by the client; however, in some instances,

information requested is not, or was not, received by the issuance date of the report. Information obtained for this ESA was received from several sources that we believe to be reliable; nonetheless, the authenticity or reliability of these sources cannot and is not warranted hereunder.

An evaluation of the significance of these limitations and missing information with respect to our findings has been conducted, and where appropriate, significant data gaps are identified and discussed in the text of the report. However, it should be recognized that an evaluation of significant data gaps is based on the information available at the time of report issuance, and an evaluation of information received after the report issuance date may result in an alteration of our conclusions, recommendations, or opinions. We have no obligation to provide information obtained or discovered by us after the issuance date of the report, or to perform any additional services, regardless of whether the information would affect any conclusions, recommendations, or opinions in the report. This disclaimer specifically applies to any information that has not been provided by the client.

This report represents our service to you as of the report date and constitutes our final document; its text may not be altered after final issuance. Findings in this report are based upon the site's current utilization, information derived from the most recent reconnaissance and from other activities described herein; such information is subject to change. Certain indicators of the presence of hazardous substances or petroleum products may have been latent, inaccessible, unobservable, or not present during the most recent reconnaissance and may subsequently become observable (such as after site renovation or development). Further, these services are not to be construed as legal interpretation or advice.

1.5 Reliance

This ESA report is prepared for the exclusive use and reliance of Sterling Bank and Intervest. Use or reliance by any other party is prohibited without the written authorization of Sterling Bank, Intervest, and Terracon Consultants, Inc. (Terracon).

Reliance on the ESA by the client and all authorized parties will be subject to the terms, conditions and limitations stated in this ESA report and the Master Environmental Services Agreement (MESA). The limitation of liability defined in the MESA is the aggregate limit of Terracon's liability to the client and all relying parties.

Continued viability of this report is subject to ASTM E 1527-13 Sections 4.6 and 4.8. If the ESA will be used by a different user (third party) than the user for whom the ESA was originally prepared, the third party must also satisfy the user's responsibilities in Section 6 of ASTM E 1527-13.

1.6 Client Provided Information

Prior to the site visit, the current site owner, Kurt Fisher, provided the following user questionnaire information as described in ASTM E1527-35 Section 6.

Client Questionnaire Responses

Client Questionnaire Item	Client Did Not Respond	Client's Response	
		Yes	No
Specialized Knowledge or Experience that is material to a REC in connection with the site.			X
Actual Knowledge of Environmental Liens or Activity Use Limitations (AULs) that may encumber the site.			X
Actual Knowledge of a Significantly Lower Purchase Price because of hazardous substances or petroleum products.			X
Commonly Known or Reasonably Ascertainable Information that is material to a REC in connection with the site.			X
Obvious Indicators of Contamination at the site.			X

2.0 PHYSICAL SETTING

Physical Setting

Physical Setting Information		Source
Topography (Refer to Appendix A for an excerpt of the Topographic Map)		
Site Elevation	Approximately 95 feet (NGVD)	USGS Topographic Map, Seattle South Quadrangle, 1983
Surface Runoff/ Topographic Gradient	Sloping toward the north-northwest	
Closest Surface Water	Fauntleroy Creek adjoins the site to the north	
Soil Characteristics		
Soil Type	No data available	No data available
Description	The site is located in an urban area for which the soil has not been mapped.	

Physical Setting Information		Source
Geology/Hydrogeology		
Formation	Vashon glacial deposits—Recessional coarse-grained deposits	The geologic map of Seattle—a progress report; USGS OF-2005-1252; 2005
Description	Predominantly sand and gravel, clean to silty, horizontally to cross bedded, deposited in outwash channels and in deltas.	
Estimated Depth to First Occurrence of Groundwater	Approximately 10 feet bgs, as measured in a well approximately ½ mile from the site	Washington Department of Ecology Well Log Database, well log ID 341673
*Hydrogeologic Gradient	Not known - may be inferred to be parallel to topographic gradient (primarily to the north-northwest.)	

* The groundwater flow direction and the depth to shallow, unconfined groundwater, if present, would likely vary depending upon seasonal variations in rainfall and other hydrogeological features. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

3.0 HISTORICAL USE INFORMATION

Terracon reviewed the following historical sources for indications of RECs. A summary of the historical review is included at the end of the Historical Use Information section. Copies of selected historical documents are included in Appendix C.

3.1 Historical Topographic Maps

Readily available historical USGS topographic maps were reviewed to evaluate land development in connection with the site. Reviewed historical topographic maps are summarized below.

- Duwamish Head, Washington, published **1949** (1:24,000)
- Duwamish Head, Washington, published 1949, photorevised **1968** (1:24,000)
- Seattle South, Washington, published **1983**, (1:25,000)

Historical Topographic Maps

Direction	Description
Site	Site developed with two small structures (1949-1968); urban area, no specific features indicated (1983)
North	Undeveloped land and creek (1949-1968); creek (1983)
East	Several small structures (1949-1968); urban area, no specific features indicated (1983)
South	Road followed by small structures (1949-1968); road and urban area, no specific features indicated (1983)

Direction	Description
West	Road followed by small structures (1949-1968); road and urban area, no specific features indicated (1983)

3.2 Historical Aerial Photographs

Selected historical aerial photographs were reviewed at approximately 10 to 15 year intervals, if readily available, to obtain information concerning the history of development on and near the site. Evaluation of these aerials may be limited by a photo's quality and scale. Selected photographs are summarized below.

- King County Assessor, **1936**, scale varies
- Army Corps of Engineers, **1944**, 1:20,000
- S53, **1953**, 1:12,000
- Pacific Aerial Surveys, **1965**, 1:4,800
- Washington State Department of Natural Resources, **1970**, 1:4,800
- Washington State Department of Natural Resources, **1985**, 1:12,000
- Washington State Department of Natural Resources, **1990**, 1:12,000
- King County Assessor, **2002**, scale varies
- Google Earth Pro, **2006**, scale varies
- Google Earth Pro, **2012**, scale varies

Historical Aerial Photographs

Direction	Description
Site	The site is developed with two small structures (1936-1953); Structure in east-central portion of site, apparent gas station canopy in southwestern site corner; northern portion of site is apparent parking lot (1965-1985); site is developed with present-day structure (1995-2012)
North	Undeveloped forested land (1936-1944); property cleared for development, undeveloped forested land to northeast (1953); apartment building, forested area to northeast (1965-2012)
East	Several apparent residential structures (1936-2012)
South	Road followed by apparent commercial structures (1936-1953); road followed by vacant lot, commercial structure to southwest (1965-1970); road followed by commercial structures (1985-2012)
West	Road followed by several small structures (1936-1953); road followed by apparent commercial structure and parking lot (1965-1970); road followed by apartment building (1985-2012)

The former use of the site as a gas station and auto repair facility has been identified as a REC and is discussed further in Section 3.10.

3.3 Historical City Directories

The city directories used in this study were made available through EDR (selected years reviewed: 1940, 1944, 1951, 1955, 1960, 1966, 1969, 1970, 1971, 1975, 1977, 1980, 1981, 1985, 1986, 1990, 1991, 1996, 2005, 2008, and 2013) and were reviewed at approximate five year intervals. Since these references are copyright protected, reproductions are not provided in this report. The current street addresses for the site were identified as 9212 and 9214 45th Avenue Southwest.

Historical City Directories

Direction	Description
Site	**9212 45th Avenue Southwest:** Palitzke DM gas station (1940); Fauntleroy Super Service gas station (1944); Palitzke Serv gas station (1944-1951); Jim's Richfield gas station, Goodwin auto repairs (1955); Jim's Richfield station (1960-1966); Swan's Richfield Station (1970); vacant (1975); Gene's Automotive & service (1980); apartments (1996-2008) no listings (2013) **9214 45th Avenue Southwest:** no listings (1940-1991); Georgie Café (1996); no listings (2005-2013)
North	**9134 45th Avenue Southwest:** no listings (1940-1955); apartments (1960-2013) **9144 45th Avenue Southwest:** no listings (1940-1955); apartments (1960-2013) **9165 45th Avenue Southwest:** no listings (1940-1985); apartments (1986-2005)
East	**4406 Southwest Wildwood Place:** no listings (1940-1960); residential (1966-2005) **4412 Southwest Wildwood Place:** no listings (1940-1960); residential (1966-2005)
South	**9250 45th Avenue Southwest**: residential (1940); commercial (1951-2013) **9251 45th Avenue Southwest:** vacant (1940); commercial (1944-2013)
West	**4500 Southwest Wildwood Place:** no listings (1940-1969); Jack's Auto Repair (1970); no listings (1971-2013) **4502 Southwest Wildwood Place:** no listings (1940-1985); apartments (1986-2013)

The former use of the site as a gas station and auto repair facility has been identified as a REC and is discussed further in Section 3.10.

3.4 Historical Fire Insurance Maps

Historical fire insurance maps produced by the Sanborn Map Company were requested from Environmental Data Resources Inc. (EDR) to evaluate past uses and relevant characteristics of the site and surrounding properties. Based upon inquiries to the above-listed Sanborn provider, Sanborn Maps were not available for the site.

3.5 Site Ownership

Based on a review of information obtained from the King County assessor's records, the current site owner is Endolyne Apartments LLC.

3.6 Title Search

At the direction of the client, a title search was not included as part of the scope of services. Unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

3.7 Environmental Liens

Environmental lien records recorded against the site were not provided by the client. At the direction of the client, performance of a review of these records was not included as part of the scope of services and unless notified otherwise, we assume that the client is evaluating this information outside the context of this report.

3.8 Building Department Records

Terracon reviewed building department records at the Seattle Department of Planning and Development (DPD) for information indicating RECs on the site. The DPD provided general site plans for the service station that occupied the site prior to the late 1980s, as well as documentation regarding the auto repair operations at the site and removal of underground storage tanks during site redevelopment. The letter describing the tank removal is summarized in Section 3.10.

3.9 Historical and Site Interviews

The following individuals were interviewed regarding the current and historical use of the site.

Interviewees

Interviewer	Interviewee/Phone #	Title	Date/Time
Erica Pitcavage	Steve Fischer	Broker	December 2, 10am

Mr. Fischer was not aware of any pending, threatened or past environmental litigation, proceedings or notices of possible violations of environmental laws or liability or potential environmental concerns in connection with the site.

3.10 Prior Report Review

The following environmental reports were provided by the client. A summary of the findings of these reports is provided below. This summary is based solely on the information provided in the referenced documents and Terracon offers no assessment regarding the quality,

completeness and/or accuracy of the information provided. This information is being considered solely in the context of additional historical information made available for the site.

"Removal of Underground Storage Tanks," Geotech Consultants, letter dated September 5, 1989

"Closure Report: Underground Storage Tanks," Geotech Consultants, letter dated December 5, 1989.

According to two 1989 letters to Seattle's Department of Construction and Land Use (DCLU) from Geotech Consultants, six USTs were removed from the site during redevelopment activities. Two oil tanks were removed from an area in the northern portion of the site, two gasoline tanks were removed from an area in the western portion of the site, and two additional gasoline tanks were removed from the southern portion of the site.

Following the removal of the oil tanks located in the northern portion of the site, soil samples taken from the excavation bottom and sidewalls initially indicated that soil beneath one of the two tanks, positioned in the western portion of the excavation, contained total petroleum hydrocarbons at a concentration (1,150 mg/Kg) exceeding the cleanup level at that time. Further excavation was conducted, and a second confirmation sample taken from the bottom of the excavation indicated that impacted soils had been successfully removed. The sample results, soil sample locations, or analytical data from this confirmation soil sample was not provided in the letter.

Based on Ecology's cleanup standards at the time, soil samples collected from the gasoline tank excavations did not contain BTEX compounds above those cleanup levels. However, the cleanup standards have changed since 1989, and it appears that the fill soil above the gasoline tanks located in the western portion of the site contained xylenes at a concentration (12.9 mg/Kg) above the current MTCA cleanup level for soil (9 mg/Kg). BTEX concentrations were below current cleanup levels in the gasoline tanks located in the southern portion of the site. It does not appear that soils from either of the former gasoline tank locations were analyzed for gasoline-range hydrocarbons. Furthermore, the analytical methods that were used for the detection of total petroleum hydrocarbons is typically used as a hydrocarbon screening analyses and cannot differentiate between hydrocarbon chains. Finally, additional volatile organic compounds (VOCs) were not tested for during the UST removal activities.

Although the UST removal and soil sampling activities were generally conducted in accordance with industry standards typical for the late 1980s, the sampling procedures, analytical methods and compounds sampled for at that time were not sufficient to rebut the assumption that a release had not significantly impacted the subsurface. Soils impacted above the cleanup levels in effect at that time may have been removed; however, it appears that some soil containing xylenes and possibly total petroleum hydrocarbons (TPH) above the current (2013) MTCA

cleanup levels may remain in place. The historical releases associated with site USTs and the documented petroleum-impacted soil at the site represents a REC.

3.11 Historical Use Information Summary

Based on a review of the historical information, the site was developed with a gas station beginning sometime prior to 1940. Beginning in the 1950s, the site was used as an auto repair facility in addition to gas station operations. The site was redeveloped with the present-day apartment building in 1990. During redevelopment activities, six underground storage tanks were removed from the site. Soils impacted above the cleanup levels in effect at that time may have been removed; however, it appears that some soil containing xylenes and possibly total petroleum hydrocarbons (TPH) above the current (2013) MTCA cleanup levels may remain in place. The historical releases associated with site USTs and the documented petroleum-impacted soil at the site represents a REC.

4.0 RECORDS REVIEW

Regulatory database information was provided by EDR, a contract information services company. The purpose of the records review was to identify RECs in connection with the site. Evaluating identified regulatory facilities for potential vapor intrusion conditions was outside the scope of this assessment. Information in this section is subject to the accuracy of the data provided by the information services company and the date at which the information is updated, and the scope herein did not include confirmation of facilities listed as "unmappable" by regulatory databases.

In some of the following subsections, the words up-gradient, cross-gradient and down-gradient refer to the topographic gradient in relation to the site. As stated previously, the groundwater flow direction and the depth to shallow groundwater, if present, would likely vary depending upon seasonal variations in rainfall and the depth to the soil/bedrock interface. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

4.1 Federal and State/Tribal Databases

Listed below are the facility listings identified on federal and state/tribal databases within the ASTM-required search distances from the approximate site boundaries. Database definition, descriptions, and the database search report are included in Appendix D.

Federal and State Databases

Database	Description	Radius (miles)	Listings
Federal			

Database	Description	Radius (miles)	Listings
CERCLIS	The CERCLIS database is a compilation of facilities which the EPA has investigated or is currently investigating for a release or threatened release of hazardous substances pursuant to the CERCLA of 1980.	0.5	0
CERCLIS / NFRAP	CERCLIS/NFRAP refers to facilities that have been removed and archived from EPA's inventory of CERCLA sites.	0.5	0
ERNS	The Emergency Response Notification System (ERNS) is a listing compiled by the EPA on reported releases of petroleum and hazardous substances to the air, soil and/or water.	Site	0
IC / EC	A listing of sites with institutional and/or engineering controls in place. IC include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls. EC include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.	Site	0
NPL	The NPL is the EPA's database of uncontrolled or abandoned hazardous waste facilities that have been listed for priority remedial actions under the Superfund Program.	1	0
NPL (Delisted)	The NPL (Delisted) refers to facilities that have been removed from the NPL.	0.5	0
RCRA CORRACTS/ TSD	The EPA maintains a database of RCRA facilities associated with treatment, storage, and disposal (TSD) of hazardous waste that are undergoing ~~c~~orrective action." A ~~c~~orrective action" order is issued when there has been a release of hazardous waste or constituents into the environment from a RCRA facility.	1	0
RCRA Generators	The RCRA Generators database, maintained by the EPA, lists facilities that generate hazardous waste as part of their normal business practices. Generators are listed as either large (LQG), small (SQG), or conditionally exempt (CESQG). LQG produce at least 1000 kg/month of non-acutely hazardous waste or 1 kg/month of acutely hazardous waste. SQG produce 100-1000 kg/month of non-acutely hazardous waste. CESQG are those that generate less than 100 kg/month of non-acutely hazardous waste.	Site and adjoining properties	0
RCRA Non-CORRACTS/ TSD	The RCRA Non-CORRACTS/TSD Database is a compilation by the EPA of facilities which report storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS/TSD database, the RCRA Non-CORRACTS/TSD database does not include RCRA facilities where corrective action is required.	0.5	0

State/Tribal

CSCSL	The Washington Department of Ecology (Ecology) maintains a municipal listing of state equivalent CERCLIS sites where contamination of soil and/or ground water is confirmed at levels greater than the applicable cleanup criteria or standards.	0.5	1
HSL	Ecology maintains a listing of state equivalent NPL sites which have been assessed and ranked using the Washington Ranking Method (WARM.)	1	0
ICR	Ecology provides a computer generated database of sites that have submitted remedial action reports, known as Independent Cleanup Reports (ICR). These actions have been conducted without department oversight or approval and are not under an order or decree. The database is no longer updated by Ecology.	0.5	1
IC	Sites that have institutional controls.	Site	0
LUST	State and/or Tribal database of leaking underground storage tanks in the state of Washington.	0.5	1
SWF/LF	State and/or Tribal database of solid waste facilities located within Washington. The database information may include the facility name, class, operation type, area, estimated operational life, and owner.	0.5	0
UST	State and/or Tribal database of registered storage tanks in the State of Washington which may include the owner and location of the tanks.	Site and adjoining properties	1
VCP	State and/or Tribal facilities included as Voluntary Cleanup Program sites.	0.5	0
FINDS	Facility index system which contains both facility information and 'pointers' to other sources that contain more detail.	Site	1
ALLSITES	Information on facilities and sites of interest to the Department of Ecology.	Site	1

In addition to the above ASTM-required listings, Terracon reviewed other federal, state, local, and proprietary databases provided by the database firm. A list of the additional reviewed databases is included in the regulatory database report included in Appendix D.

The following table summarizes the site-specific information provided by the database and/or gathered by this office for identified facilities. Facilities are listed in order of proximity to the site. Additional discussion for selected facilities follows the summary table.

Listed Facilities

Facility Name And Location	Estimated Distance/Direction/Gradient	Database Listings
Eugene Landry / Gene S Automotive And Service 9212 45th Ave SW	Site	LUST, UST, FINDS, ALLSITES, EDR US Hist Auto Stat
Jack S V W Repair	Approximately 75 feet / west / cross-	EDR US Hist Auto Stat

Facility Name And Location	Estimated Distance/Direction/Gradient	Database Listings
4500 SW Wildwood Pl	gradient	
Courtesy Cleaners 9253 45th Ave SW	Approximately 100 feet / southwest / cross-gradient	EDR US Hist Cleaners
Vivian S Custom Cleaners 4509 Wildwood Pl	Approximately 125 feet / southwest / cross-gradient	EDR US Hist Cleaners
Seattle Public Utilities Sw Barton Water 3816 SW Barton	Approximately 1,900 feet / east / up-gradient	CSCSL, ICR

Eugene Landry

The site was identified as a regulated facility on the LUST, UST, FINDS, ALLSITES, and EDR Historical Auto Stations databases. The FINDS and ALLSITES listings for the site are related to administrative systems that track information regarding regulated facilities. The UST and LUST listings for the site are related to the prior use of the site as a gas station and auto repair facility. According to Ecology, the site is listed due to.... The site was listed on.....DATE. As discussed in Section 3.10, a total of six tanks were found during site redevelopment in 1989 and were removed from the site, with some soil impacted above cleanup levels potentially remaining in place. The potential for residual impacts to remain at the site has been identified as a REC.

Terracon requested records regarding the site from the Department of Ecology, which have not been made available as of the issuance of this report.

EDR Historical Cleaners/Auto Stations

Numerous historical dry cleaners and auto stations were identified by the database report as EDR Historical Cleaners and Historical Auto Station facilities. These facilities are listed within EDR's internal proprietary records, and reportedly include facilities identified during a review of Sanborn Maps and historical city directories. The historical auto station and cleaners identified in the vicinity of the site are not listed on any other regulatory databases and do not have any reported releases. Based on the absence of reported releases and locations relative to the site, these facility listings do not appear to represent RECs.

The remaining facilities listed in the database report do not appear to represent RECs to the site at this time based upon regulatory status, apparent topographic gradient, and/or relative distance from the site.

Unmapped facilities are those that do not contain sufficient address or location information to evaluate the facility listing locations relative to the site. The report listed 20 facilities in the unmapped section. Determining the location of unmapped facilities is beyond the scope of this assessment; however, none of these facilities were identified as the site or adjacent properties. These facilities are listed in the database report in Appendix D.

4.2 Local Agency Inquiries

4.2.1 Health Department/Environmental Division

The King County Health Department was contacted regarding environmental records for the site. At the time of the issuance of this report, a response has not been received from the health department.

4.2.2 Fire Department

The Seattle Fire Department was contacted regarding environmental records for the site. The Fire Department provided records related to the removal of four underground tanks from the site in 1989. According to the records, the tanks consisted of one heating oil tank, one waste oil tank, and two gasoline tanks. As discussed in Section 3.10, a total of six tanks were removed from the site in 1989.

4.2.3 Building/Planning Department

Terracon reviewed historic and current building records at the Seattle Department of Planning and Development. Records provided by the city are discussed in Section 3.8.

4.2.4 Washington State Department of Ecology

Terracon requested records for the site from the Washington State Department of Ecology (Ecology). At the time of the issuance of this report, records have not been provided by Ecology. The site is listed as a UST and LUST facility. The regulatory listings for the site are discussed further in Section 4.1.

4.3 Records Review Summary

Based on a review of regulatory databases, the site was identified as a regulated facility on the LUST, UST, FINDS, ALLSITES, and EDR Historical Auto Stations databases. The listings are reportedly due to the former use of the site as a gas station and the removal of six USTs in 1989. Based on review of available records regarding the removal of these tanks, there is the potential for soils impacted above cleanup levels to remain in place at the site. Therefore, the former use of the site as a gas station has been identified as a REC.

Based on distance, environmental setting and/or facility characteristics, the identified off-site facilities and inquiry results from the local agencies do not constitute RECs in connection with the site at this time.

5.0 SITE RECONNAISSANCE

5.1 General Site Information

Information contained in this section is based on a visual reconnaissance conducted while walking through the site and the accessible interior areas of structures, if any, located on the site. Figure 2 in Appendix A is a diagram of the site. Photo documentation of the site at the time of the visual reconnaissance is provided in Appendix E. Credentials of the individuals planning and conducting the site visit are included in Appendix F.

General Site Information

Site Reconnaissance	
Field Personnel	Erica Pitcavage
Reconnaissance Date	December 2, 2013
Weather Conditions	Clear, approximately 30°F
Site Contact/Title	Steve Fischer
Site Description	
Site Name	Endolyne Garden
Site Location/Address	9212 and 9214 45th Avenue Southwest, Seattle, King County, Washington
Land Area	0.22 acre
Other Site Improvements	Apartment building with restaurant and parking
Zoning	Neighborhood Commercial 1-30
Site Topographic Relief	Gently sloping to the west-northwest
Site Utilities	
Electricity	Seattle City Light
Drinking Water	City of Seattle
Wastewater	City of Seattle
Natural Gas	Puget Sound Natural Gas

5.2 Overview of Current Site Occupants and Operations

The site is developed with a mixed use apartment and retail structure. The building consists of 14 residential apartments, a retail space currently occupied by Guadalajara Mexican Restaurant, and a parking area.

5.3 Site Observations

The following table summarizes site observations and interviews. Affirmative responses (designated by an "X") are discussed in more detail following the table.

Site Characteristics

Category	Item or Feature	Observed
Site Operations, Processes, and Equipment	Emergency generators	
	Elevators	
	Air compressors	
	Hydraulic lifts	
	Dry cleaning	
	Photo processing	
	Ventilation hoods and/or incinerators	
	Waste treatment systems and/or water treatment systems	
	Heating and/or cooling systems	X
	Other processes or equipment	
Aboveground Chemical or Waste Storage	Aboveground storage tanks	
	Drums, barrels and/or containers ≥ 5 gallons	X
	MSDS	
Underground Chemical or Waste Storage, Drainage or Collection Systems	Underground storage tanks or ancillary UST equipment	
	Sumps, cisterns, catch basins and/or dry wells	X
	Grease traps	X
	Septic tanks and/or leach fields	
	Oil/water separators	
	Pipeline markers	
	Interior floor drains	X
Electrical Transformers/ PCBs	Transformers and/or capacitors	
	Other equipment	
Releases or Potential Releases	Stressed vegetation	
	Stained soil	
	Stained pavement or similar surface	
	Leachate and/or waste seeps	
	Trash, debris and/or other waste materials	X
	Dumping or disposal areas	
	Construction/demolition debris and/or dumped fill dirt	
	Surface water discoloration, odor, sheen, and/or free floating product	
	Strong, pungent or noxious odors	
	Exterior pipe discharges and/or other effluent discharges	
Other Notable Site Features	Surface water bodies	
	Quarries or pits	
	Wells	

Site Operations, Processes, and Equipment

Heating and/or cooling systems
The building is heated with electricity. The heating system for the site is not considered a REC.

Aboveground Chemical or Waste Storage

Drums, barrels and/or containers ≥ 5 gallons
One drum containing waste cooking oil was observed in the parking garage outside the restaurant. Minor amounts of staining were observed around the base of the drum. Based on the contents of the drum, it does not represent a REC to the site.

Underground Chemical or Waste Storage, Drainage or Collection Systems

Sumps, cisterns, catch basins and/or dry wells
Several storm drains/catch basins were observed in the parking garage. Evidence of staining or other releases to the drains were not observed during the site reconnaissance. Potentially hazardous materials did not appear to be stored in the vicinity of the drains. Therefore, the drains do not represent a REC to the site.

Grease trap
A grease trap is associated with the restaurant tenant space. According to Mr. Fischer, the grease trap is serviced monthly. Based on the current uses of the site, the grease trap does not represent a REC.

Interior floor drains
Interior floor drains were observed in the restaurant tenant space. The drains appeared to drain to the municipal sewer. Evidence of staining or other releases to the floor drains were not observed during the site reconnaissance. Potentially hazardous materials did not appear to be stored in the vicinity of the floor drains. Based on the nature of the on-site business, the drains do not appear to be a REC to the site.

Releases or Potential Releases

Trash, debris and/or other waste materials
Several solid waste disposal and recycling dumpsters, were observed in the northern portion of the site. No evidence of staining, noxious odors or hazardous waste disposal was observed within or in the vicinity of the on-site dumpsters.

5.4 Site Reconnaissance Summary

Based on site reconnaissance, RECs were not identified associated with the current site operations including heating systems, a food oil storage drum, catch basins, a grease trap, interior floor drains, and trash dumpsters.

6.0 ADJOINING PROPERTY RECONNAISSANCE

Visual observations of adjoining properties (from site boundaries) are summarized below.

Adjoining Properties

Direction	Description
North	9144 45th Avenue SW: Creek and apartment buildings
East	4412 SW Wildwood Place: Single-family residence
South	9250 45th Avenue SW: Massage and counseling offices 9251 45th Avenue SW: Salon and restaurant
West	4500 SW Wildwood Place: Apartment building

Indications of RECs were not observed with the adjoining properties.

7.0 ADDITIONAL SERVICES

Per the agreed scope of services specified in Sterling Bank's Scope of Work, the following additional services (e.g. limited visual observations for mold, asbestos, and lead-based paint) were conducted.

7.1 Limited Visual Observations for Mold

Pursuant to the client's request and in conjunction with the site reconnaissance, Terracon observed the interior and exterior of the on-site structure for obvious indications of significant water infiltration and visible mold growth.

The limited visual observations were performed by appropriately trained and accredited personnel where required by state/local regulations. The observations included visibly accessible surfaces in the building areas visited, and did not include observations of hidden conditions such as inaccessible areas, interior of wall cavities, interior of heating, ventilation and air conditioning (HVAC) systems, or behind intact wall coverings.

The source of excess moisture is typically related to leaky plumbing or roofing, but can also involve the building's HVAC system. When excess moisture accumulates in buildings, mold growth will often occur. In the presence of sufficient moisture, different molds can grow on wood, paper, carpet, or insulating materials. Molds reproduce through spores that cannot be seen with the naked eye. When they settle on damp indoor surfaces, active mold growth can begin. Moisture control is the key to controlling mold growth in indoor environments.

Terracon did not observe indications of water infiltration or mold growth. The site contact stated that he was not aware of any water leaks or mold issues at the site.

7.2 Limited Visual Observations for Asbestos

Pursuant to the client's request and in conjunction with the site reconnaissance, Terracon observed the interior and exterior of the structure for major sources of suspect ACM.

Based solely on visual observations, the major sources of suspect ACM at the site include: exterior wall paneling, caulking, gypsum wall board, glue tab ceiling panels, and textured ceilings and walls. Significantly damaged or friable suspect ACM was not observed during the site reconnaissance. Based on the scope of work, no sampling was conducted. Based on the construction date of the structure (1990) the potential for asbestos containing materials located in the site structure is low.

7.3 Limited Radon Records Review

Radon is a naturally occurring radioactive gas produced through the natural decay of uranium to stable lead. It is odorless, tasteless, and invisible. Elevated concentrations of radon can be found in soils and rocks containing uranium, granite, shale, phosphate, and pitchblende. Locations of these materials are highly unpredictable. Elevated levels of radon may also be found in soils containing certain types of industrial wastes, such as the by-products from uranium or phosphate mining. Radon can accumulate inside structures at concentrations that may pose risks to human health. Indoor radon levels are influenced by building construction and the concentration of radon in the underlying soil.

The average residential radon concentration for King County is <2 pCi/L.

Based on this information, the site is considered to have a low potential for elevated indoor concentrations of radon gas. However, testing would be required to evaluate site-specific concentrations of radon gas.

7.4 Limited Visual Observations for Lead-Based Paint

Pursuant to the client's request and in conjunction with the site reconnaissance, Terracon observed the interior and exterior of the structure for major sources of suspect lead-based paint.

Based solely on visual observations, the major sources of suspect lead-based paint at the include; painted wall board and painted exterior walls and doors. Based on the scope of work, no sampling was conducted. Based on the construction date of the structure (1990) the potential for lead-based paints located in/on the site structure is low.

7.5 Limited Vapor Encroachment Assessment

Pursuant to the client's request, and in conjunction with the ESA, Terracon conducted a limited Vapor Encroachment assessment. This assessment was not conducted in accordance with ASTM E 2600 10. This assessment was based on information collected in conjunction with the ESA, including existing/planned use of the site, type of structures located on the site, surrounding property description, user information, historical and physical records review, regulatory database review, manmade or natural conduits, as applicable, and a visual noninvasive reconnaissance of the site and adjoining properties, and did not include regulatory file reviews or subsurface investigations to evaluate soil, soil gas, or groundwater quality.

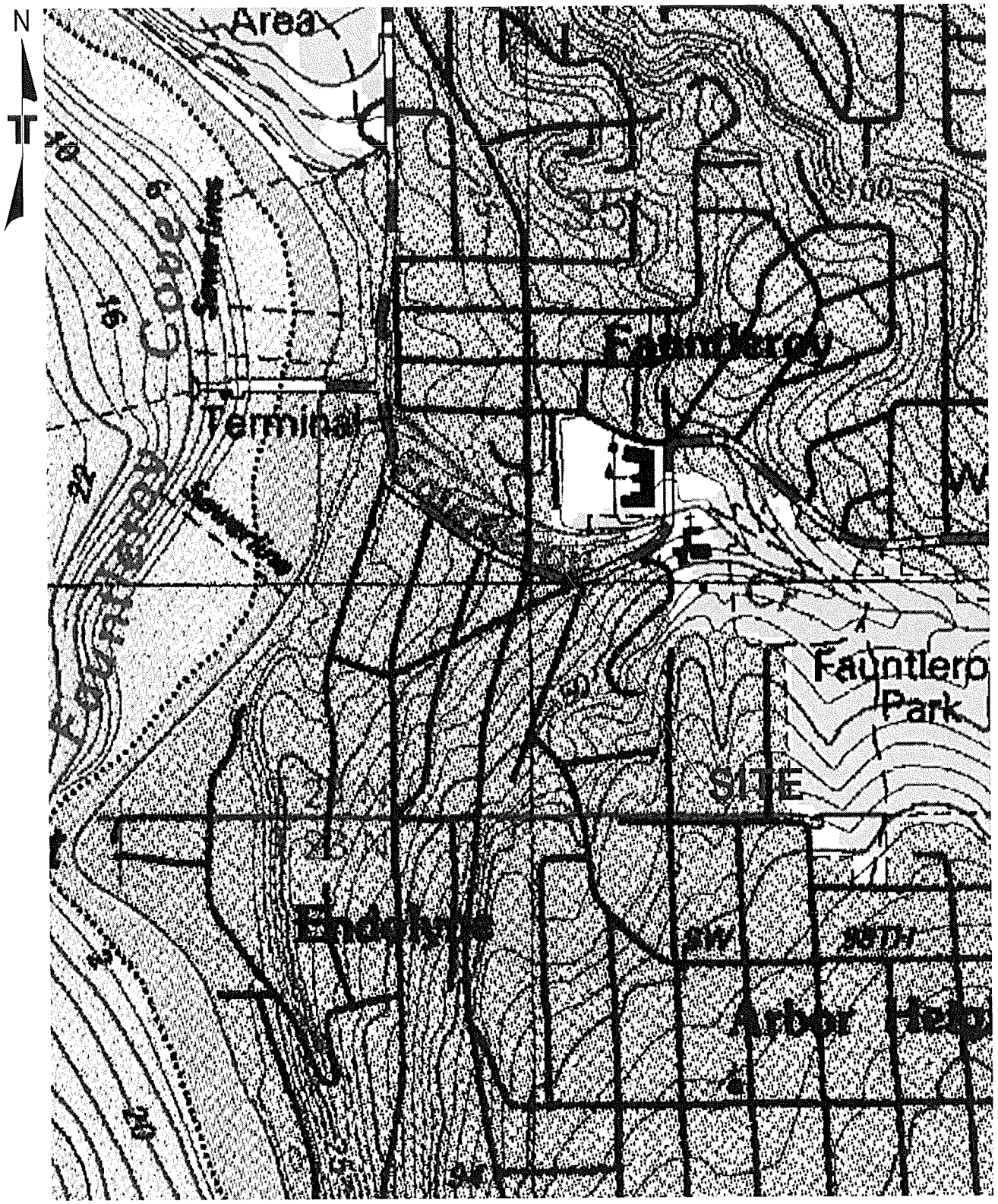
Based on the findings of the ESA, petroleum impacts to site soil have been previously identified. Based on the physical setting of the site, the current use of the site and the findings from the historical and regulatory records review, the site is considered to have a moderate potential for vapor encroachment issues.

8.0 DECLARATION

I, Travis A. Hauk, declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312; and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the site. I have developed and performed the All Appropriate Inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

APPENDIX A

Figure 1 - Topographic Map, Figure 2 – Site Diagram

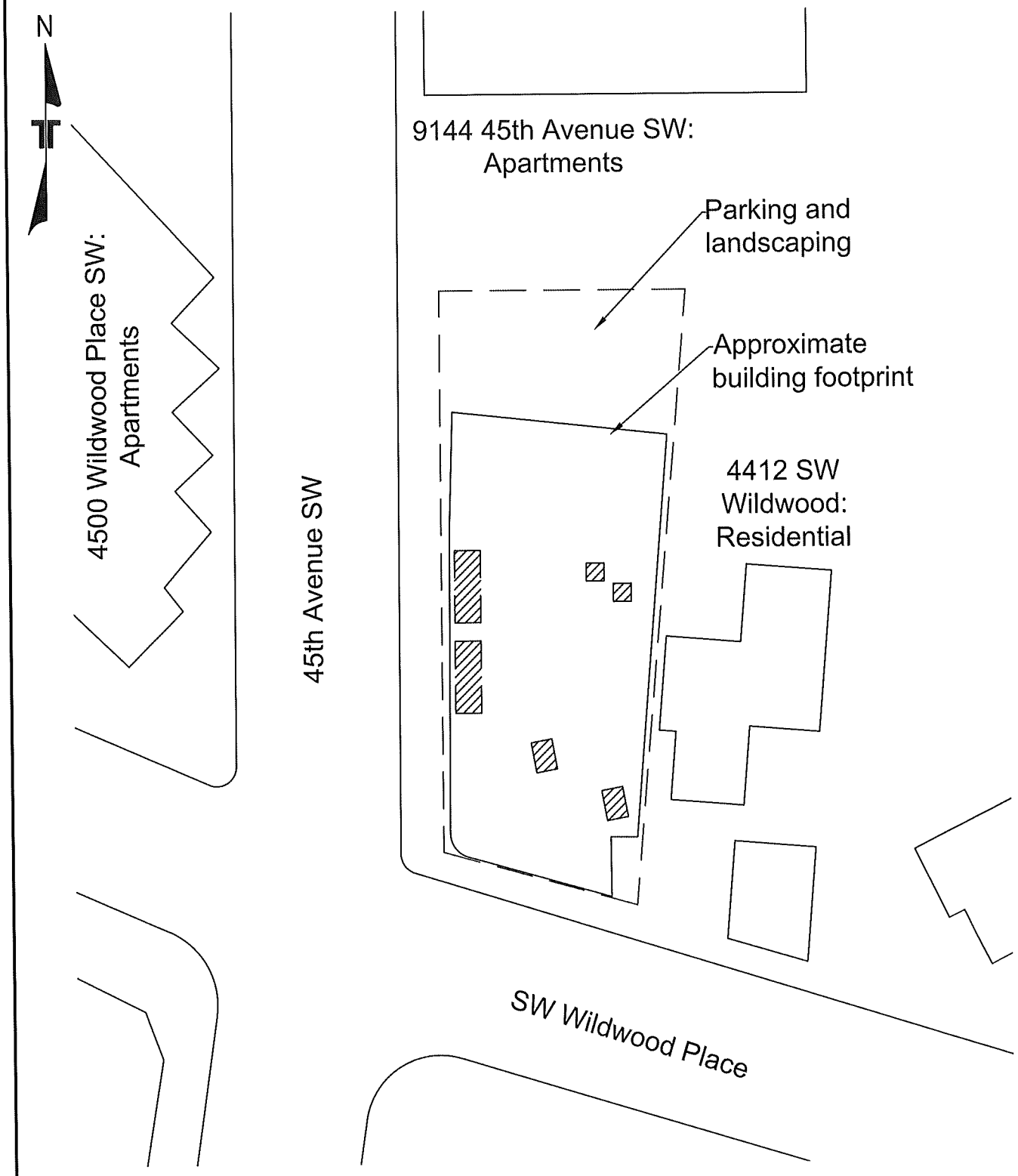


LEGEND:

——————— Approximate site boundary

USGS Topographic Map, Seattle South Quadrangle, 1983

Project Mngr: TAH Drawn By: EMP Checked By:	Project No. 81137815 Scale: Not to scale File No.	Terracon Consulting Engineers and Scientists	**Topographic Map** Endolyne Apartments Seattle, King County, Washington	FIG. No.



LEGEND:

Approximate site boundary

Approximate historical tank locations

Project Mngr: TAH Drawn By: EMP Checked By:	Project No. 81137815 Scale: Not to scale File No.	Terracon Consulting Engineers and Scientists	**Site Diagram** Endolyne Garden Seattle, King County, Washington	FIG. No.

APPENDIX B

Description of Terms and Acronyms

Description of Selected General Terms and Acronyms

Term/Acronym	Description
ACM	Asbestos Containing Material. Asbestos is a naturally occurring mineral, three varieties of which (chrysotile, amosite, crocidolite) have been commonly used as fireproofing or as binding agents in construction materials. Inhalation of asbestos fibers has been documented to cause asbestosis (scarring of the lung), lung cancer, and mesothelioma (a cancer of the chest wall lining). Most Federal and State agencies define ACM as a material containing more that one (1) percent asbestos, although some states, such as California, define ACM as material containing 0.1% or more asbestos. In order to determine the ACM status of suspect building materials, a minimum number of samples must be collected and analyzed, depending on the type and quantity of the suspect material. A suspect material can only be confirmed as non-ACM when analytical results of all required samples are below applicable regulatory limits. Asbestos concentrations are generally determined using polarized light microscopy or transmission electron microscopy. An asbestos containing material may be classified as either friable or non-friable. Friable materials are those that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure. Non-friable ACM are materials in which the asbestos fibers are more firmly bound in a matrix of tar, plastic or other such material, and which have a lower potential for asbestos fiber release. Federal and State regulations require that that an asbestos survey be performed prior to renovation, dismantling, demolition or other activities that may disturb suspect or confirmed ACM unless such materials are removed as ACM prior to planned disturbances. ACM removal may also be required if confirmed ACM becomes damaged, or if renovation or demolition activities could result in damage to confirmed or suspect ACM. Depending upon the quantity, notification to Federal or State regulatory agencies may be required prior to ACM removal (abatement) operations. Abatement of friable or potentially friable ACM must be performed by a licensed abatement contractor in accordance with applicable federal, state, or local regulations. OSHA worker protection regulations will also apply.
AHERA	Asbestos Hazard Emergency Response Act
AST	Above Ground Storage Tanks. ASTs are generally described as storage tanks less than 10% of which are below ground (i.e., buried). Tanks located in a basement, but not buried, are also considered ASTs. Whether, and the extent to which, an AST is regulated, is determined on a case-by-case basis and depends upon tank size, its contents and the jurisdiction of its location.
AULs	Activity and Use Limitations
BGS	Below Ground Surface
BTEX	Benzene, Toluene, Ethyl benzene, and Xylenes. BTEX are VOC components found in gasoline and commonly used as analytical indicators of a petroleum hydrocarbon release.
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act (a.k.a. Superfund). CERCLA is the federal act that regulates abandoned or uncontrolled hazardous waste sites. Under this Act, joint and several liability may be imposed on potentially responsible parties for cleanup-related costs.
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System. An EPA compilation of sites having suspected or actual releases of hazardous substances to the environment. CERCLIS also contains information on site inspections, preliminary assessments and remediation of hazardous waste sites. These sites are typically reported to EPA by states and municipalities or by third parties pursuant to CERCLA Section 103.
CFR	Code of Federal Regulations
CESQG	Conditionally exempt small quantity generators.
DOT	U.S. Department of Transportation
EPA	U.S. Environmental Protection Agency
ERNS	Emergency Response Notification System. An EPA-maintained federal database which stores information on notifications of oil discharges and hazardous substance releases in quantities greater than the applicable reportable quantity under CERCLA. ERNS is a cooperative data-sharing effort between EPA, DOT, and the National Response Center.
ESA	Environmental Site Assessment

Description of Terms and Acronyms (cont.)

Term/Acronym	Description
FRP	Fiberglass Reinforced Plastic
Hazardous Substance	As defined under CERCLA, this is (A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title; (C) any hazardous waste having characteristics identified under or listed pursuant to section 3001 of the Solid Waste Disposal Act (with some exclusions); (D) any toxic pollutant listed under section 1317(a) of Title 33; (E) any hazardous air pollutant listed under section 112 of the Clear Air Act; and (F) any imminently hazardous chemical substance or mixture with respect to which the EPA Administrator has taken action under section 2606 of Title 15. This term does not include petroleum, including crude oil or any fraction thereof which is not otherwise listed as a hazardous substance under subparagraphs (A) through (F) above, and the term does not include natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).
Hazardous Waste	This is defined as having characteristics identified or listed under section 3001 of the Solid Waste Disposal Act (with some exceptions). RCRA, as amended by the Solid Waste Disposal Act of 1980, defines this term as a "solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may (A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed."
IC / EC	Industrial Controls / Engineering Controls
ILP	Innocent Landowner Program
IOP	Innocent Owner/Operator Program
LQG	Large quantity generators.
LUST	Leaking Underground Storage Tank. This is a federal term set forth under RCRA for leaking USTs. Some states also utilize this term.
MCL	Maximum Contaminant Level. This Safe Drinking Water concept (and also used by many states as a groundwater cleanup criteria) refers to the limit on drinking water contamination that determines whether a supplier can deliver water from a specific source without treatment.
MSDS	Material Safety Data Sheets. Written/printed forms prepared by chemical manufacturers, importers and employers which identify the physical and chemical traits of hazardous chemicals under OSHA's Hazard Communication Standard.
NESHAP	National Emissions Standard for Hazardous Air Pollutants (Federal Clean Air Act). This part of the Clean Air Act regulates emissions of hazardous air pollutants.
NFRAP	Facilities where there is "No Further Remedial Action Planned," as more particularly described under the Records Review section of this report.
NGVD	National Geodetic Vertical Datum
NOV	Notice of Violation. A notice of violation or similar citation issued to an entity, company or individual by a state or federal regulatory body indicating a violation of applicable rule or regulations has been identified.
NPDES	National Pollutant Discharge Elimination System (Clean Water Act). The federal permit system for discharges of polluted water.
NPL	National Priorities List, as more particularly described under the Records Review section of this report.
OSHA	Occupational Safety and Health Administration or Occupational Safety and Health Act
PACM	Presumed Asbestos-Containing Material. A material that is suspected of containing or presumed to contain asbestos but which has not been analyzed to confirm the presence or absence of asbestos.
PCB	Polychlorinated Biphenyl. A halogenated organic compound commonly in the form of a viscous liquid or resin, a flowing yellow oil, or a waxy solid. This compound was historically used as dielectric fluid in electrical equipment (such as electrical transformers and capacitors, electrical ballasts, hydraulic and heat transfer fluids), and for numerous heat and fire sensitive applications. PCB was preferred due to its durability, stability (even at high temperatures), good chemical resistance, low volatility, flammability, and conductivity. PCBs, however, do not break down in the environment and are classified by the EPA as a suspected carcinogen. 1978 regulations, under the Toxic Substances Control Act, prohibit manufacturing of PCB-containing equipment; however, some of this equipment may still be in use today.
pCi/l	picoCuries per Liter of Air. Unit of measurement for Radon and similar radioactive materials.
PLM	Polarized Light Microscopy (see ACM section of the report, if included in the scope of services)

Description of Terms and Acronyms (cont.)

Term/Acronym	Description
PST	Petroleum Storage Tank. An AST or UST that contains a petroleum product.
Radon	A radioactive gas resulting from radioactive decay of naturally-occurring radioactive materials in rocks and soils containing uranium, granite, shale, phosphate, and pitchblende. Radon concentrations are measured in picoCuries per Liter of Air. Exposure to elevated levels of radon creates a risk of lung cancer; this risk generally increases as the level of radon and the duration of exposure increases. Outdoors, radon is diluted to such low concentrations that it usually does not present a health concern. However, radon can accumulate in building basements or similar enclosed spaces to levels that can pose a risk to human health. Indoor radon concentrations depend primarily upon the building's construction, design and the concentration of radon in the underlying soil and groundwater. The EPA recommended annual average indoor "action level" concentration for residential structures is 4.0 pCi/l.
RCRA	Resource Conservation and Recovery Act. Federal act regulating solid and hazardous wastes from point of generation to time of disposal ("cradle to grave"). 42 U.S.C. 6901 et seq.
RCRA Generators	The RCRA generators list is part of the RCRIS database maintained by EPA and lists facilities that generate hazardous waste as part of their normal business operations, as more particularly defined under Section 5.0 of this report.
RCRA CORRACTS/TSDs	The USEPA maintains a database of RCRA facilities associated with treatment, storage, and disposal (TSD) of hazardous materials, which are undergoing "corrective action". A "corrective action" order is issued when there is a release of hazardous waste or constituents into the environment from a RCRA facility.
RCRA Non-CORRACTS/TSDs	The RCRA Non-CORRACTS/TSD Database is a compilation by the USEPA of facilities, which report storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS/TSD database, the RCRA Non-CORRACTS/TSD database does not include RCRA facilities where corrective action is required.
RCRA Violators List	RAATS. RCRA Administrative Actions Taken. RAATS information is now contained in the RCRIS database and includes records of administrative enforcement actions against facilities for noncompliance.
RCRIS	Resource Conservation and Recovery Information System, as defined in the Records Review section of this report.
REC	Recognized Environmental Conditions are defined by ASTM E 1527-05 as "the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property." The term includes hazardous substances or petroleum products even under conditions of compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to the public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.
SCL	State "CERCLIS" List (see SPL /State Priority List, below).
SPCC	Spill Prevention, Control and Countermeasures. SPCC plans are required under federal law (Clean Water Act and Oil Pollution Act) for any facility storing petroleum in tanks and/or containers of 55-gallons or more that when taken in aggregate exceed 1,320 gallons. SPCC plans are also required for facilities with underground petroleum storage tanks with capacities of over 42,000 gallons. Many states have similar spill prevention programs, which may have additional requirements.
SPL	State Priority List. State list of confirmed sites having contamination in which the state is actively involved in clean up activities or is actively pursuing potentially responsible parties for clean up. Sometimes referred to as a State "CERCLIS" List.
SQG	Small quantity generators.
SWF	Solid Waste Facility. Landfills listed by a state database.
TPH	Total Petroleum Hydrocarbons
TRI	Toxic Release Inventory. Routine EPA report on releases of toxic chemicals to the environment based upon information submitted by entities subject to reporting under the Emergency Planning and Community Right to Know Act.
TSCA	Toxic Substances Control Act. A federal law regulating manufacture, import, processing and distribution of chemical substances not specifically regulated by other federal laws (such as asbestos, PCBs, lead-based paint and radon). 15 U.S.C 2601 et seq.
USACE	United States Army Corps of Engineers

Description of Terms and Acronyms (cont.)

Term/Acronym	Description
USC	United States Code
USGS	United States Geological Survey
USNRCS	United States Department of Agriculture-Natural Resource Conservation Service
UST	Underground Storage Tank. Most federal and state regulations, as well as ASTM E 1527-05, define this as any tank, incl., underground piping connected to the tank, that is or has been used to contain hazardous substances or petroleum products and the volume of which is 10% or more beneath the surface of the ground (i.e., buried).
VCP	Voluntary Cleanup Program
VOC	Volatile Organic Compound
Wetlands	Areas that are typically saturated with surface or groundwater that creates an environment supportive of wetland vegetation (i.e., swamps, marshes, bogs). The Corps of Engineers Wetlands Delineation Manual (Technical Report Y-87-1) defines wetlands as areas inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. For an area to be considered a jurisdictional wetland, it must meet the following criteria: more than 50 percent of the dominant plant species must be categorized as Obligate, Facultative Wetland, or Facultative on lists of plant species that occur in wetlands; the soil must be hydric; and, wetland hydrology must be present. The federal Clean Water Act which regulates "waters of the US," also regulates wetlands, a program jointly administered by the USACE and the EPA. Waters of the U.S. are defined as: (1) waters used in interstate or foreign commerce, including all waters subject to the ebb and flow of tides; (2) all interstate waters including interstate wetlands; (3) all other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, etc., which the use, degradation, or destruction could affect interstate/ foreign commerce; (4) all impoundments of waters otherwise defined as waters of the U. S., (5) tributaries of waters identified in 1 through 4 above; (6) the territorial seas; and (7) wetlands adjacent to waters identified in 1 through 6 above. Only the USACE has the authority to make a final wetlands jurisdictional determination.

Description of Terms and Acronyms (cont.)

Washington Term/Acronym	Description
HSL	The Washington Department of Ecology (WDOE) maintains a listing of state equivalent NPL sites which have been assessed and ranked using the Washington Ranking Method (WARM.)
CSCSL	The WDOE maintains a municipal listing of state equivalent CERCLIS sites where contamination of soil and/or ground water is confirmed at levels greater than the applicable cleanup criteria or standards.
SWF/LF	State and/or Tribal database of solid waste facilities located within Washington. The database information may include the facility name, class, operation type, area, estimated operational life, and owner.
LUST	State and/or Tribal database of leaking underground storage tanks in the state of Washington.
UST	State and/or Tribal database of registered storage tanks in the State of Washington which may include the owner and location of the tanks.
IC	Sites that have institutional controls.
VCP	State and/or Tribal facilities included as Voluntary Cleanup Program sites.

APPENDIX C

Historical Documentation

LEGEND:

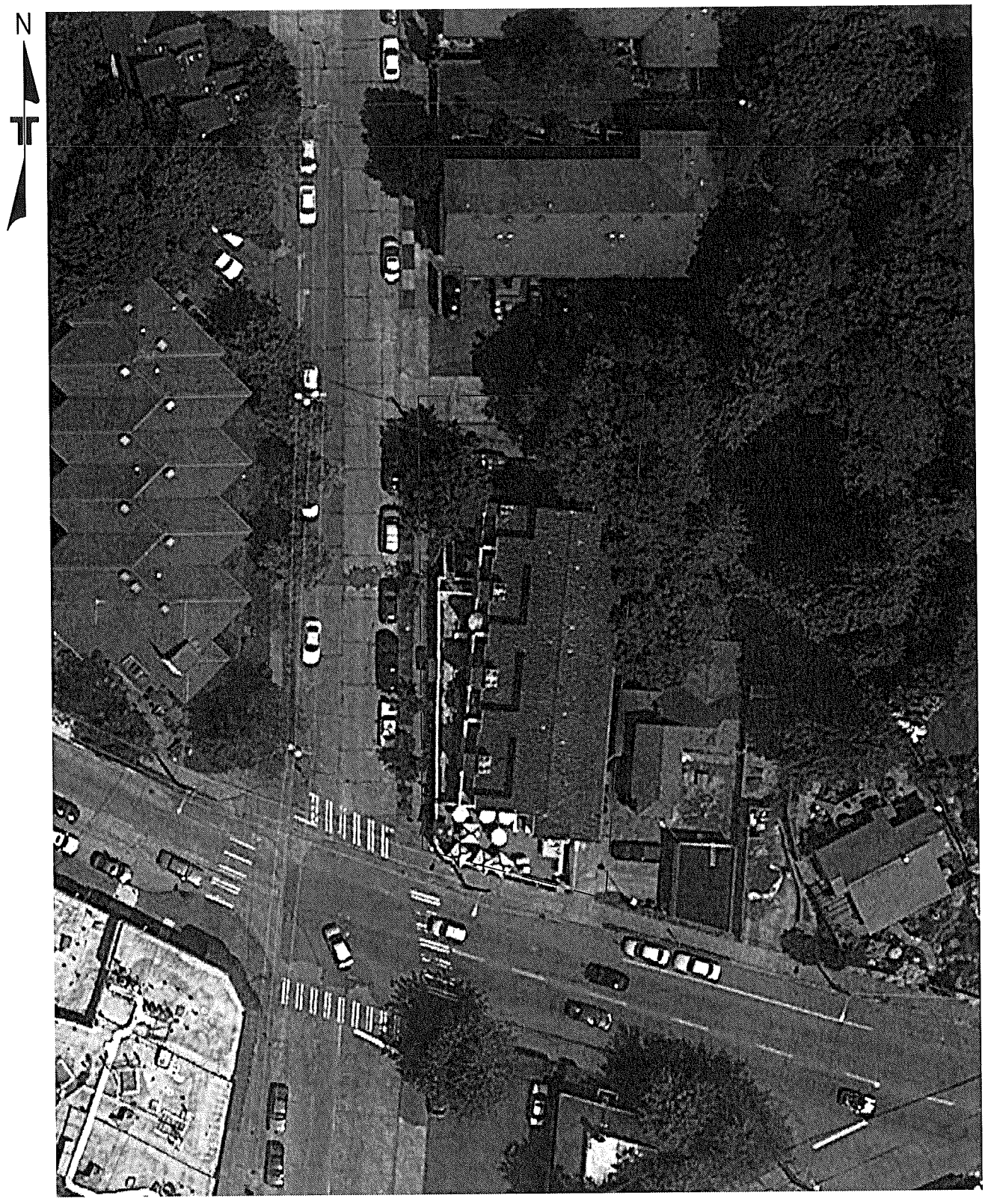
——— ——— Approximate site boundary

Project Mngr: TAH	Project No. 81137815	Terracon Consulting Engineers and Scientists	**1936 Aerial Photograph**	FIG. No.
Drawn By: EMP	Scale: Not to scale		Endolyne Garden	
Checked By:	File No.		Seattle, King County, Washington	

LEGEND:

——— ——— Approximate site boundary

Project Mngr: TAH Drawn By: EMP Checked By:	Project No. 81137815 Scale: Not to scale File No.	Terracon Consulting Engineers and Scientists	**1970 Aerial Photograph** Endolyne Garden Seattle, King County, Washington	FIG. No.



LEGEND:

——— ——— Approximate site boundary

Project Mngr: TAH	Project No. 81137815	Terracon Consulting Engineers and Scientists	**2012 Aerial Photograph**	FIG. No.
Drawn By: EMP	Scale: Not to scale		Endolyne Garden	
Checked By:	File No.		Seattle, King County, Washington	

Endolyne Garden
9212 45th Ave SW
Seattle, WA 98136

Inquiry Number: 3786688.5
November 15, 2013

EDR LoanCheck® Sanborn Image Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR LoanCheck® Sanborn Image

11/15/13

Site Name:
Endolyne Garden
9212 45th Ave SW
Seattle, WA 98136

EDR Inquiry # 3786688.5

EDR® Environmental Data Resources Inc

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Certified Sanborn Results:

Site Name:	Endolyne Garden
Address:	9212 45th Ave SW
City, State, Zip:	Seattle, WA 98136
Cross Street:	
P.O. #	2372
Project:	13-012451-01-1
Certification #	5B68-4E62-9737

Sanborn® Library search results
Certification # 5B68-4E62-9737

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- ☑ University Publications of America
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GEOTECH
CONSULTANTS

13256 N.E. 20th St. (Northup Way), Suite 16
Bellevue, WA 98005
(206) 747-5618
(206) 343-7959

September 5, 1989

JN 88199

Department of Construction and Land Use
600 4th Avenue
Seattle, Washington 98104

Attention: Ms. Faith Lumsden
Land Use Specialist

Subject: Removal of Underground Storage Tanks
14 - Unit Apartment Building
9212 45th Avenue S.W.
Permit No. 645073
Seattle, Washington

Dear Ms. Lumsden:

We are submitting this letter in response to your request for documentation in regard to the removal of underground storage tanks at the subject site. It is our understanding that all work has been stopped at the site by the Department of Construction and Land Use (DCLU). The purpose of this letter and the attached laboratory results is to provide you with acceptable documentation of the chemical testing related to the removed tanks, and the actions taken to remediate any soil contaminated at concentrations above the current Washington State Department of Ecology (WDOE) guidelines for underground storage tank removal.

A total of six underground storage tanks were encountered and removed over a period of about two months during construction activities at the site. The following actions were taken to remove the tanks and remediate any contaminated soil:

* Two oil storage tanks were removed from the northern portion of the site. Table A presents the results of the analyses performed on soil samples taken from the sidewalls and bottom of the tank excavations. As the results suggest, soil around the western-most tank contained total petroleum hydrocarbons (TPH) at concentrations above the current WDOE standard of 200 parts per million (ppm). As noted in Table A, the residual concentrations of petroleum hydrocarbons in the soil near the eastern-most tank of this group were well below the 200ppm guideline.

* In order to comply with the current WDOE guidelines, approximately five cubic yards of contaminated soil was removed from the western-most tank excavation and disposed of at the Cedar Hills landfill. As indicated by the results in Table B, the concentrations of petroleum hydrocarbons remaining in the excavation following removal of the contaminated soil were well below the 200ppm guideline.

* Two gasoline storage tanks were excavated and removed from the western portion of the subject site. The results of the analyses conducted in association with removal of these tanks are presented in Table C and illustrate that the benzene, toluene, ethylbenzene, and total xylene (BTEX) levels were below the current WDOE guidelines for these compounds.

* Two additional gasoline storage tanks were removed from the southern portion of the site. The results of the analyses conducted in association with these tanks are presented in Table D. These results also illustrate that the BTEX concentrations were below those prescribed by the WDOE.

Based on the information developed thus far, it is our professional opinion that following the excavation and removal of the six tanks, and the soil remediation documented in this letter, conditions of the remaining soil in the vicinity of the removed tanks are compliant with prevailing guidelines of the WDOE. We trust that this letter and the attached laboratory results present adequate documentation so that the stop work order may be lifted from construction activities at the subject site.

Limitations

This letter has been prepared for specific application to this project in a manner consistent with that level of care and skill normally exercised by members of the environmental science profession currently practicing under similar conditions in the area. This letter is for the exclusive use of Seattle Department of Construction and Land Use, Washington Department of Ecology, General Pacific Construction, and their representatives. No other warranty, either expressed or implied, is made. If new information is developed in future site work which may include

excavations, borings, studies, etc., Geotech Consultants, Inc. should be allowed to reevaluate the conclusions of this letter and to provide amendments as required.

If you have any questions regarding this letter please do not hesitiate to contact us.

Respectfully submitted,

GEOTECH CONSULTANTS, INC.

Marc R. McGinnis
Environmental Engineer

cc: Joe Hickey, Washington State Department of Ecology

Attachments

TABLE A

Sample Location	Total Petroleum Hydrocarbons (ppm)
Western-most Tank (Oil)	
-Bottom of excavation	1,150
-West wall of excavation	890
Eastern-most Tank (Oil)	
-Bottom of excavation	<5
-South wall of excavation	94

NOTES:
(1) Analytical Methodology: EPA Method 418.1
(2) 200ppm maximum allowable under current WDOE guidelines

TABLE B

Sample Location	Total Petroleum Hydrocarbons (ppm)
Western-most Tank (Oil) -Bottom of excavation following removal of contaminated soil	<5

NOTES:
(1) Analytical Methodology: EPA Method 418.1
(2) 200ppm maximum allowable under current WDOE guidelines

TABLE C

Sample Location	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Total Xylene (ppb)
Fill soil above tanks	<1	100	1,300	12,900
Soil between the ends of the tanks	<1	<50	40	2,800
East wall of the excavation	<1	<1	<1	<1
Excavated soil	<1	<1	<1	<1

NOTES:
(1) Analytical Methodology: EPA Method 8020
(2) Maximum concentrations in soil per current WDOE guidelines:
benzene - 660 parts per billion (ppb)
toluene - 143,000ppb
ethylbenzene - 14,000ppb
no current guidelines for total xylene

TABLE D

Sample Location	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Total Xylene (ppb)
Eastern-most Tank (bottom of tank excavation)	<1	<1	<1	<1
Western-most Tank (bottom of tank excavation) of excavation	<1	<1	<1	6

NOTES:
(1) Analytical Methodology: EPA Method 8020
(2) Maximum concentrations in soil per current WDOE guidelines:
benzene - 660ppb
toluene - 143,000ppb
ethylbenzene - 14,000ppb
no current guidelines for total xylene

December 5, 1989

JN 88199

Fauntleroy Associates
c/o General Pacific Constructors, Inc.
P.O. Box 13056
Seattle, Washington 98114

Attn: Mr. Leon Cohen

Subject: CLOSURE REPORT: Underground Storage Tanks
14-Unit Apartment Building
9212-45th Avenue Southwest
Seattle, Washington

Gentlemen:

In response to your request, the Environmental Services Division of Geotech Consultants, Inc. has completed field observation, documentation, and laboratory analyses associated with formal "closure" of the underground storage tanks (USTs) at the subject site. This activity was initiated to satisfy regulatory requirements imposed under 40 CFR, part 280.72 pertaining to site assessment at the time of closure. This report summarizes our approach to the project along with laboratory results and our tentative conclusions.

METHODOLOGY/SCOPE OF WORK

On several occasions between July 17 and August 18, 1989 an environmental engineer/hydrogeologist from Geotech Consultants, Inc., was present at the subject site to document the removal of six USTs.

Prior to each removal, the tank was conditioned in a manner consistent with guidelines offered for such work in API Recommended Practice 1604 (Removal and Disposal of Underground Petroleum Storage Tanks), and API Publication 2015. A representative of the Seattle Fire Department was present immediately prior to each tank removal to verify that any flammable vapors present in the UST had been inerted. The excavation and tank removal was performed using a large trackhoe under subcontract to General Pacific Constructors. Northwest Enviroservice, Inc. inerted the tanks and disposed of them off-site.

Objectives for our site visits included:

(1) Documentation of the condition of the USTs along along with soil appearance in the tank excavation.

(2) Sampling of soil for subsequent laboratory analysis.

Soil Sampling

Soil samples were taken from the sides and the bottom of each tank excavation. The samples were immediately placed in sterilized glass jars with teflon sealed lids furnished by the project laboratory. All samples were stored in an ice chest at the site and taken to the lab in this condition in an effort to preserve sample integrity by minimizing excessive dissipation of volatile fraction hydrocarbons. Each jar was clearly labeled as to sampling location, time of sampling, sampling person, project number, etc. EPA recommended protocol for sample management including maintenance of chain of custody documentation was observed during the course of the project.

Laboratory Analysis

The following laboratory test methods were used for analysis of selected samples:

Tank Contents	Analytical Methodology
Oil	IR EPA Method 418.1 for Total Petroleum Hydrocarbons
Gasoline	GC-PID EPA Method 8020 for benzene, toluene, ethylbenzene, and xylene (BTEX)

These analytical methods provided a basis for comparison of site conditions at the time of tank closure to the allowable residual hydrocarbon concentrations at UST sites published in current Washington Department of Ecology guidelines. The detection sensitivity for EPA Methods 418.1 and 8020 on soil samples are on the order of 5 parts per million (ppm) and 1 part per billion (ppb), respectively.

RESULTS OF CLOSURE INVESTIGATION

General Discussion

The site is located immediately northeast of the intersection of Southwest Wildwood Place and 45th Avenue Southwest in

Seattle, Washington. The property was previously occupied by a gasoline service station.

Our understanding of the subsurface soil conditions at the site is based on our observations during tank removal and the results of a previous geotechnical engineering study reported by Geotech Consultants Inc., on July 8, 1988. The soils on the southern half of the site are characterized by native silty sands. The soils on the northern half of the site are silty sand and silt fill soils that were placed some time ago to fill a ravine that crossed the property.

Observations During Tank Removal

A total of six USTs were removed from the site over a period of about one month. The approximate locations of the removed tanks are illustrated on the Tank Location Plan, Plate 1, which is appended to this report. The following table presents the general characteristics of the removed tanks:

Tank	Previous Contents	Date of Removal	Estimated Capacity (gallons)
1	Oil	7/17/89	150
2	Oil	7/17/89	330
3	Gasoline	7/19/89	5,000
4	Gasoline	7/19/89	5,000
5	Gasoline	8/18/89	1,000
6	Gasoline	8/18/89	1,000

All of the removed USTs were steel walled and cylindrical in shape. Tanks 1 through 4 were in good condition at the time of removal. A thorough review of these tanks revealed some corrosion on the outside of the tanks, but no holes, defects, or leaks of any kind. Our personnel were not present to observe the removal of tanks 5 and 6. From discussions with Northwest Enviroservice's representative we learned that these tanks were older than the previous four tanks and were rusted through in several locations. It is our understanding that no liquid was present in the tanks at the time they were interted.

During the excavation and removal of Tanks 1 and 2, no discoloration was observed in the soil. Photographs were

made of the excavation to document this observation. No hydrocarbon vapors were detected during the tank removal activity in either the excavated material or in the walls of the excavation.

Some soil discoloration was observed during the excavation and removal of Tanks 3 and 4. Hydrocarbon vapors were detected in the backfill surrounding Tanks 3 through 6. The remediation of the affected soil surrounding Tanks 3 through 6 is described in the following sub-section. No groundwater was observed at the time of tank removal.

Analysis Results and Soil Remediation

As noted earlier, samples were obtained from the sidewalls and bottom of each tank excavation. Laboratory analyses were conducted on select representative samples from those obtained. The following table provides a summary of the laboratory results for soil samples recovered during the removal of Tanks 1 and 2:

ANALYTICAL RESULTS - TOTAL PETROLEUM HYDROCARBONS
(Tanks 1 and 2 Immediately Following Tank Removal)

Sample Location	Hydrocarbon Concentration (ppm)
Tank 1 - Bottom of Excavation	<5
Tank 1 - South Excavation Wall	94
Tank 2 - Bottom of Excavation	1,150
Tank 2 - West Excavation Wall	890

NOTES:

(1) Analytical Methodology: EPA Method 418.1 using infrared spectrophotometry (IR)
(2) Maximum residual concentration of 200 ppm in soil permitted under current WDOE guidelines

As the above results suggest, soil around Tank 2 contained petroleum hydrocarbons at concentrations above the current Washington State Department of Ecology (WDOE) standard of 200 ppm. The residual petroleum hydrocarbon concentrations in the soil near Tank 1 were well below the 200 ppm guideline.

Following correspondance with the Seattle - King County Department of Public Health, a permit was obtained to allow the disposal of 3 to 5 cubic yards of petroleum contaminated soil from the Tank 2 excavation. Approximately 5 cubic yards of soil composed of the excavated tank bankfill and the affected soil removed from the bottom and sides of the existing excavation were disposed of at the Cedar Hills landfill. Soil samples taken from the Tank 2 excavation following removal of the affected soil revealed petroleum hydrocarbon concentrations of less than 5 ppm. The methodology for this laboratory analysis was also EPA Method 418.1.

As previously discussed, detectable petroleum vapors emanated from the soils excavated during removal of Tanks 3 through 6. As the tanks were known to have been used to store gasoline, the contaminated soils were removed from the excavation and remediated through aeration. The soil was placed on an impervious sheet of plastic and surrounded with soil berms to minimize the risk of contaminating the surrounding soil. The soil bed was frequently tilled to accelerate the rate of dissipation of the volatile hydrocarbons. The following table presents the results of the laboratory analyses for the four storage tank excavations:

ANALYTICAL RESULTS - BTEX
(Excavation of Tanks 3 Through 6)

Sample Location	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Total Xylene (ppb)
TANKS 3 AND 4 (Prior to Soil Aeration):				
Tank 3-Fill soil above the tank	<1	100	1,300	12,900
Soil between the ends of the tanks	<1	<50	40	2,800
Tank 4-East wall of excavation	<1	<1	<1	<1
Tank 4-Fill soil around the tank	<1	<1	<1	<1
TANKS 5 AND 6 (Following Removal of Soil for Aeration):				
Tank 5-Bottom of excavation	<1	<1	<1	6
Tank 6-Bottom of excavation	<1	<1	<1	<1

ANALYTICAL RESULTS - BTEX (continued)

NOTES:

(1) Analytical Methodology: EPA Method 8020 using gas chromatography (GC-PID)
(2) Maximum residual concentrations permitted in soil per current WDOE guidelines:
benzene - 660ppb
toluene - 143,000ppb
ethylbenzene - 14,000ppb
total xylene - no current guideline

As the results presented above suggest, the BTEX concentrations in the soil surrounding Tanks 3 and 4 were below the current WDOE guidelines prior to their on-site aeration. Also, the BTEX concentrations in the residual soils following excavation and removal of Tanks 5 and 6 were well below the current WDOE guidelines for those compounds.

CONCLUSIONS

Based on the information developed as a result of this closure investigation, it would appear that the concentrations of petroleum hydrocarbons/BTEX in the residual soil proximal to the former USTs are below the WDOE guidelines for UST removal. Having satisfied the site assessment requirements of 40 CFR, parts 280.71 and 280.72 in a manner consistent with the guidelines for such actions provided by the WDOE, and having found no residual hydrocarbon contamination exceeding limits prescribed under prevailing regulatory guidelines of this state, we conclude that no further characterization of these tank installations is required and that they have been properly closed in conformance with the intent and purpose of the aforementioned federal and state regulation guidelines.

LIMITATIONS

This report has been prepared for specific application to this project in a manner consistent with that level of care and skill normally exercised by members of the environmental science profession currently practicing under similar conditions in the area. This report is for the exclusive use of Fauntleroy Associates and their representatives. No other warranty, expressed or implied, is made. If new information is developed in future site work which may include

excavations, borings, studies, etc., Geotech Consultants, Inc., should be allowed to reevaluate the conclusions of this report and to provide amendments as required.

We appreciate the opportunity to serve you on this project and we trust that the information provided here will serve your needs. If you have any questions or if we may be of further service, please do not hesitate to contact us.

Respectfully submitted,

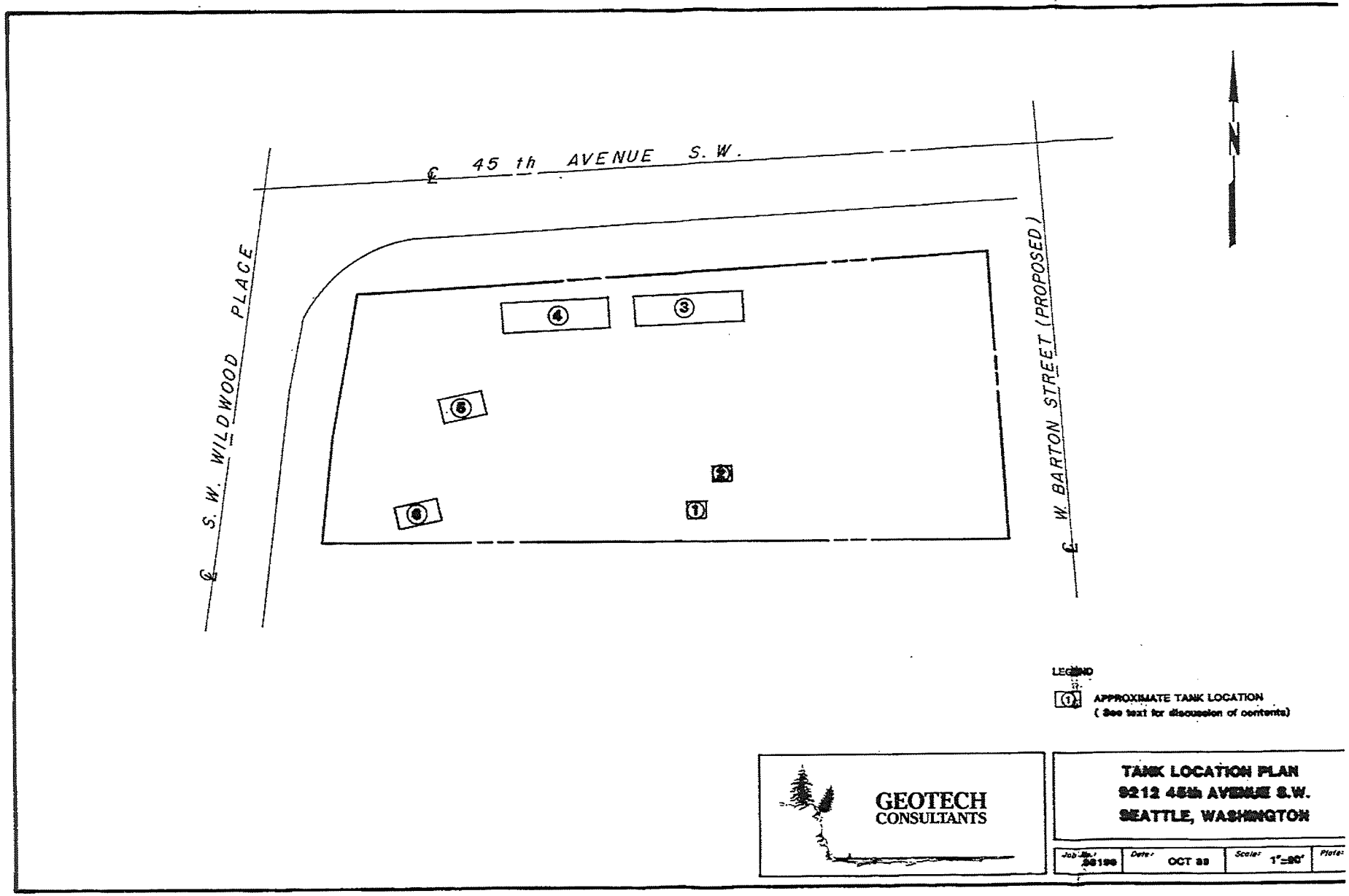
GEOTECH CONSULTANTS, INC.

Marc R. McGinnis
Environmental Engineer

Don W. Spencer, M.Sc.
Director-Environmental Services

Attachment: Tank Location Plan

MRM/DWS:mm



LEGEND

1 APPROXIMATE TANK LOCATION
(See text for discussion of contents)

GEOTECH
CONSULTANTS

TANK LOCATION PLAN
9212 45th AVENUE S.W.
SEATTLE, WASHINGTON

Job No.	Date:	Scale:	Plate:
88196	OCT 88	1"=20'	

SEATTLE FIRE DEPARTMENT

TEMPORARY UNDERGROUND STORAGE TANK REMOVAL/ABANDONMENT PERMIT

JUL 14 1989

RECEIPT# 1425668 / 7-17-89
DATE RECEIVED / DATE ISSUED

PERMIT CODE: 799 T CODE REFERENCE: 79.113 FEE: $30.00

Firm Name: [illegible] Phone: [illegible]

Firm Address: [illegible]

Job Site: [illegible] SEATTLE

Person in Charge [illegible] Phone:

Number/size of tanks: [illegible]

Product last contained: [illegible]

Type of rinse:

CONDITIONS:

1. TANKS MAY BE REMOVED ONLY AFTER FIRE DEPARTMENT INSPECTION.
2. Two (2) 20 BC portable fire extinguishers are to be on site within 50' of the operation.
3. Rope or ribbon barricades must be provided circling 10' from the operation or be enclosed in a fenced yard.
4. "No Smoking" signs must be posted in readily visible locations.
5. No hot works allowed unless the tanks are certified gas free. A separate Fire Department permit (Code 491) is required for cutting and welding operations.

PROCEDURES:

1. Call 386-1450, 24 hours prior to removal to arrange for an appointment. Appointments must be confirmed by an Inspector.
2. Permits may cover multiple tanks located at a single inspection area. If additional tanks are to be removed at later dates, separate permits shall be obtained.
3. Additional fees will be charged if inspectors are required to work other than normal business hours. (Normal business hours are 7:30 a.m. to 4:30 p.m.)
4. To ensure tanks are completely free of all flammable or combustible liquids, a receipt or certificate must be on site indicating the tank has been pumped and rinsed with an approved material. Product and rinse water must be disposed of in an approved manner.

NOTICE: IF THE DOCUMENT IN THIS FRAME IS LESS CLEAR THAN THIS NOTICE IT IS DUE TO THE QUALITY OF THE DOCUMENT.

explosion.

Tanks with baffles to prevent movement of liquid (or tanks without baffles larger than 10,000 gallons) must be certified gas free by a Marine Chemist or a Petroleum Industry Safety Engineer regularly engaged in that business prior to removal.

Tanks must be removed from the ground and relocated to a remote, approved facility at the time that the permit is issued.

After the tanks are removed, the openings should be sealed so the CO_2 gas will remain in the tank during transit. In addition, tanks large enough to allow a person to enter it to do repair work should be marked on one side with spray paint "NO AIR - INERT GAS".

TWO SMALL TANKS EAST SIDE OF SITE, OK'D FOR REMOVAL ≥ 60% CO2. TWO LARGE TANKS ADJACENT TO 45 AVE S.W., NEED BETTER ACCESS FOR ACCURATE READING. (SEE SOUND TESTING REQUIRED)

SEATTLE FIRE DEPARTMENT

[illegible]

[illegible]

SOUND TESTING, INC.
P.O. BOX 16204 SEATTLE, WA
(206) 932-0206

MARINE CHEMIST CERTIFICATE

SERIAL NO.

Survey Requested by | Vessel Owner or Agent | Date

Vessel | Type of Vessel | Gross Tonnage of Vessel

Last Three (3) Cargoes | Last Washed | Time Space Considered

GASOLINE CAL TK
WASTE OIL TK
NORTH AFT DIESEL GAS TK
SOUTH AFT DIESEL GAS TK

LESS THAN 2% LEL
INERTED WITH CARBON DIOXIDE
MAY BE SAFELY EXCAVATED AND TRANSPORTED ON PUBLIC HIGHWAYS
TAKE CARE TO PREVENT MOVEMENT DURING EXCAVATION
TANK VENTS COVERED AND PLUGGED
TANKTOPS MUST BE EXPOSED AND VENT PIPES REMOVED
FREON OR CO2 CAN BE INTRODUCED

In the event of any physical or atmospheric changes adversely affecting the gas-free condition of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist.

QUALIFICATIONS: Transfer of ballast or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments subject to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or reissue of Certificate for the spaces so affected. All lines, vents, heating coils, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated.

STANDARD SAFETY DESIGNATIONS

SAFE FOR WORKERS: [illegible]

NOT SAFE FOR WORKERS: [illegible]

SAFE FOR HOT WORK: Means that in the compartment so designated, (a) oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces or where external hot work is to be performed, and that, (b) the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit, and that, (c) the residues are not capable of producing a higher concentration than permitted by (b) above under existing atmospheric conditions in the presence of fire, and while maintained as directed on the Marine Chemist's Certificate, and further, that (d) all adjacent spaces have been cleaned sufficiently to prevent the spread of fire, or are satisfactorily inerted, or, in the case of fuel tanks, or lube oil tanks, or engine room or fire room bilges, have been treated in accordance with the Marine Chemist's requirements.

NOT SAFE FOR HOT WORK: [illegible]

SAFE FOR REPAIR YARD EXTRA: [illegible]

CHEMIST'S COMMENTS: [illegible] in accordance with NFPA 306, 1980 Control of Gas [illegible]

Signed | Date | Signed | Certificate No.

VESSEL POSTING

NOTICE: IF THE DOCUMENT IN THIS FRAME IS LESS CLEAR THAN THIS NOTICE IT IS DUE TO THE QUALITY OF THE DOCUMENT.

SEATTLE FIRE DEPARTMENT

TEMPORARY UNDERGROUND STORAGE TANK REMOVAL/ABANDONMENT PERMIT

RECEIPT# 142134 JUL 6 1989 / 7-14-89
DATE RECEIVED DATE ISSUED

PERMIT CODE: 799 T CODE REFERENCE: 79.113 FEE: $30.00

Firm Name: General Pacific Const Phone: 329-0050

Firm Address: 1625 S. Jackson P.O. Box 3056 Seattle, 98114

Job Site: 9212 45th Ave S.W. Seattle

Person in Charge Don Hayes / Curtis Wells Phone: 329-0050

Number/size of tanks: 2 Gas Tanks - 2 Oil Tanks

Product last contained: Gasoline Oil

Type of rinse: Enviro Services to determine

CONDITIONS:

1. TANKS MAY BE REMOVED ONLY AFTER FIRE DEPARTMENT INSPECTION.
2. Two (2) 20 BC portable fire extinguishers are to be on site within 50' of the operation.
3. Rope or ribbon barricades must be provided circling 10' from the operation or be enclosed in a fenced yard.
4. "No Smoking" signs must be posted in readily visible locations.
5. No hot works allowed unless the tanks are certified gas free. A separate Fire Department permit (Code 491) is required for cutting and welding operations.

PROCEDURES:

1. Call 386-1450, 24 hours prior to removal to arrange for an appointment. Appointments must be confirmed by an Inspector.
2. Permits may cover multiple tanks located at a single inspection area. If additional tanks are to be removed at later dates, separate permits shall be obtained.
3. Additional fees will be charged if inspectors are required to work other than normal business hours. (Normal business hours are 7:30 a.m. to 4:30 p.m.)
4. To ensure tanks are completely free of all flammable or combustible liquids, a receipt or certificate must be on site indicating the tank has been pumped and rinsed with an approved material. Product and rinse water must be disposed of in an approved manner.

NOTICE: IF THE DOCUMENT IN THIS FRAME IS LESS CLEAR THAN THIS NOTICE IT IS DUE TO THE QUALITY OF THE DOCUMENT.

5. To ensure that the tank atmosphere has been inerted, one (1) pound of dry ice (Carbon Dioxide) per 50-gallon capacity of the tank must be inserted in the tank. (A 1,000-gallon tank would require 20 pounds of dry ice.)' This should be done prior to the use of heavy equipment for excavating.
   a. Wait a minimum of 60 minutes for dry ice to vaporize. Vapors should begin to show at the fill pipe at this time.
   b. A Fire Marshal's Office Inspector will test with a Carbon Dioxide Tester. When a reading of 60% CO_2 is achieved, tank removal may begin.
   c. CO_2 fire extinguishers or compressed gas are not to be used for inerting purposes. This produces static electricity which may result in an explosion.

6. Tanks with baffles to prevent movement of liquid (or tanks without baffles larger than 10,000 gallons) must be certified gas free by a Marine Chemist or a Petroleum Industry Safety Engineer regularly engaged in that business prior to removal.

7. Tanks must be removed from the ground and relocated to a remote, approved facility on the day that the permit is issued.

8. After the tanks are removed, the openings should be sealed so the CO_2 gas will remain in the tank during transit. In addition, tanks large enough to allow a person to enter it to do repair work should be marked on one side with spray paint "NO AIR - INERT GAS".

TWO TANKS PASSED; TWO CAPACITY TANKS UNABLE TO GET READINGS DUE TO DRY ICE BACKED UP INTO FILL PIPE. (INSPECTOR CHOSE TO RESCHEDULE) PERMIT APPLICATION # NOT PROVIDED AT TIME OF INSPECTION. T-17.

SEATTLE FIRE DEPARTMENT

By _____
Inspector

F2381
(9/88)

NOTICE: IF THE DOCUMENT IN THIS FRAME IS LESS CLEAR THAN THIS NOTICE IT IS DUE TO THE QUALITY OF THE DOCUMENT.

Oct 10 1989

SEATTLE FIRE DEPARTMENT

TEMPORARY UNDERGROUND STORAGE TANK REMOVAL/ABANDONMENT PERMIT

RECEIPT# 143359 — 8/12/89 DATE RECEIVED / 8/12/89 DATE ISSUED

PERMIT CODE: 799 T — CODE REFERENCE: 79.113 — FEE: $30.00

Firm Name: General Pacific — Phone:

Firm Address: 1625 So Jackson St

Job Site: 9213 45th SW

Person in Charge Bob Givens — Phone: 938-5575

Number/size of tanks: 1 @ 10000 gal

Product last contained: Unknown

Type of rinse: Detergent & Hi Pressure water

CONDITIONS:

1. TANKS MAY BE REMOVED ONLY AFTER FIRE DEPARTMENT INSPECTION.
2. Two (2) 20 BC portable fire extinguishers are to be on site within 50' of the operation.
3. Rope or ribbon barricades must be provided circling 10' from the operation or be enclosed in a fenced yard.
4. "No Smoking" signs must be posted in readily visible locations.
5. No hot works allowed unless the tanks are certified gas free. A separate Fire Department permit (Code 491) is required for cutting and welding operations.

PROCEDURES:

1. Call 386-1450, 24 hours prior to removal to arrange for an appointment. Appointments must be confirmed by an Inspector.
2. Permits may cover multiple tanks located at a single inspection area. If additional tanks are to be removed at later dates, separate permits shall be obtained.
3. Additional fees will be charged if inspectors are required to work other than normal business hours. (Normal business hours are 7:30 a.m. to 4:30 p.m.)
4. To ensure tanks are completely free of all flammable or combustible liquids, a receipt or certificate must be on site indicating the tank has been pumped and rinsed with an approved material. Product and rinse water must be disposed of in an approved manner.

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5. To ensure that the tank atmosphere has been inerted, one (1) pound of dry ice (Carbon Dioxide) per 50-gallon capacity of the tank must be inserted in the tank. (A 1,000-gallon tank would require 20 pounds of dry ice.) This should be done prior to the use of heavy equipment for excavating.
   a. Wait a minimum of 60 minutes for dry ice to vaporize. Vapors should begin to show at the fill pipe at this time.

   b. A Fire Marshal's Office Inspector will test with a Carbon Dioxide Tester. When a reading of 60% CO_2 is achieved, tank removal may begin.

   c. CO_2 fire extinguishers or compressed gas are not to be used for inerting purposes. This produces static electricity which may result in an explosion.

6. Tanks with baffles to prevent movement of liquid (or tanks without baffles larger than 10,000 gallons) must be certified gas free by a Marine Chemist or a Petroleum Industry Safety Engineer regularly engaged in that business prior to removal.

7. Tanks must be removed from the ground and relocated to a remote, approved facility on the day that the permit is issued.

8. After the tanks are removed, the openings should be sealed so the CO_2 gas will remain in the tank during transit. In addition, tanks large enough to allow a person to enter it to do repair work should be marked on one side with spray paint **"NO AIR - INERT GAS"**.

100% CO_2 filled on Atmosphere Reading - no Certification

SEATTLE FIRE DEPARTMENT

By F R Kruse FM10/0427
Inspector

F2381
(9/88)

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SEATTLE FIRE DEPARTMENT

TEMPORARY UNDERGROUND STORAGE TANK REMOVAL/ABANDONMENT PERMIT

RECEIPT: 142474 7/18/89 DATE RECEIVED / 7-19-89 DATE ISSUED

PERMIT CODE: 799 T CODE REFERENCE: 79.113 FEE: $30.00

Firm Name: General Pacific Const. Phone: 329-0050

Firm Address: 1635 S. Jackson St. Seattle Wash.

Job Site: 9212 45th S.W. Seattle Wash.

Person in Charge: Curtis Wilfs Phone: 329-0050

Number/size of tanks: 2 ea #4000

Product last contained: Gas

Type of rinse: Water

CONDITIONS: for 7/19/89 @ 10:30 AM

1. TANKS MAY BE REMOVED ONLY AFTER FIRE DEPARTMENT INSPECTION.
2. Two (2) 20 BC portable fire extinguishers are to be on site within 50' of the operation.
3. Rope or ribbon barricades must be provided circling 10' from the operation or be enclosed in a fenced yard.
4. "No Smoking" signs must be posted in readily visible locations.
5. No hot works allowed unless the tanks are certified gas free. A separate Fire Department permit (Code 491) is required for cutting and welding operations.

PROCEDURES:

1. Call 386-1450, 24 hours prior to removal to arrange for an appointment. Appointments must be confirmed by an Inspector.
2. Permits may cover multiple tanks located at a single inspection area. If additional tanks are to be removed at later dates, separate permits shall be obtained.
3. Additional fees will be charged if inspectors are required to work other than normal business hours. (Normal business hours are 7:30 a.m. to 4:30 p.m.)
4. To ensure tanks are completely free of all flammable or combustible liquids, a receipt or certificate must be on site indicating the tank has been pumped and rinsed with an approved material. Product and rinse water must be disposed of in an approved manner.

NOTICE: IF THE DOCUMENT IN THIS FRAME IS LESS CLEAR THAN THIS NOTICE IT IS DUE TO THE QUALITY OF THE DOCUMENT.

TWO TANKS > 60% CO2; OK'D FOR REMOVAL.

L. VANTROJEN, PMO.

NOTICE: IF THE DOCUMENT IN THIS FRAME IS LESS CLEAR THAN THIS NOTICE IT IS DUE TO THE QUALITY OF THE DOCUMENT.

11-18-75

File cum. 12:50

CWH. –

Gene Landry @ 9212 - 45th Av. S.W.

8 Autos. 1 of them blocking one side of availability to gas pumps. Another of above with a "for sale" sign.

No equipment appeared to be inoperative.

owner not in - left card

Towner

1-4-75

OWN. — 9212-45th Av. S.W.

Met with Mr. Gene Landry, Lino Automotive & Service Pit. 932-8052 Zones B.N.

Mr. Landry states he purchased property 15 approx. months ago through Homefinders from Richfield Oil Co.

He has a business license issued 10-1-73 O.K.'d by Preston as an existing service station.

Mr Landry said he came into office in response to a visit (presumably by Don Taylor?) and he said they (this office) would get gasoline pumps (none in at time of purchase) and if he had gas pumps it wasn't entirely necessary to have gas to sale if it were unobtainable.

Mr Landry states now the Oil Co (Arco) has promised gasoline but to date has not delivered any.

D.B.P.

wrote ltr 1-31-71

1-22-75

9212 [redacted] 45th Ave SW

6 Autos in Front

Zoned B IV

Gene Landry

Signs on Gas Pumps

" Sorry no Gas "

Jenes Automotive & Service

932-8052

2-[illegible]-75 Toreson

[illegible]-75

O.K. File awd.

January 31, 1975

Illegal use of premises
at 9212 - 45th Avenue SW
Zoned BH

Mr. Gene Landry
Gene's Automotive & Service
9212 - 45th Avenue SW
Seattle, Washington 98136

Dear Sir:

Recent inspection by this department reveals the above described property is being used for major auto and truck repair. This is in violation of Section 5.1 of Ordinance 86300 (Seattle Zoning Code).

You are hereby ordered to discontinue the above use and clear the premises or to resume operation as a service station with minor repairs as an accessory use by February 26, 1975.

For further information regarding this matter, please call Mr. A. N. Toreson at 583-4300, Monday through Friday, between the hours of 7:30 and 8:30 a.m. or 3:30 and 4:00 p.m.

Very truly yours,

ALFRED HATTY, P.E.
Superintendent of Buildings

by
OSCAR HURD
Chief Building Inspector

AT:ms

2-25-75

OWH. - Inspected above 2-24-75. The autos have been removed [illegible] were parked adjacent to the gas pumps and the "No Gas" signs have been removed. Apparently being used as a gasoline station at this time. Recomend review April 1, 1975

AWT.

7-2-75

Used as a gas station
minor repairs -
Lowered number of cars.
Parked. Gas pumps in use.

Please File

Toreson

~~2-1-75~~ Toreson

2-1-75

O.K. File cmrd.

January 31, 1975

Illegal use of premises
at 9212 - 45th Avenue SW
Zoned RM

Mr. Cena Landry
Cena's Automotive & Service
9212 - 45th Avenue SW
Seattle, Washington 98136

Dear Sir:

Recent inspection by this department reveals the above described property to be being used for motor vehicle sales and repair, which is in violation of Section 23.47 of Ordinance 91200 (Seattle Zoning Code).

You are hereby ordered to discontinue the above use and clear the premises or to remove operation as a nonconforming use with proper repairs as are necessary not by February 24, 1975.

For further information regarding this matter, please call Mr. A. E. Hanson at 545-0480, Monday through Friday, between the hours of 7:30 and 8:30 a.m. or 3:30 and 5:00 p.m.

Very truly yours,

ALFRED HANSON, P.E.
Superintendent of Buildings

by
OSCAR HERD
Chief Building Inspector

AH:mm

2-25-75

O.W.P. — Inspected above
2-24-75. The auto's have
been removed ~~that~~ since
parked adjacent to the gas pump
and the "No Gas" signs have
been removed. Apparently being
used as a gasoline station at the
time. Recomend review April 1, 197

O.W.P.

4-2-75

Used as a gas station
minor repairs -
Lowered number of cars
Parked. Gas pumps in use.

Please File

Toreson

Seattle
Department of Construction and Land Use

Dennis J. McLerran, Director
Charles Royer, Mayor

June 21, 1989

Re: 9212 45th Avenue Southwest
DCLU Project No. 8802992

Mark S. Follett
9677 - 47th Avenue S. W.
Seattle, WA 98136

Dear Mr. Follett:

Thank you for your letter regarding potential hazardous wastes on the referenced site. The Department of Construction and Land Use (DCLU) is aware of the underground gasoline storage tanks at the site. As a condition of project approval, in conjunction with demolition of the former gas station building and removal of the underground storage tanks (USTs), DCLU is requiring professional testing of the surrounding soil and confirmation of its proper disposal. The tests must be performed to State Department of Ecology (DOE) cleanup standards. The nearby ravine will also be cleared of waste and debris from former uses on the site.

As you are aware, DOE has primary responsibility for enforcement of the state's cleanup laws. DCLU has worked closely with DOE to develop construction conditions that allow effective coordination and communication between our two departments. On highly contaminated sites, DCLU has required that a cleanup work plan be filed with DOE prior to issuance of any DCLU permits. On smaller sites, such as the subject gas station, we have required copies of reports prepared for DOE or that independent testing be performed prior to laying of footings and foundations.

0-0-1659

If the image you are viewing is not as clear as this, then the original was a poor document.
DCLU Microfilm Lab 1990

All information on the potentially hazardous materials onsite is available in the Department file (reference project #8802992) at the Land Use Information Counter on the fourth floor of the Municipal Building. Please contact me at 684-8875 if you wish further information.

Sincerely,

DENNIS J. McLERRAN
Director

By: Faith L. Lumsden
FAITH L. LUMSDEN
Land Use Specialist

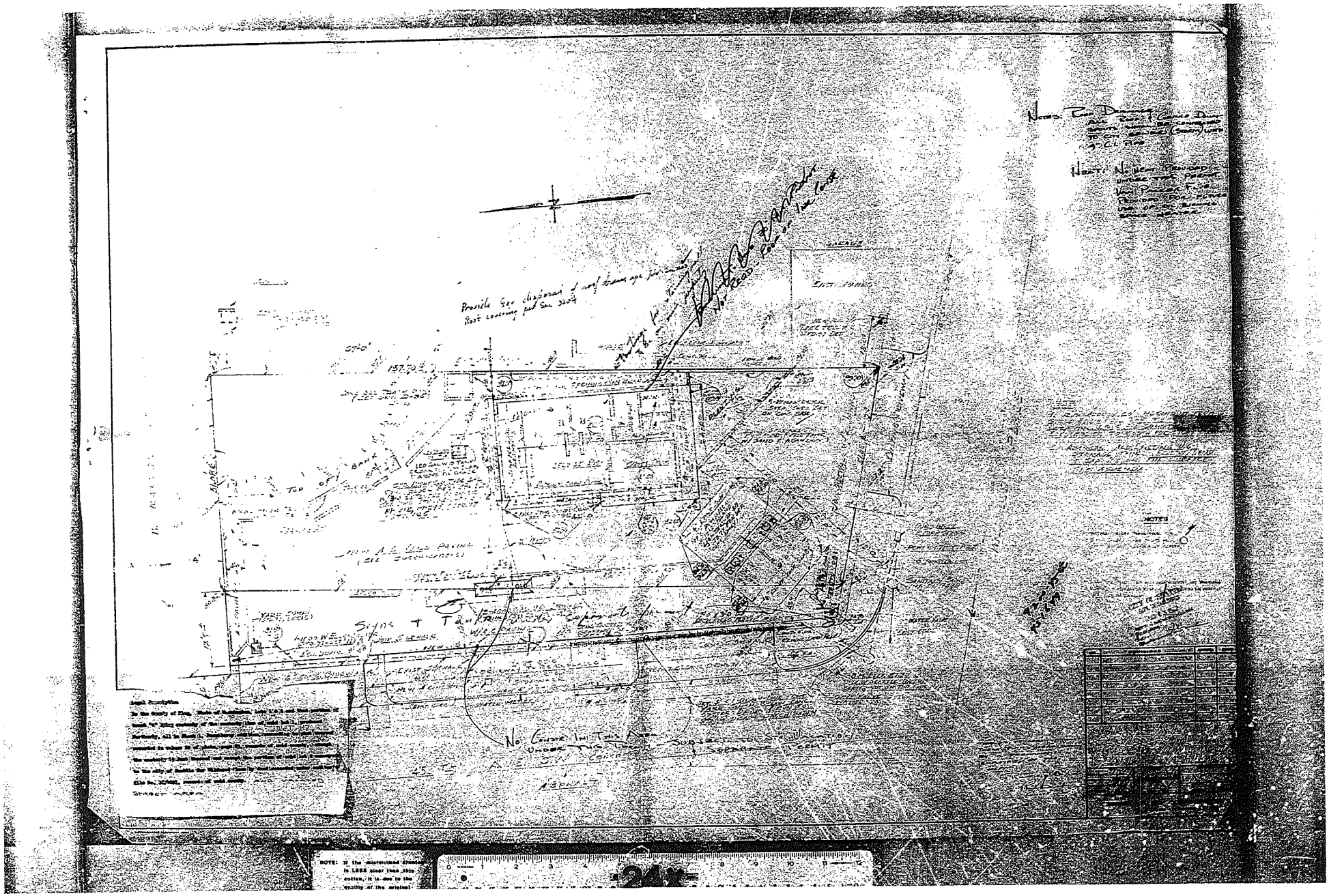
cc: Councilmember Jim Street

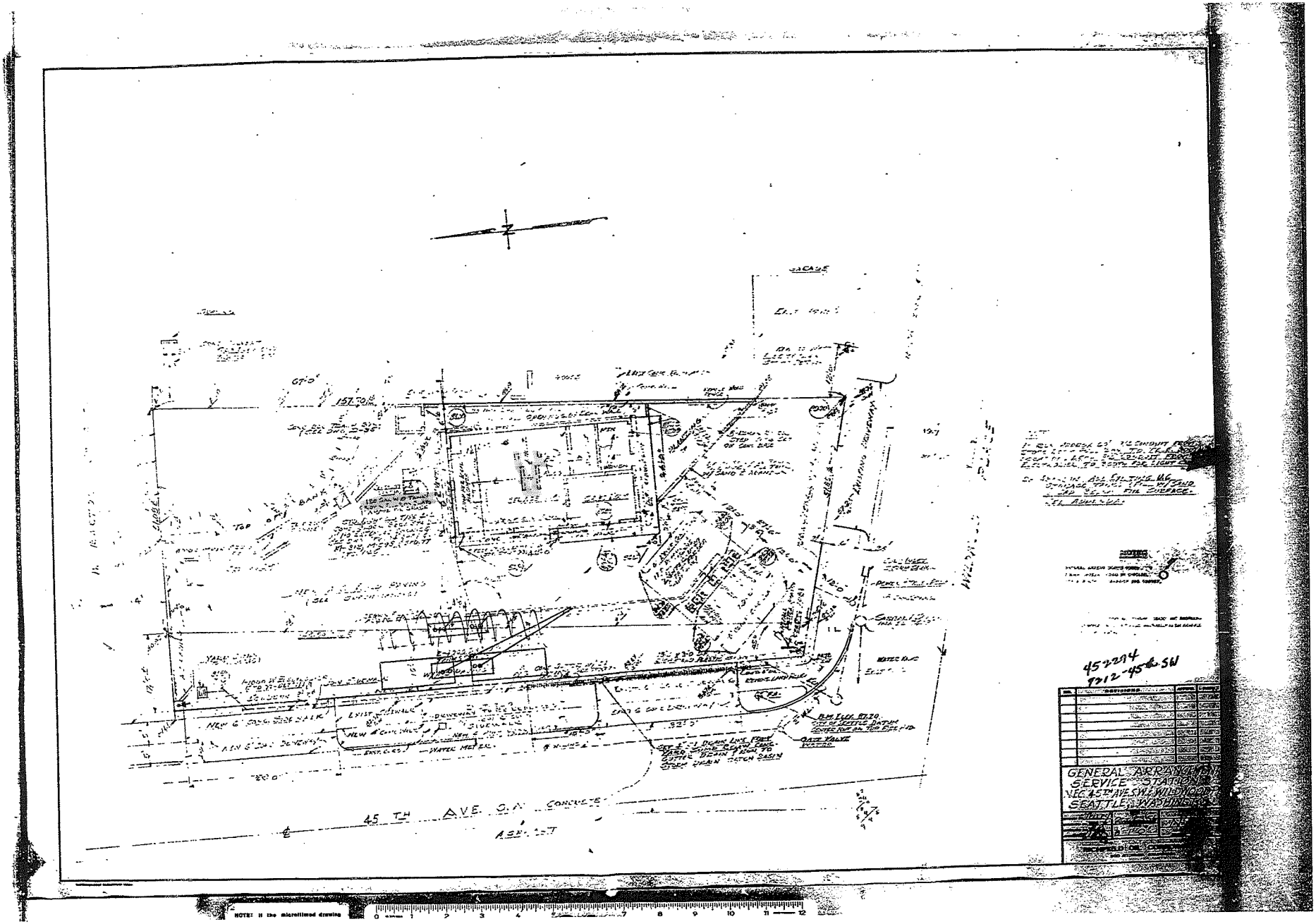
FLL:hv

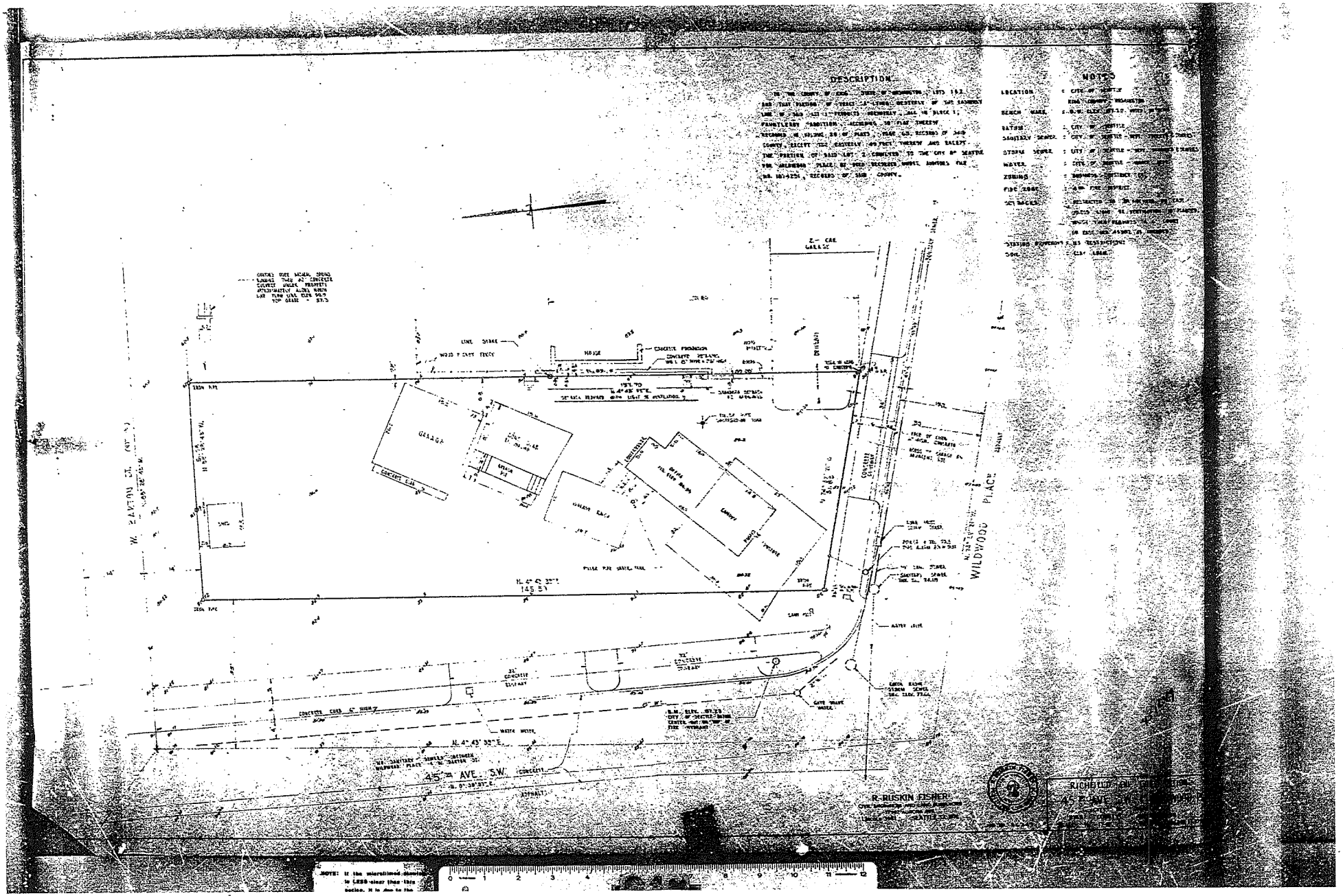
mry2\msf

0-1660

If the image you are viewing is not as clear as this, then the original was a poor document.
DCLU Microfilm lab 1990


Provide for alignment of roof drains
Roof covering per Sec 3004
No Change In This Area
Under This Contract - Subject to Structural Approval
NOTES
NOTE: If the aforenamed dimension is LESS clear than this notice, it is due to the quality of the original
24"


45 TH AVE. S.W.
CONCRETE
ASPH.
GENERAL ARRANGEMENT
SERVICE STATION
NEC. 45TH AVE. SW. & WILDWOOD
SEATTLE, WASHINGTON
NOTE: If the microfilmed drawing


DESCRIPTION
NOTES
W. RAYTON ST.
WILDWOOD PLACE
45TH AVE. S.W.
GARAGE
R. RUSKIN FISHER

Terracon
Consulting Engineers & Scientists

ASTM USER QUESTIONNAIRE

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Relief and Brownfields Revitalization Act of 2001, the user must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete. Failure to provide responses may result in significant data gaps, which may limit our ability to identify recognized environmental conditions. This form represents a type of interview and as such, the user has an obligation to answer all questions in good faith, to the extent of their actual knowledge.

Site Name: ENDOCYNE Apts Site Address: 9212 45th Ave S.W. Seattle 98136

1) Are you aware of any environmental cleanup liens against the site that are filed or recorded under federal, tribal, state or local law (40 CFR 312.25)? X No ___Yes If yes, please explain.

2) Are you aware of any activity and use limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the site and / or have been filed or recorded in a registry under federal, tribal, state of local law.(40 CFR 312.26)? X No ___Yes If yes, please explain.

3) As the user of this ESA, do you have any specialized knowledge or experience related to the site or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the site or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business (40 CFR 312-28)? X No ___Yes If yes, please explain.

4) Does the purchase price being paid for this site reasonably reflect the fair market value of the site? If no, have you considered whether the lower purchase price is because contamination is known or believed to be present at the site (40 CFR 312.29)? ___No X Yes If yes, please explain. YES. FAIR MARKET VALUE NO KNOWN CONTAMINATION

5) Are you aware of commonly known or reasonably ascertainable information about the site that would help the environmental professional to identify conditions indicative of releases or threatened releases (40 CFR 312.30)? X No ___Yes If yes, please explain.

6,) As the user of this ESA, based on your knowledge and experience related to the site, are there any obvious indicators that point to the presence of likely presence of contamination at the site (40 CFR 312.31)? X No ___Yes If yes, please explain.

Request for Information and Documentation

In addition to the specific questions outlined above, the User is requested to provide the following information and documentation, as available. ASTM requires that this information be provided to the Environmental Professional prior to the site visit.

Terracon
Consulting Engineers & Scientists

Item Supplied "X"	Not Applicable, Not Available or Not Known "X"	Item Requested (See Proposal)	Contacts/Comments Or Indicate Attachment
X		Point of Contact for Access	Name/Phone:
X		Current Site Owner	Name/Phone:
	X	Current Facility Operator	Name/Phone:
	X	Contacts for Prior Owners	Name/Phone:
		Contacts for Prior Occupants	Name/Phone:
	X	Access Restrictions	
	X	Notification of Special Requirements Regarding Confidentiality	
X		Legal Description and Diagram/ Survey of Site	
	X	Chain of Title with Grantor/Grantee Summary back to 1940 or first developed use	
X		Reasons for conducting ESA	ERRONEOUS L.U.S.T. LIST
X		Helpful Documents	

Helpful Documents Checklist

Pursuant to ASTM E 1527-05 § 10.8, do you know whether any of the following documents exist related to the subject property? Check all that apply.

- ☒ Environmental site assessment reports
- ☐ Environmental compliance audit reports
- ☐ Geotechnical studies
- ☐ Reports regarding hydrogeologic conditions on the property or surrounding area
- ☐ Registrations for above or underground storage tanks
- ☐ Notices or other correspondence from any governmental agency relating to past or current violations of environmental laws with respect to the property or relating to environmental liens encumbering the property
- ☐ Registrations for underground injection systems
- ☐ Environmental permits/plans, solid waste permits, hazardous waste disposal permits, wastewater permits, NPDES permits, underground injection permits, SPCC plans

Kurt Fisher
Name

Signature

Date: 12/10/13

Relationship to Site:

- ☒ Owner
- ☐ Property Manager
- ☐ Tenant
- ☐ Lender
- ☐ Broker
- ☐ Other _____

APPENDIX D

Environmental Database Information

Endolyne Garden
9212 45th Ave SW
Seattle, WA 98136

Inquiry Number: 3794339.1s
November 25, 2013

The EDR Radius Map™ Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	7
Orphan Summary	85
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

GeoCheck - Not Requested

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

9212 45TH AVE SW
SEATTLE, WA 98136

COORDINATES

Latitude (North):	47.5210000 - 47° 31' 15.60"
Longitude (West):	122.3901000 - 122° 23' 24.36"
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	545916.7
UTM Y (Meters):	5263025.0
Elevation:	95 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	47122-E4 DUWAMISH HEAD, WA
Most Recent Revision:	1983
East Map:	47122-E3 SEATTLE SOUTH, WA
Most Recent Revision:	1983

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year:	2011
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 7 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
GENE S AUTOMOTIVE AND SERVICE 9212 45TH AVE SW SEATTLE, WA	EDR US Hist Auto Stat	N/A
EUGENE LANDRY 9212 45TH SW SEATTLE, WA 98136	ALLSITES LUST UST	N/A
EUGENE LANDRY 9212 45TH SW SEATTLE, WA	FINDS	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ..... National Priority List
Proposed NPL ..... Proposed National Priority List Sites
NPL LIENS ..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ..... National Priority List Deletions

Federal CERCLIS list

CERCLIS ..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY ..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP ..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS ..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ..... RCRA - Large Quantity Generators
RCRA-SQG ..... RCRA - Small Quantity Generators
RCRA-CESQG ..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROL ..... Sites with Institutional Controls
LUCIS ..... Land Use Control Information System

Federal ERNS list

ERNS ..... Emergency Response Notification System

EXECUTIVE SUMMARY

State- and tribal - equivalent NPL

HSL ---------- Hazardous Sites List

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ---------- Solid Waste Facility Database

State and tribal leaking storage tank lists

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

AST ---------- Aboveground Storage Tank Locations
INDIAN UST ---------- Underground Storage Tanks on Indian Land
FEMA UST ---------- Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

INST CONTROL ---------- Institutional Control Site List

State and tribal voluntary cleanup sites

INDIAN VCP ---------- Voluntary Cleanup Priority Listing
VCP ---------- Voluntary Cleanup Program Sites

State and tribal Brownfields sites

BROWNFIELDS ---------- Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---------- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

ODI ---------- Open Dump Inventory
DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
SWRCY ---------- Recycling Facility List
SWTIRE ---------- Solid Waste Tire Facilities
INDIAN ODI ---------- Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL ---------- Clandestine Drug Labs
CSCSL NFA ---------- Confirmed & Contaminated Sites - No Further Action
CDL ---------- Clandestine Drug Lab Contaminated Site List
HIST CDL ---------- List of Sites Contaminated by Clandestine Drug Labs
US HIST CDL ---------- National Clandestine Laboratory Register

Local Land Records

LIENS 2 ---------- CERCLA Lien Information

EXECUTIVE SUMMARY

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
SPILLS	Reported Spills
SPILLS 90	SPILLS 90 data from FirstSearch

Other Ascertainable Records

DOT OPS	Incident and Accident Data
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
US MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
RAATS	RCRA Administrative Action Tracking System
RMP	Risk Management Plans
UIC	Underground Injection Wells Listing
DRYCLEANERS	Drycleaner List
NPDES	Water Quality Permit System Data
AIRS	Washington Emissions Data System
Inactive Drycleaners	Inactive Drycleaners
INDIAN RESERV	Indian Reservations
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
PRP	Potentially Responsible Parties
US AIRS	Aerometric Information Retrieval System Facility Subsystem
2020 COR ACTION	2020 Corrective Action Program List
LEAD SMELTERS	Lead Smelter Sites
PCB TRANSFORMER	PCB Transformer Registration Database
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
COAL ASH	Coal Ash Disposal Site Listing
Financial Assurance	Financial Assurance Information Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

State- and tribal - equivalent CERCLIS

CSCSL: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Ecology's Confirmed & Suspected Contaminated Sites List.

A review of the CSCSL list, as provided by EDR, and dated 07/22/2013 has revealed that there are 4 CSCSL sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SEATTLE PUBLIC UTILITIES SW BA	***3816 SW BARTON***	***E 1/4 - 1/2 (0.391 mi.)***	***15***	***36***
TEXACO STATION 121668	***9200 35TH AVE SW***	***E 1/2 - 1 (0.614 mi.)***	***17***	***38***
ANIMAL CLINIC OF ROXBURY	***9608 30TH AVE SW***	***ESE 1/2 - 1 (0.900 mi.)***	***18***	***75***
SUN COR HOLDINGS COPII LLC 2	***2851 SW ROXBURY ST***	***ESE 1/2 - 1 (0.996 mi.)***	***19***	***76***

State and tribal voluntary cleanup sites

ICR: These are remedial action reports Ecology has received from either the owner or operator of the site. These actions have been conducted without department oversight or approval and are not under an order or decree.

A review of the ICR list, as provided by EDR, and dated 12/01/2002 has revealed that there is 1 ICR site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SEATTLE PUBLIC WORKS (TWO REPO	38TH AVE. SW & SW BARTO	E 1/4 - 1/2 (0.473 mi.)	16	38

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

ALLSITES: Information on facilities and sites of interest to the Department of Ecology.

A review of the ALLSITES list, as provided by EDR, and dated 08/16/2013 has revealed that there are 4

EXECUTIVE SUMMARY

ALLSITES sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
VERIZON WIRELESS FAUNTLEROY	9261 45TH AVE SW	SSW 0 - 1/8 (0.015 mi.)	A9	12
SEATTLE PUBLIC UTILITIES SW BA	***3816 SW BARTON***	***E 1/4 - 1/2 (0.391 mi.)***	***15***	***36***

Lower Elevation	Address	Direction / Distance	Map ID	Page
WA DOT FAUNTLEROY FERRY TERMIN	***4829 SW BARTON***	***NW 1/8 - 1/4 (0.219 mi.)***	***12***	***13***
GARY MERLINO BULKHEAD REPAIR R	***9601 50TH AVE SW***	***SW 1/4 - 1/2 (0.375 mi.)***	***14***	***30***

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 07/11/2013 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WA DOT FAUNTLEROY FERRY TERMIN	***4829 SW BARTON***	***NW 1/8 - 1/4 (0.219 mi.)***	***12***	***13***

MANIFEST: Hazardous waste manifest information.

A review of the MANIFEST list, as provided by EDR, and dated 12/31/2012 has revealed that there is 1 MANIFEST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WA DOT FAUNTLEROY FERRY TERMIN	***4829 SW BARTON***	***NW 1/8 - 1/4 (0.219 mi.)***	***12***	***13***

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 4 EDR US

EXECUTIVE SUMMARY

Hist Auto Stat sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JACK S V W REPAIR	4500 SW WILDWOOD PL	SSW 0 - 1/8 (0.004 mi.)	A5	11
MURRAY JAMES C	9435 45TH AVE SW	SSW 1/8 - 1/4 (0.206 mi.)	10	12
Not reported	4319 SW CONCORD ST	NNE 1/8 - 1/4 (0.222 mi.)	13	30
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
JIM S RICHFIELD STATION	9212 45TH AVE S	NNW 0 - 1/8 (0.002 mi.)	A4	11

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 4 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

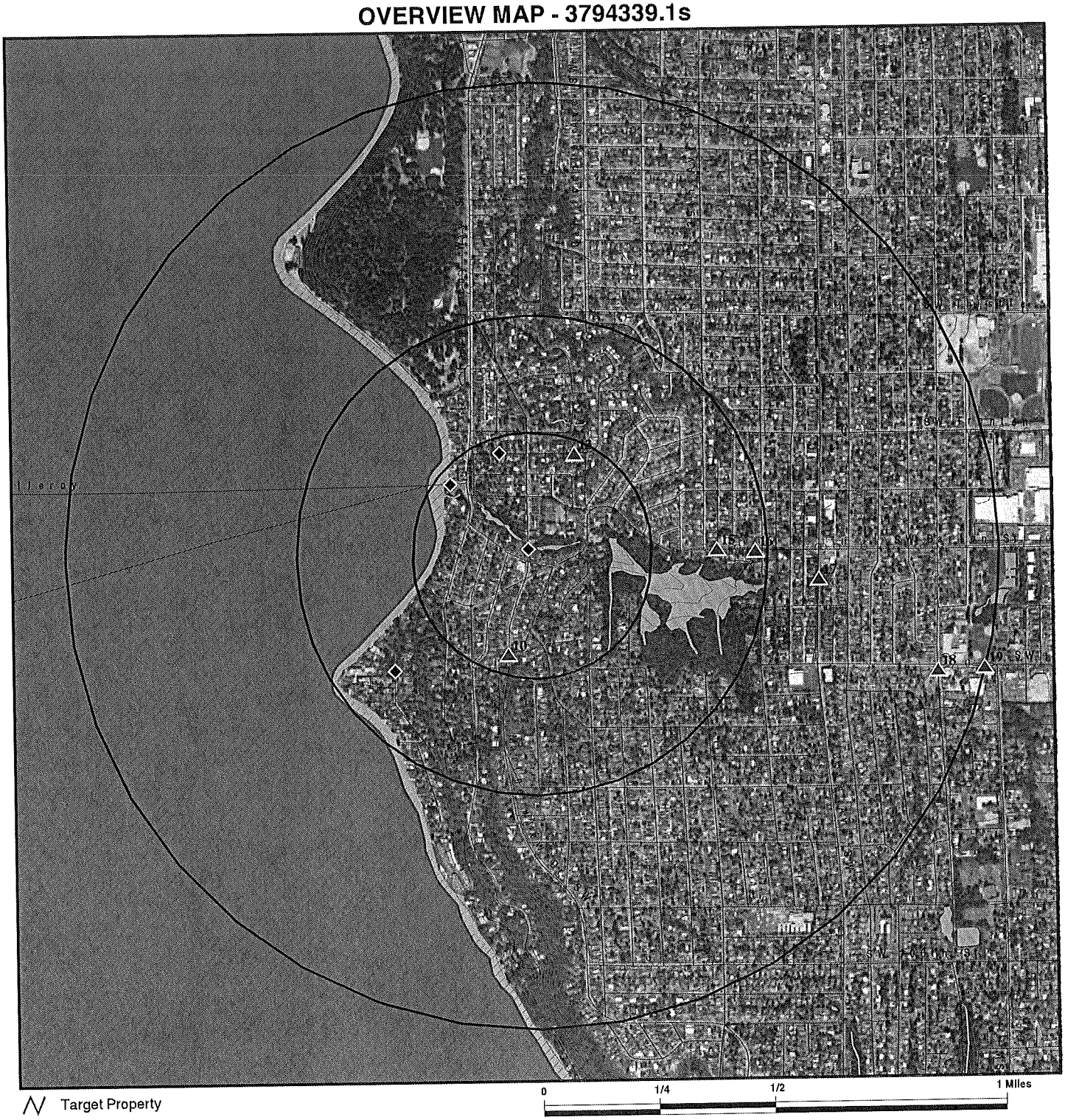
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COURTESY CLEANERS	9253 45TH AVE SW	SSW 0 - 1/8 (0.009 mi.)	A8	12
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
VIVIAN S CUSTOM CLEANERS	4509 WILDWOOD PL	SW 0 - 1/8 (0.006 mi.)	A6	11
Not reported	4509 SW WILDWOOD PL	SW 0 - 1/8 (0.007 mi.)	A7	11
GUARANTEE CARPET CLEANING AND	4502 SW CONCORD ST	NNW 1/8 - 1/4 (0.216 mi.)	11	13

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.

Site Name	Database(s)
BERKLEY ENGINEERING CONST	RCRA NonGen / NLR, FINDS, ALLSITES
WA DOT CONVENTION CTR FRWY PARK	RCRA NonGen / NLR, FINDS, ALLSITES
PORT OF SEATTLE TERMINALS 37 42 46	FINDS, ALLSITES
BOB LEONARD ELLIOT BAY	FINDS, ALLSITES
BOULEVARD AUTO SERVICE	FINDS, CSCSL, ALLSITES, LUST, UST
UPRR DIAGONAL AVE S SPUR	FINDS, CSCSL, ALLSITES, LUST, UST
DUWAMISH RIV ABANDONE	RCRA NonGen / NLR, FINDS, ALLSITES
KING COUTY WWTP - WEST POINT	ALLSITES, SWF/LF, SPILLS, AIRS
LINDE CONTAINER	CERCLIS
INTERBAY	SWF/LF
JUDKINS STREET DISPOSAL SITE	SWF/LF
SOUTH PARK	SWF/LF
WEST SEATTLE - HARBOR AVENUE	SWF/LF
NORTH AURORA DISPOSAL SITE	SWF/LF
MONTLAKE DISPOSAL SITE	SWF/LF
GENESEE LANDFILL	SWF/LF
GREEN LAKE LANDFILL SITE	SWF/LF
WA DOT BRG 5208	RCRA NonGen / NLR, FINDS
US DEA FAUNTLEROY SEATTLE	RCRA NonGen / NLR, FINDS
SR 99 & FIRST AVE. BRIDGE SPILL/WS	ICR

OVERVIEW MAP - 3794339.1s

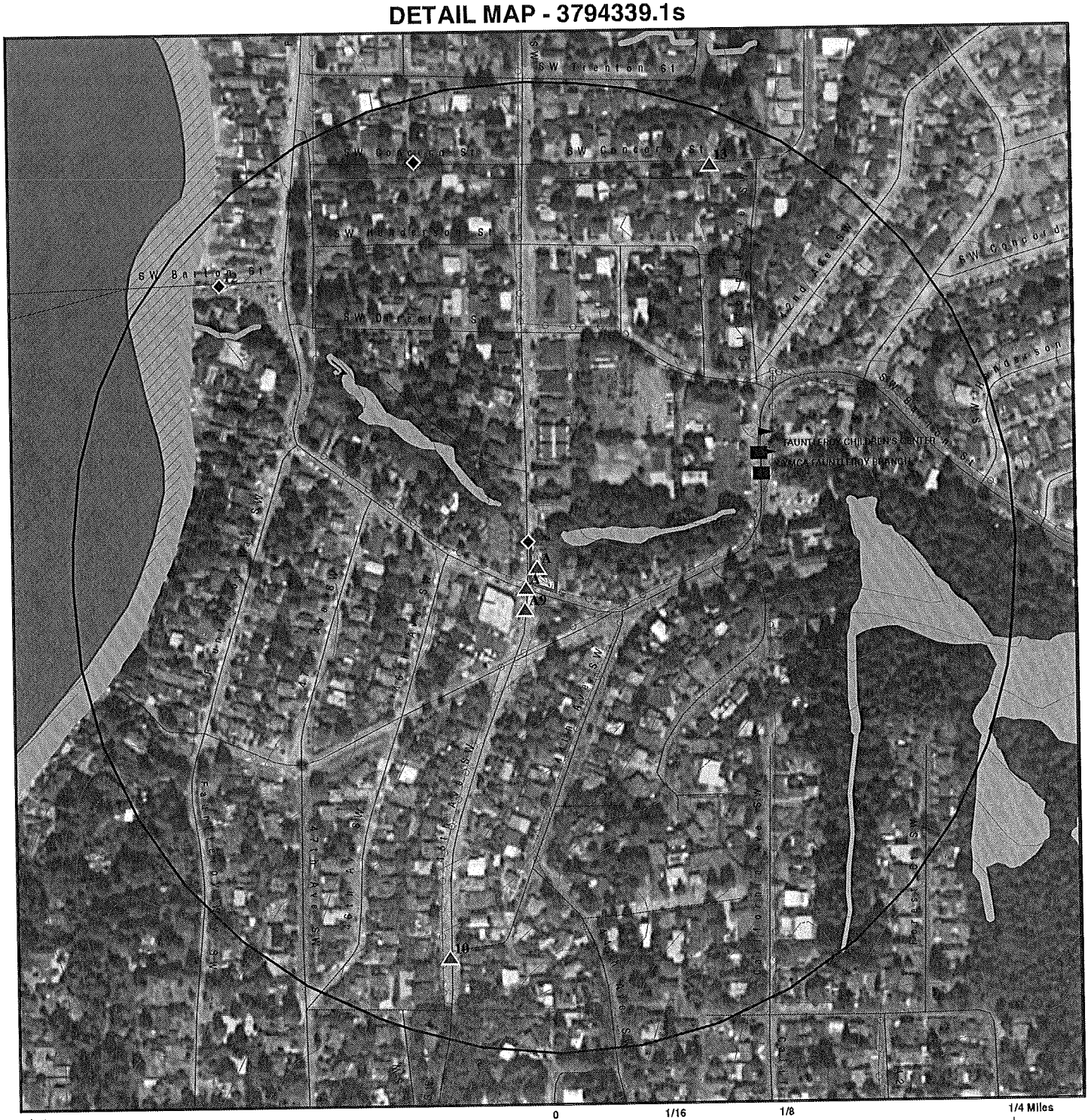


- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Endolyne Garden ADDRESS: 9212 45th Ave SW Seattle WA 98136	CLIENT: Terracon CONTACT: Kelly Mitchell INQUIRY #: 3794339.1s

DETAIL MAP - 3794339.1s


SW Trenton St
SW Barton Pl
SW Genesee St
SW Hanford St
SW Barton St
SW Genesee St
SW Ganpoud
Fauntleroy Ave SW
Henderson
TAUNTLEROY CHILDREN'S CENTER
Fauntleroy Blvd SW
Delridge Way SW
Delridge Way SW
Delridge Way

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
HSL	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
CSCSL	1.000		0	0	1	3	NR	4
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500	1	0	0	0	NR	NR	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST	0.250	1	0	0	NR	NR	NR	1
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
ICR	0.500		0	0	1	NR	NR	1
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
ALLSITES	0.500	1	1	1	2	NR	NR	5
CSCSL NFA	0.500		0	0	0	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
HIST CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	1	NR	NR	NR	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
MANIFEST	0.250		0	1	NR	NR	NR	1
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
Inactive Drycleaners	0.250		0	0	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250	1	2	2	NR	NR	NR	5
EDR US Hist Cleaners	0.250		3	1	NR	NR	NR	4

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 Target Property **GENE S AUTOMOTIVE AND SERVICE**
9212 45TH AVE SW
SEATTLE, WA

EDR US Hist Auto Stat **1009385359**
N/A

Site 1 of 9 in cluster A

Actual: 95 ft.

EDR Historical Auto Stations:

Name:	BOYD R MORGAN
Year:	1935
Type:	GASOLINE AND OIL SERVICE STATIONS
Name:	PALITZKE DELMAR M
Year:	1940
Type:	GASOLINE AND OIL SERVICE STATIONS
Name:	FAUNTLEROY SUPER SERVICE
Year:	1944
Type:	GASOLINE AND OIL SERVICE STATIONS
Name:	PALLTZKE SERVICE
Year:	1951
Type:	GASOLINE STATIONS
Name:	JIM S RICHFIELD STATION
Year:	1955
Type:	GAS STATIONS
Name:	GOODWIN AUTO REPAIRS
Year:	1955
Type:	AUTOMOBILE REPAIRING
Name:	JIM S RICHFIELD STATION
Year:	1960
Type:	GASOLINE STATIONS
Name:	SWAN S RICHFIELD STATION
Year:	1970
Type:	GASOLINE STATIONS
Name:	GENE S AUTOMOTIVE AND SERVICE
Year:	1980
Type:	AUTOMOBILE REPAIRING
Name:	GENE S AUTOMOTIVE AND SERVICE
Year:	1986
Type:	AUTOMOBILE REPAIRING

A2 Target Property **EUGENE LANDRY**
9212 45TH SW
SEATTLE, WA 98136

ALLSITES **U003025592**
LUST **N/A**
UST

Site 2 of 9 in cluster A

Actual: 95 ft.

ALLSITES:

Facility Id:	71883959
Latitude:	47.52102
Longitude:	-122.39016
Ecology Interest Type Code:	UST
Facility ID:	71883959
Facility Company:	EUGENE LANDRY

EUGENE LANDRY (Continued) **U003025592**

Interaction: I
Interaction 1: LUST
Interaction 2: LUST Facility
Ecology Program: TOXICS
Program Data: ISIS
Facility Alt.: Not reported
Program ID: 11470
Date Interaction: 09/05/1989
Date Interaction 3: 09/05/1989

Facility ID: 71883959
Facility Company: EUGENE LANDRY
Interaction: A
Interaction 1: UST
Interaction 2: Underground Storage Tank
Ecology Program: TOXICS
Program Data: ISIS
Facility Alt.: Not reported
Program ID: 11470
Date Interaction: 03/20/2000
Date Interaction 3: 03/20/2000

Facility Id: 71883959
Latitude: 47.52102
Longitude: -122.39016
Ecology Interest Type Code: LUST
Facility ID: 71883959
Facility Company: EUGENE LANDRY
Interaction: I
Interaction 1: LUST
Interaction 2: LUST Facility
Ecology Program: TOXICS
Program Data: ISIS
Facility Alt.: Not reported
Program ID: 11470
Date Interaction: 09/05/1989
Date Interaction 3: 09/05/1989

Facility ID: 71883959
Facility Company: EUGENE LANDRY
Interaction: A
Interaction 1: UST
Interaction 2: Underground Storage Tank
Ecology Program: TOXICS
Program Data: ISIS
Facility Alt.: Not reported
Program ID: 11470
Date Interaction: 03/20/2000
Date Interaction 3: 03/20/2000

LUST:
Facility ID: 71883959
Facility Status: Cleanup Started
Cleanup Site ID: 10264
Cleanup Unit Type: Upland

EUGENE LANDRY (Continued) **U003025592**

Process Type: Independent Action
Alternate Name: 45TH AVE SW APARTMENTS
Release Status Date: 09/05/1989
Site Response Unit Code: Northwest
Lat/Long: 47.52102 / -122.39016

Facility ID: 71883959
Facility Status: RCU
Cleanup Site ID: 10264
Cleanup Unit Type: Upland
Process Type: Independent Action
Alternate Name: 45TH AVE SW APARTMENTS
Release Status Date: 06/01/1995
Site Response Unit Code: Northwest
Lat/Long: 47.52102 / -122.39016

Facility ID: 71883959
Facility Status: Cleanup Started
Cleanup Site ID: 10264
Cleanup Unit Type: Upland
Process Type: Independent Action
Alternate Name: 45TH AVE SW APARTMENTS
Release Status Date: 07/01/2011
Site Response Unit Code: Northwest
Lat/Long: 47.52102 / -122.39016

UST:
Facility ID: 71883959
Site Id: 11470
UBI: Not reported
Phone Number: 2069328052
Decimal Latitude: 47.52102
Decimal Longitude: -122.39015999999999

Tank Name: 1
Tag Number: Not reported
Tank Status: Closed in Place
Tank Status Date: 08/06/1996
Tank Install Date: 00/31/1964
Tank Closure Date: Not reported
Capacity Range: Not reported
Tank Permit Expiration Date: Not reported
Tank Upgrade Date: Not reported
Tank Spill Prevention: Not reported
Tank Overfill Prevention: Not reported
Tank Material: Steel
Tank Construction: Not reported
Tank Tightness Test: Not reported
Tank Corrosion Protection: Not reported
Tank Manifold: Not reported
Tank Release Detection: Not reported
Tank SFC Type: Not reported
Pipe Material: Steel
Pipe Construction: Not reported
Pipe Primary Release Detection: Not reported
Pipe Second Release Detection: Not reported
Pipe Corrosion Protection: Not reported

EUGENE LANDRY (Continued) **U003025592**

Pipe Pumping System:	Not reported
Responsible Unit:	NORTHWEST
Dispencer/Pump SFC Type:	Not reported

Tank Name:	2
Tag Number:	Not reported
Tank Status:	Closed in Place
Tank Status Date:	08/06/1996
Tank Install Date:	00/31/1964
Tank Closure Date:	Not reported
Capacity Range:	Not reported
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Tank Manifold:	Not reported
Tank Release Detection:	Not reported
Tank SFC Type:	Not reported
Pipe Material:	Steel
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Pipe Pumping System:	Not reported
Responsible Unit:	NORTHWEST
Dispencer/Pump SFC Type:	Not reported

A3 Target Property **EUGENE LANDRY** **FINDS** **1007066317**
9212 45TH SW **N/A**
SEATTLE, WA

Site 3 of 9 in cluster A

Actual: 95 ft.

FINDS:

Registry ID: 110015428973

Environmental Interest/Information System
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A4
NNW
< 1/8
0.002 mi.
8 ft.

JIM S RICHFIELD STATION
9212 45TH AVE S
SEATTLE, WA

EDR US Hist Auto Stat **1009385358**
N/A

Site 4 of 9 in cluster A

Relative:
Lower

Actual:
89 ft.

EDR Historical Auto Stations:
Name: JIM S RICHFIELD STATION
Year: 1966
Type: GASOLINE STATIONS

A5
SSW
< 1/8
0.004 mi.
20 ft.

JACK S V W REPAIR
4500 SW WILDWOOD PL
SEATTLE, WA

EDR US Hist Auto Stat **1009373842**
N/A

Site 5 of 9 in cluster A

Relative:
Higher

Actual:
95 ft.

EDR Historical Auto Stations:
Name: JACK S V W REPAIR
Year: 1970
Type: AUTOMOBILE REPAIRING

A6
SW
< 1/8
0.006 mi.
33 ft.

VIVIAN S CUSTOM CLEANERS
4509 WILDWOOD PL
SEATTLE, WA

EDR US Hist Cleaners **1009344777**
N/A

Site 6 of 9 in cluster A

Relative:
Lower

Actual:
94 ft.

EDR Historical Cleaners:
Name: VIVIAN S CUSTOM CLEANERS
Year: 1960
Type: CLEANERS AND DYERS

A7
SW
< 1/8
0.007 mi.
39 ft.

4509 SW WILDWOOD PL
SEATTLE, WA 98136

EDR US Hist Cleaners **1009344776**
N/A

Site 7 of 9 in cluster A

Relative:
Lower

Actual:
94 ft.

EDR Historical Cleaners:
Name: FAUNTLEROY MARTINIZING DRY CLEANERS
Year: 1966
Type: CLEANERS AND DYERS

Name: FAUNTLEROY MARTINIZING DRY CLEANERS
Year: 1970
Type: CLEANERS AND DYERS

Name: FAUNTLEROY DRY CLEANERS
Year: 1980
Type: CLEANERS AND DYERS

Name: FAUNTLEROY DRY CLEANERS
Year: 1986
Type: CLEANERS AND DYERS

Name: FAUNTLEROY CLEANERS

1009344776

(Continued)

Year: 2001
Address: 4509 SW WILDWOOD PL

A8
SSW
< 1/8
0.009 mi.
47 ft.

COURTESY CLEANERS
9253 45TH AVE SW
SEATTLE, WA

Site 8 of 9 in cluster A

EDR US Hist Cleaners 1009350563 N/A

Relative: Higher
Actual: 96 ft.

EDR Historical Cleaners:
Name: COURTESY CLEANERS
Year: 1951
Type: CLEANERS AND DYERS

A9
SSW
< 1/8
0.015 mi.
77 ft.

VERIZON WIRELESS FAUNTLEROY
9261 45TH AVE SW
SEATTLE, WA 98136

Site 9 of 9 in cluster A

ALLSITES S112209416 N/A

Relative: Higher
Actual: 97 ft.

ALLSITES:
Facility Id: 24764
Latitude: 47.520676
Longitude: -122.39028
Ecology Interest Type Code: TIER2
Facility ID: 24764
Facility Company: VERIZON WIRELESS FAUNTLEROY
Interaction: A
Interaction 1: TIER2
Interaction 2: Emergency/Haz Chem Rpt TIER2
Ecology Program: HAZWASTE
Program Data: EPCRA
Facility Alt.: VERIZON WIRELESS FAUNTLEROY
Program ID: CRK000079860
Date Interaction: 06/06/2012
Date Interaction 3: 06/06/2012

10
SSW
1/8-1/4
0.206 mi.
1090 ft.

MURRAY JAMES C
9435 45TH AVE SW
SEATTLE, WA

EDR US Hist Auto Stat 1009385827 N/A

Relative: Higher
Actual: 168 ft.

EDR Historical Auto Stations:
Name: MURRAY JAMES C
Year: 1966
Type: AUTOMOBILE REPAIRING

11
NNW
1/8-1/4
0.216 mi.
1139 ft.

GUARANTEE CARPET CLEANING AND DYE CO
4502 SW CONCORD ST
SEATTLE, WA

EDR US Hist Cleaners **1009613287**
N/A

Relative:
Lower

Actual:
65 ft.

EDR Historical Cleaners:
Name: GUARANTEE CARPET CLEANING AND DYE CO
Year: 1981
Type: Carpet And Rug Cleaners

12
NW
1/8-1/4
0.219 mi.
1158 ft.

WA DOT FAUNTLEROY FERRY TERMINAL
4829 SW BARTON
SEATTLE, WA 98136

RCRA NonGen / NLR **1000394344**
FINDS **WAD982657264**
ALLSITES
MANIFEST
SPILLS

Relative:
Lower

Actual:
19 ft.

RCRA NonGen / NLR:
Date form received by agency: 02/08/2012
Facility name: WA DOT FAUNTLEROY FERRY TERMINAL
Facility address: 4829 SW BARTON
SEATTLE, WA 98136
EPA ID: WAD982657264
Mailing address: 2901 3RD AVENUE
SEATTLE, WA 98121
Contact: WAYNE D CASPER
Contact address: 2901 3RD AVENUE
SEATTLE, WA 98121
Contact country: US
Contact telephone: (206) 515-3797
Contact email: CASPER@WSDOT.WA.GOV
EPA Region: 10
Land type: State
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: WA DOT
Owner/operator address: 310 MAPLE PARK
OLYMPIA, 98504
Owner/operator country: US
Owner/operator telephone: (360)705-7000
Legal status: State
Owner/Operator Type: Owner
Owner/Op start date: 06/12/1996
Owner/Op end date: Not reported

Owner/operator name: FAUNTIEROY FERR F
Owner/operator address: 4829 SW BARTON ST
SEATTLE, WA 98136
Owner/operator country: US
Owner/operator telephone: (206)464-6400
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1997
Owner/Op end date: Not reported

Owner/operator name: FAUNTIEROY FERRY TERMINAL
Owner/operator address: 4829 SW BARTON ST

WA DOT FAUNTLEROY FERRY TERMINAL (Continued) **1000394344**

SEATTLE, 98136
Owner/operator country: US
Owner/operator telephone: 206-464-6400
Legal status: State
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1997
Owner/Op end date: Not reported

Owner/operator name: WA DOT W
Owner/operator address: 310 MAPLE PARK
OLYMPIA, WA 98504
Owner/operator country: US
Owner/operator telephone: (360)705-7000
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 06/12/1996
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 02/23/2011
Facility name: WA DOT FAUNTLEROY FERRY TERMINAL
Classification: Not a generator, verified

Date form received by agency: 02/09/2010
Facility name: WA DOT FAUNTLEROY FERRY TERMINAL
Classification: Not a generator, verified

Date form received by agency: 12/31/2007
Facility name: WA DOT FAUNTLEROY FERRY TERMINAL
Classification: Not a generator, verified

Date form received by agency: 12/31/2005
Facility name: WA DOT FAUNTLEROY FERRY TERMINAL
Classification: Not a generator, verified

Date form received by agency: 12/31/2003
Facility name: WA DOT FAUNTLEROY FERRY TERMINAL
Classification: Not a generator, verified

WA DOT FAUNTLEROY FERRY TERMINAL (Continued) **1000394344**

Date form received by agency: 03/28/2000
Facility name: WA DOT FAUNTLEROY FERRY TERMINAL
Site name: WA DOT FERRIES
Classification: Large Quantity Generator

Date form received by agency: 03/02/1998
Facility name: WA DOT FAUNTLEROY FERRY TERMINAL
Site name: WA DOT FERRIES
Classification: Large Quantity Generator

Date form received by agency: 03/01/1996
Facility name: WA DOT FAUNTLEROY FERRY TERMINAL
Site name: WDOT - FERRIES
Classification: Large Quantity Generator

Date form received by agency: 12/31/1990
Facility name: WA DOT FAUNTLEROY FERRY TERMINAL
Site name: WDOT STATE FERRIES
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: SR - 200(1)(d)
Area of violation: Generators - General
Date violation determined: 01/13/1999
Date achieved compliance: 08/29/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/12/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 180(1)
Area of violation: Generators - General
Date violation determined: 01/13/1999
Date achieved compliance: 08/29/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/12/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 200(1)(B),630(6)
Area of violation: Generators - General
Date violation determined: 01/13/1999
Date achieved compliance: 08/29/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/12/1999
Enf. disposition status: Not reported

WA DOT FAUNTLEROY FERRY TERMINAL (Continued) **1000394344**

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 01/13/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/29/2000
Evaluation lead agency: State

FINDS:

Registry ID: 110009511386

Environmental Interest/Information System
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RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

ALLSITES:
Facility Id: 37212955
Latitude: 47.52199
Longitude: -122.36313
Ecology Interest Type Code: HWOTHER
Facility ID: 37212955
Facility Company: WA DOT Fauntleroy Ferry Terminal
Interaction: I
Interaction 1: HWG
Interaction 2: Hazardous Waste Generator
Ecology Program: HAZWASTE
Program Data: TURBOWASTE
Facility Alt.: Not reported
Program ID: WAD982657264
Date Interaction: 03/30/1989
Date Interaction 3: 03/30/1989

Facility ID: 37212955
Facility Company: WA DOT Fauntleroy Ferry Terminal
Interaction: A
Interaction 1: HWP
Interaction 2: Hazardous Waste Planner

WA DOT FAUNTLEROY FERRY TERMINAL (Continued) **1000394344**

Ecology Program:	HAZWASTE
Program Data:	HWPPRT
Facility Alt.:	Not reported
Program ID:	WAD982657264
Date Interaction:	01/01/1994
Date Interaction 3:	01/01/1994
Facility ID:	37212955
Facility Company:	WA DOT Fauntleroy Ferry Terminal
Interaction:	I
Interaction 1:	HWOTHER
Interaction 2:	Haz Waste Management Activity
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD982657264
Date Interaction:	12/31/2003
Date Interaction 3:	12/31/2003
Facility ID:	37212955
Facility Company:	WA DOT Fauntleroy Ferry Terminal
Interaction:	I
Interaction 1:	HWG
Interaction 2:	Hazardous Waste Generator
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD982657264
Date Interaction:	12/31/2004
Date Interaction 3:	12/31/2004
Facility ID:	37212955
Facility Company:	WA DOT Fauntleroy Ferry Terminal
Interaction:	A
Interaction 1:	HWOTHER
Interaction 2:	Haz Waste Management Activity
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	WA DOT Fauntleroy Ferry Terminal
Program ID:	WAD982657264
Date Interaction:	12/31/2005
Date Interaction 3:	12/31/2005
Facility ID:	37212955
Facility Company:	WA DOT Fauntleroy Ferry Terminal
Interaction:	I
Interaction 1:	INDUSTGP
Interaction 2:	Industrial SW GP
Ecology Program:	WATQUAL
Program Data:	PARIS
Facility Alt.:	WA DOT FAUNTLEROY TERMINAL
Program ID:	SO3001068
Date Interaction:	12/18/1992
Date Interaction 3:	12/18/1992
Facility Id:	37212955

WA DOT FAUNTLEROY FERRY TERMINAL (Continued) **1000394344**

Latitude:	47.52199
Longitude:	-122.36313
Ecology Interest Type Code:	HWG
Facility ID:	37212955
Facility Company:	WA DOT Fauntleroy Ferry Terminal
Interaction:	I
Interaction 1:	HWG
Interaction 2:	Hazardous Waste Generator
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD982657264
Date Interaction:	03/30/1989
Date Interaction 3:	03/30/1989

Facility ID:	37212955
Facility Company:	WA DOT Fauntleroy Ferry Terminal
Interaction:	A
Interaction 1:	HWP
Interaction 2:	Hazardous Waste Planner
Ecology Program:	HAZWASTE
Program Data:	HWPPRT
Facility Alt.:	Not reported
Program ID:	WAD982657264
Date Interaction:	01/01/1994
Date Interaction 3:	01/01/1994

Facility ID:	37212955
Facility Company:	WA DOT Fauntleroy Ferry Terminal
Interaction:	I
Interaction 1:	HWOTHER
Interaction 2:	Haz Waste Management Activity
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD982657264
Date Interaction:	12/31/2003
Date Interaction 3:	12/31/2003

Facility ID:	37212955
Facility Company:	WA DOT Fauntleroy Ferry Terminal
Interaction:	I
Interaction 1:	HWG
Interaction 2:	Hazardous Waste Generator
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD982657264
Date Interaction:	12/31/2004
Date Interaction 3:	12/31/2004

Facility ID:	37212955
Facility Company:	WA DOT Fauntleroy Ferry Terminal
Interaction:	A
Interaction 1:	HWOTHER
Interaction 2:	Haz Waste Management Activity
Ecology Program:	HAZWASTE

WA DOT FAUNTLEROY FERRY TERMINAL (Continued) **1000394344**

Program Data:	TURBOWASTE
Facility Alt.:	WA DOT Fauntleroy Ferry Terminal
Program ID:	WAD982657264
Date Interaction:	12/31/2005
Date Interaction 3:	12/31/2005
Facility ID:	37212955
Facility Company:	WA DOT Fauntleroy Ferry Terminal
Interaction:	I
Interaction 1:	INDUSTGP
Interaction 2:	Industrial SW GP
Ecology Program:	WATQUAL
Program Data:	PARIS
Facility Alt.:	WA DOT FAUNTLEROY TERMINAL
Program ID:	SO3001068
Date Interaction:	12/18/1992
Date Interaction 3:	12/18/1992
Facility Id:	37212955
Latitude:	47.52199
Longitude:	-122.36313
Ecology Interest Type Code:	HWP
Facility ID:	37212955
Facility Company:	WA DOT Fauntleroy Ferry Terminal
Interaction:	I
Interaction 1:	HWG
Interaction 2:	Hazardous Waste Generator
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD982657264
Date Interaction:	03/30/1989
Date Interaction 3:	03/30/1989
Facility ID:	37212955
Facility Company:	WA DOT Fauntleroy Ferry Terminal
Interaction:	A
Interaction 1:	HWP
Interaction 2:	Hazardous Waste Planner
Ecology Program:	HAZWASTE
Program Data:	HWPPRT
Facility Alt.:	Not reported
Program ID:	WAD982657264
Date Interaction:	01/01/1994
Date Interaction 3:	01/01/1994
Facility ID:	37212955
Facility Company:	WA DOT Fauntleroy Ferry Terminal
Interaction:	I
Interaction 1:	HWOTHER
Interaction 2:	Haz Waste Management Activity
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD982657264
Date Interaction:	12/31/2003

WA DOT FAUNTLEROY FERRY TERMINAL (Continued) **1000394344**

Date Interaction 3: 12/31/2003

Facility ID: 37212955
Facility Company: WA DOT Fauntleroy Ferry Terminal
Interaction: I
Interaction 1: HWG
Interaction 2: Hazardous Waste Generator
Ecology Program: HAZWASTE
Program Data: TURBOWASTE
Facility Alt.: Not reported
Program ID: WAD982657264
Date Interaction: 12/31/2004
Date Interaction 3: 12/31/2004

Facility ID: 37212955
Facility Company: WA DOT Fauntleroy Ferry Terminal
Interaction: A
Interaction 1: HWOTHER
Interaction 2: Haz Waste Management Activity
Ecology Program: HAZWASTE
Program Data: TURBOWASTE
Facility Alt.: WA DOT Fauntleroy Ferry Terminal
Program ID: WAD982657264
Date Interaction: 12/31/2005
Date Interaction 3: 12/31/2005

Facility ID: 37212955
Facility Company: WA DOT Fauntleroy Ferry Terminal
Interaction: I
Interaction 1: INDUSTGP
Interaction 2: Industrial SW GP
Ecology Program: WATQUAL
Program Data: PARIS
Facility Alt.: WA DOT FAUNTLEROY TERMINAL
Program ID: SO3001068
Date Interaction: 12/18/1992
Date Interaction 3: 12/18/1992

Facility Id: 37212955
Latitude: 47.52199
Longitude: -122.36313
Ecology Interest Type Code: INDUSTGP
Facility ID: 37212955
Facility Company: WA DOT Fauntleroy Ferry Terminal
Interaction: I
Interaction 1: HWG
Interaction 2: Hazardous Waste Generator
Ecology Program: HAZWASTE
Program Data: TURBOWASTE
Facility Alt.: Not reported
Program ID: WAD982657264
Date Interaction: 03/30/1989
Date Interaction 3: 03/30/1989

Facility ID: 37212955
Facility Company: WA DOT Fauntleroy Ferry Terminal

WA DOT FAUNTLEROY FERRY TERMINAL (Continued) **1000394344**

Interaction:	A
Interaction 1:	HWP
Interaction 2:	Hazardous Waste Planner
Ecology Program:	HAZWASTE
Program Data:	HWPPRT
Facility Alt.:	Not reported
Program ID:	WAD982657264
Date Interaction:	01/01/1994
Date Interaction 3:	01/01/1994
Facility ID:	37212955
Facility Company:	WA DOT Fauntleroy Ferry Terminal
Interaction:	I
Interaction 1:	HWOTHER
Interaction 2:	Haz Waste Management Activity
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD982657264
Date Interaction:	12/31/2003
Date Interaction 3:	12/31/2003
Facility ID:	37212955
Facility Company:	WA DOT Fauntleroy Ferry Terminal
Interaction:	I
Interaction 1:	HWG
Interaction 2:	Hazardous Waste Generator
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD982657264
Date Interaction:	12/31/2004
Date Interaction 3:	12/31/2004
Facility ID:	37212955
Facility Company:	WA DOT Fauntleroy Ferry Terminal
Interaction:	A
Interaction 1:	HWOTHER
Interaction 2:	Haz Waste Management Activity
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	WA DOT Fauntleroy Ferry Terminal
Program ID:	WAD982657264
Date Interaction:	12/31/2005
Date Interaction 3:	12/31/2005
Facility ID:	37212955
Facility Company:	WA DOT Fauntleroy Ferry Terminal
Interaction:	I
Interaction 1:	INDUSTGP
Interaction 2:	Industrial SW GP
Ecology Program:	WATQUAL
Program Data:	PARIS
Facility Alt.:	WA DOT FAUNTLEROY TERMINAL
Program ID:	SO3001068
Date Interaction:	12/18/1992
Date Interaction 3:	12/18/1992

WA DOT FAUNTLEROY FERRY TERMINAL (Continued) **1000394344**

WA MANIFEST:

Facility Site ID Number:	37212955
SWC Desc:	Not reported
FWC Desc:	Not reported
Form Comm:	Not reported
Data Year:	2008
Permit by Rule:	False
Treatment by Generator:	False
Mixed radioactive waste:	False
Importer of hazardous waste:	False
Immediate recycler:	False
Treatment/Storage/Disposal/Recycling Facility:	False
Generator of dangerous fuel waste:	False
Generator marketing to burner:	False
"Other marketers (i.e., blender, distributor, etc.)":	False
Utility boiler burner:	False
Industry boiler burner:	False
Industrial Furnace:	False
Smelter defferal:	False
Universal waste - batteries - generate:	False
Universal waste - thermostats - generate:	False
Universal waste - mercury - generate:	False
Universal waste - lamps - generate:	False
Universal waste - batteries - accumulate:	False
Universal waste - thermostats - accumulate:	False
Universal waste - mercury - accumulate:	False
Universal waste - lamps - accumulate:	False
Destination Facility for Universal Waste:	False
Off-specification used oil burner - utility boiler:	False
Off-specification used oil burner - industrial boiler:	False
Off-specification used oil burner - industrial furnace:	False
EPA ID:	WAD982657264
Facility Address 2:	Not reported
TAX REG NBR:	916001117
NAICS CD:	48321
BUSINESS TYPE:	Ferry Terminal
MAIL NAME:	Washington State Ferries
MAIL ADDR LINE1:	2901 3rd Avenue
MAIL CITY,ST,ZIP:	SEATTLE, WA 98121-1012
MAIL COUNTRY:	UNITED STATES
LEGAL ORG NAME:	WA DOT
LEGAL ORG TYPE:	State
LEGAL ADDR LINE1:	310 Maple Park
LEGAL CITY,ST,ZIP:	OLYMPIA, WA 98504
LEGAL COUNTRY:	UNITED STATES
LEGAL PHONE NBR:	(360)705-7000
LEGAL EFFECTIVE DATE:	06/12/1996
LAND ORG NAME:	WA DNR
LAND ORG TYPE:	State
LAND PERSON NAME:	Not reported
LAND ADDR LINE1:	1111 WAshington St SE
LAND CITY,ST,ZIP:	OLYMPIA, WA 98504-7027
LAND COUNTRY:	UNITED STATES
LAND PHONE NBR:	360-902-1100
OPERATOR ORG NAME:	Fauntleroy Ferry Terminal
OPERATOR ORG TYPE:	State
OPERATOR ADDR LINE1:	4829 SW Barton St

WA DOT FAUNTLEROY FERRY TERMINAL (Continued) **1000394344**

OPERATOR CITY,ST,ZIP:	SEATTLE, WA 98136
OPERATOR COUNTRY:	UNITED STATES
OPERATOR PHONE NBR:	206-464-6400
OPERATOR EFFECTIVE DATE:	01/01/1997
SITE CONTACT NAME:	Wayne D Casper
SITE CONTACT ADDR LINE1:	2901 3rd Avenue
SITE CONTACT ZIP:	SEATTLE, WA 98121-1012
SITE CONTACT COUNTRY:	UNITED STATES
SITE CONTACT PHONE NBR:	(206)515-3797
SITE CONTACT EMAIL:	casper@wsdot.wa.gov
FORM CONTACT NAME:	Wayne D Casper
FORM CONTACT ADDR LINE1:	2901 3rd Avenue
FORM CONTACT CITY,ST,ZIP:	SEATTLE, WA 98121-1012
FORM CONTACT COUNTRY:	UNITED STATES
FORM CONTACT PHONE NBR:	206515-3797
FORM CONTACT EMAIL:	casper@wsdot.wa.gov
GEN STATUS CD:	XQG
MONTHLY GENERATION:	False
BATCH GENERATION:	False
ONE TIME GENERATION:	False
TRANSPORTS OWN WASTE:	False
TRANSPORTS OTHRS WASTE:	False
RECYCLER ONSITE:	False
TRANSFER FACILITY:	False
OTHER EXEMPTION:	Not reported
UW BATTERY GEN:	False
USED OIL TRANSPORTER:	False
USED OIL TRANSFER FACLTY:	False
USED OIL PROCESSOR:	False
USED OIL REREFINER:	False
USED OIL FUEL MRKTR DIRECTS SHPMNTS:	False
USED OIL FUEL MRKTR MEETS SPECS:	False

Facility Site ID Number:	37212955
SWC Desc:	Not reported
FWC Desc:	Not reported
Form Comm:	Not reported
Data Year:	2009
Permit by Rule:	False
Treatment by Generator:	False
Mixed radioactive waste:	False
Importer of hazardous waste:	False
Immediate recycler:	False
Treatment/Storage/Disposal/Recycling Facility:	False
Generator of dangerous fuel waste:	False
Generator marketing to burner:	False
"Other marketers (i.e., blender, distributor, etc.)":	False
Utility boiler burner:	False
Industry boiler burner:	False
Industrial Furnace:	False
Smelter defferal:	False
Universal waste - batteries - generate:	False
Universal waste - thermostats - generate:	False
Universal waste - mercury - generate:	False
Universal waste - lamps - generate:	False
Universal waste - batteries - accumulate:	False
Universal waste - thermostats - accumulate:	False

WA DOT FAUNTLEROY FERRY TERMINAL (Continued) **1000394344**

Universal waste - mercury - accumulate:	False
Universal waste - lamps - accumulate:	False
Destination Facility for Universal Waste:	False
Off-specification used oil burner - utility boiler:	False
Off-specification used oil burner - industrial boiler:	False
Off-specification used oil burner - industrial furnace:	False
EPA ID:	WAD982657264
Facility Address 2:	Not reported
TAX REG NBR:	916001117
NAICS CD:	483212
BUSINESS TYPE:	Ferry Terminal
MAIL NAME:	Washington State Ferries
MAIL ADDR LINE1:	2901 3rd Avenue
MAIL CITY,ST,ZIP:	SEATTLE, WA 98121-1012
MAIL COUNTRY:	UNITED STATES
LEGAL ORG NAME:	WA DOT
LEGAL ORG TYPE:	State
LEGAL ADDR LINE1:	310 Maple Park
LEGAL CITY,ST,ZIP:	OLYMPIA, WA 98504
LEGAL COUNTRY:	UNITED STATES
LEGAL PHONE NBR:	(360)705-7000
LEGAL EFFECTIVE DATE:	06/12/1996
LAND ORG NAME:	WA DNR
LAND ORG TYPE:	State
LAND PERSON NAME:	Not reported
LAND ADDR LINE1:	1111 WAshington St SE
LAND CITY,ST,ZIP:	OLYMPIA, WA 98504-7027
LAND COUNTRY:	UNITED STATES
LAND PHONE NBR:	360-902-1100
OPERATOR ORG NAME:	Fauntieroy Ferry Terminal
OPERATOR ORG TYPE:	State
OPERATOR ADDR LINE1:	4829 SW Barton St
OPERATOR CITY,ST,ZIP:	SEATTLE, WA 98136
OPERATOR COUNTRY:	UNITED STATES
OPERATOR PHONE NBR:	206-464-6400
OPERATOR EFFECTIVE DATE:	01/01/1997
SITE CONTACT NAME:	Wayne D Casper
SITE CONTACT ADDR LINE1:	2901 3rd Avenue
SITE CONTACT ZIP:	SEATTLE, WA 98121-1012
SITE CONTACT COUNTRY:	UNITED STATES
SITE CONTACT PHONE NBR:	(206)515-3797
SITE CONTACT EMAIL:	casper@wsdot.wa.gov
FORM CONTACT NAME:	Wayne D Casper
FORM CONTACT ADDR LINE1:	2901 3rd Avenue
FORM CONTACT CITY,ST,ZIP:	SEATTLE, WA 98121-1012
FORM CONTACT COUNTRY:	UNITED STATES
FORM CONTACT PHONE NBR:	206515-3797
FORM CONTACT EMAIL:	casper@wsdot.wa.gov
GEN STATUS CD:	XQG
MONTHLY GENERATION:	False
BATCH GENERATION:	False
ONE TIME GENERATION:	False
TRANSPORTS OWN WASTE:	False
TRANSPORTS OTHRS WASTE:	False
RECYCLER ONSITE:	False
TRANSFER FACILITY:	False
OTHER EXEMPTION:	Not reported

WA DOT FAUNTLEROY FERRY TERMINAL (Continued) **1000394344**

UW BATTERY GEN: False
USED OIL TRANSPORTER: False
USED OIL TRANSFER FACLTY: False
USED OIL PROCESSOR: False
USED OIL REREFINER: False
USED OIL FUEL MRKTR DIRECTS SHPMNTS: False
USED OIL FUEL MRKTR MEETS SPECS: False

Facility Site ID Number: 37212955
SWC Desc: Not reported
FWC Desc: Not reported
Form Comm: Not reported
Data Year: Not reported
Permit by Rule: FALSE
Treatment by Generator: FALSE
Mixed radioactive waste: FALSE
Importer of hazardous waste: FALSE
Immediate recycler: FALSE
Treatment/Storage/Disposal/Recycling Facility: FALSE
Generator of dangerous fuel waste: FALSE
Generator marketing to burner: FALSE
"Other marketers (i.e., blender, distributor, etc.)": FALSE
Utility boiler burner: FALSE
Industry boiler burner: FALSE
Industrial Furnace: FALSE
Smelter defferal: FALSE
Universal waste - batteries - generate: FALSE
Universal waste - thermostats - generate: FALSE
Universal waste - mercury - generate: FALSE
Universal waste - lamps - generate: FALSE
Universal waste - batteries - accumulate: FALSE
Universal waste - thermostats - accumulate: FALSE
Universal waste - mercury - accumulate: FALSE
Universal waste - lamps - accumulate: FALSE
Destination Facility for Universal Waste: FALSE
Off-specification used oil burner - utility boiler: FALSE
Off-specification used oil burner - industrial boiler: FALSE
Off-specification used oil burner - industrial furnace: FALSE
EPA ID: WAD982657264
Facility Address 2: Not reported
TAX REG NBR: 916001117
NAICS CD: 48321
BUSINESS TYPE: Ferry Terminal
MAIL NAME: Washington State Ferries
MAIL ADDR LINE1: 2901 3rd Avenue
MAIL CITY,ST,ZIP: SEATTLE, WA 98121-1012
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: WA DOT
LEGAL ORG TYPE: State
LEGAL ADDR LINE1: 310 Maple Park
LEGAL CITY,ST,ZIP: OLYMPIA, WA 98504
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: (360)705-7000
LEGAL EFFECTIVE DATE: 06/12/1996
LAND ORG NAME: WA DNR
LAND ORG TYPE: State
LAND PERSON NAME: Not reported

WA DOT FAUNTLEROY FERRY TERMINAL (Continued) **1000394344**

LAND ADDR LINE1:	1111 WAshington St SE
LAND CITY,ST,ZIP:	OLYMPIA, WA 98504-7027
LAND COUNTRY:	UNITED STATES
LAND PHONE NBR:	360-902-1100
OPERATOR ORG NAME:	Fauntieroy Ferry Terminal
OPERATOR ORG TYPE:	State
OPERATOR ADDR LINE1:	4829 SW Barton St
OPERATOR CITY,ST,ZIP:	SEATTLE, WA 98136
OPERATOR COUNTRY:	UNITED STATES
OPERATOR PHONE NBR:	206-464-6400
OPERATOR EFFECTIVE DATE:	01/01/1997
SITE CONTACT NAME:	Wayne D Casper
SITE CONTACT ADDR LINE1:	2901 3rd Avenue
SITE CONTACT ZIP:	SEATTLE, WA 98121-1012
SITE CONTACT COUNTRY:	UNITED STATES
SITE CONTACT PHONE NBR:	(206)515-3797
SITE CONTACT EMAIL:	casper@wsdot.wa.gov
FORM CONTACT NAME:	Wayne D Casper
FORM CONTACT ADDR LINE1:	2901 3rd Avenue
FORM CONTACT CITY,ST,ZIP:	SEATTLE, WA 98121-1012
FORM CONTACT COUNTRY:	UNITED STATES
FORM CONTACT PHONE NBR:	206515-3797
FORM CONTACT EMAIL:	casper@wsdot.wa.gov
GEN STATUS CD:	XQG
MONTHLY GENERATION:	FALSE
BATCH GENERATION:	FALSE
ONE TIME GENERATION:	FALSE
TRANSPORTS OWN WASTE:	FALSE
TRANSPORTS OTHRS WASTE:	FALSE
RECYCLER ONSITE:	FALSE
TRANSFER FACILITY:	FALSE
OTHER EXEMPTION:	Not reported
UW BATTERY GEN:	FALSE
USED OIL TRANSPORTER:	FALSE
USED OIL TRANSFER FACLTY:	FALSE
USED OIL PROCESSOR:	FALSE
USED OIL REREFINER:	FALSE
USED OIL FUEL MRKTR DIRECTS SHPMNTS:	FALSE
USED OIL FUEL MRKTR MEETS SPECS:	FALSE

Facility Site ID Number:	37212955
SWC Desc:	Not reported
FWC Desc:	Not reported
Form Comm:	Not reported
Data Year:	Not reported
Permit by Rule:	No
Treatment by Generator:	No
Mixed radioactive waste:	No
Importer of hazardous waste:	No
Immediate recycler:	No
Treatment/Storage/Disposal/Recycling Facility:	No
Generator of dangerous fuel waste:	No
Generator marketing to burner:	No
"Other marketers (i.e., blender, distributor, etc.)":	No
Utility boiler burner:	No
Industry boiler burner:	No
Industrial Furnace:	No

WA DOT FAUNTLEROY FERRY TERMINAL (Continued) **1000394344**

Smelter defferal:	No
Universal waste - batteries - generate:	No
Universal waste - thermostats - generate:	No
Universal waste - mercury - generate:	No
Universal waste - lamps - generate:	No
Universal waste - batteries - accumulate:	No
Universal waste - thermostats - accumulate:	No
Universal waste - mercury - accumulate:	No
Universal waste - lamps - accumulate:	No
Destination Facility for Universal Waste:	No
Off-specification used oil burner - utility boiler:	No
Off-specification used oil burner - industrial boiler:	No
Off-specification used oil burner - industrial furnace:	No
EPA ID:	WAD982657264
Facility Address 2:	Not reported
TAX REG NBR:	916001117
NAICS CD:	48321
BUSINESS TYPE:	Ferry Terminal
MAIL NAME:	Washington State Ferries
MAIL ADDR LINE1:	2901 3rd Avenue
MAIL CITY,ST,ZIP:	SEATTLE, WA 98121-1012
MAIL COUNTRY:	UNITED STATES
LEGAL ORG NAME:	WA DOT
LEGAL ORG TYPE:	State
LEGAL ADDR LINE1:	310 Maple Park
LEGAL CITY,ST,ZIP:	OLYMPIA, WA 98504
LEGAL COUNTRY:	UNITED STATES
LEGAL PHONE NBR:	(360)705-7000
LEGAL EFFECTIVE DATE:	06/12/1996
LAND ORG NAME:	WA DNR
LAND ORG TYPE:	State
LAND PERSON NAME:	Not reported
LAND ADDR LINE1:	1111 WAshington St SE
LAND CITY,ST,ZIP:	OLYMPIA, WA 98504-7027
LAND COUNTRY:	UNITED STATES
LAND PHONE NBR:	360-902-1100
OPERATOR ORG NAME:	Fauntieroy Ferry Terminal
OPERATOR ORG TYPE:	State
OPERATOR ADDR LINE1:	4829 SW Barton St
OPERATOR CITY,ST,ZIP:	SEATTLE, WA 98136
OPERATOR COUNTRY:	UNITED STATES
OPERATOR PHONE NBR:	206-464-6400
OPERATOR EFFECTIVE DATE:	01/01/1997
SITE CONTACT NAME:	Wayne D Casper
SITE CONTACT ADDR LINE1:	2901 3rd Avenue
SITE CONTACT ZIP:	SEATTLE, WA 98121-1012
SITE CONTACT COUNTRY:	UNITED STATES
SITE CONTACT PHONE NBR:	(206)515-3797
SITE CONTACT EMAIL:	casper@wsdot.wa.gov
FORM CONTACT NAME:	Wayne D Casper
FORM CONTACT ADDR LINE1:	2901 3rd Avenue
FORM CONTACT CITY,ST,ZIP:	SEATTLE, WA 98121-1012
FORM CONTACT COUNTRY:	UNITED STATES
FORM CONTACT PHONE NBR:	206515-3797
FORM CONTACT EMAIL:	casper@wsdot.wa.gov
GEN STATUS CD:	XQG
MONTHLY GENERATION:	No

WA DOT FAUNTLEROY FERRY TERMINAL (Continued) **1000394344**

BATCH GENERATION: No
ONE TIME GENERATION: No
TRANSPORTS OWN WASTE: No
TRANSPORTS OTHRS WASTE: No
RECYCLER ONSITE: No
TRANSFER FACILITY: No
OTHER EXEMPTION: Not reported
UW BATTERY GEN: No
USED OIL TRANSPORTER: No
USED OIL TRANSFER FACLTY: No
USED OIL PROCESSOR: No
USED OIL REREFINER: No
USED OIL FUEL MRKTR DIRECTS SHPMNTS: No
USED OIL FUEL MRKTR MEETS SPECS: No

Facility Site ID Number: 37212955
SWC Desc: Not reported
FWC Desc: Not reported
Form Comm: Not reported
Data Year: 2010
Permit by Rule: False
Treatment by Generator: False
Mixed radioactive waste: False
Importer of hazardous waste: False
Immediate recycler: False
Treatment/Storage/Disposal/Recycling Facility: False
Generator of dangerous fuel waste: False
Generator marketing to burner: False
"Other marketers (i.e., blender, distributor, etc.)": False
Utility boiler burner: False
Industry boiler burner: False
Industrial Furnace: False
Smelter defferal: False
Universal waste - batteries - generate: False
Universal waste - thermostats - generate: False
Universal waste - mercury - generate: False
Universal waste - lamps - generate: False
Universal waste - batteries - accumulate: False
Universal waste - thermostats - accumulate: False
Universal waste - mercury - accumulate: False
Universal waste - lamps - accumulate: False
Destination Facility for Universal Waste: False
Off-specification used oil burner - utility boiler: False
Off-specification used oil burner - industrial boiler: False
Off-specification used oil burner - industrial furnace: False
EPA ID: WAD982657264
Facility Address 2: Not reported
TAX REG NBR: 916001117
NAICS CD: 483212
BUSINESS TYPE: Ferry Terminal
MAIL NAME: Washington State Ferries
MAIL ADDR LINE1: 2901 3rd Avenue
MAIL CITY,ST,ZIP: SEATTLE, WA 98121-1012
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: WA DOT
LEGAL ORG TYPE: State
LEGAL ADDR LINE1: 310 Maple Park

WA DOT FAUNTLEROY FERRY TERMINAL (Continued) **1000394344**

LEGAL CITY,ST,ZIP:	OLYMPIA, WA 98504
LEGAL COUNTRY:	UNITED STATES
LEGAL PHONE NBR:	(360)705-7000
LEGAL EFFECTIVE DATE:	06/12/1996
LAND ORG NAME:	WA DNR
LAND ORG TYPE:	State
LAND PERSON NAME:	Not reported
LAND ADDR LINE1:	1111 WAshington St SE
LAND CITY,ST,ZIP:	OLYMPIA, WA 98504-7027
LAND COUNTRY:	UNITED STATES
LAND PHONE NBR:	360-902-1100
OPERATOR ORG NAME:	Fauntieroy Ferry Terminal
OPERATOR ORG TYPE:	State
OPERATOR ADDR LINE1:	4829 SW Barton St
OPERATOR CITY,ST,ZIP:	SEATTLE, WA 98136
OPERATOR COUNTRY:	UNITED STATES
OPERATOR PHONE NBR:	206-464-6400
OPERATOR EFFECTIVE DATE:	01/01/1997
SITE CONTACT NAME:	Wayne D Casper
SITE CONTACT ADDR LINE1:	2901 3rd Avenue
SITE CONTACT ZIP:	SEATTLE, WA 98121-1012
SITE CONTACT COUNTRY:	UNITED STATES
SITE CONTACT PHONE NBR:	(206)515-3797
SITE CONTACT EMAIL:	casper@wsdot.wa.gov
FORM CONTACT NAME:	Wayne D Casper
FORM CONTACT ADDR LINE1:	2901 3rd Avenue
FORM CONTACT CITY,ST,ZIP:	SEATTLE, WA 98121-1012
FORM CONTACT COUNTRY:	UNITED STATES
FORM CONTACT PHONE NBR:	206515-3797
FORM CONTACT EMAIL:	casper@wsdot.wa.gov
GEN STATUS CD:	XQG
MONTHLY GENERATION:	False
BATCH GENERATION:	False
ONE TIME GENERATION:	False
TRANSPORTS OWN WASTE:	False
TRANSPORTS OTHRS WASTE:	False
RECYCLER ONSITE:	False
TRANSFER FACILITY:	False
OTHER EXEMPTION:	Not reported
UW BATTERY GEN:	False
USED OIL TRANSPORTER:	False
USED OIL TRANSFER FACLTY:	False
USED OIL PROCESSOR:	False
USED OIL REREFINER:	False
USED OIL FUEL MRKTR DIRECTS SHPMNTS:	False
USED OIL FUEL MRKTR MEETS SPECS:	False

Click this hyperlink while viewing on your computer to access
3 additional WA MANIFEST: record(s) in the EDR Site Report.

SPILLS:

Facility ID:	603061
Medium:	Not reported
Material Desc:	SEWAGE/SLUDGE
Material Qty:	5
Material Units:	GALLON
Date Received:	01/03/2008

WA DOT FAUNTLEROY FERRY TERMINAL (Continued) **1000394344**

Contact Name: Not reported
EDR Link ID: 603061

Facility ID: 607286
Medium: Not reported
Material Desc: ALGAE
Material Qty: Not reported
Material Units: Not reported
Date Received: 07/19/2008
Contact Name: NATURE
EDR Link ID: 607286

13
NNE
1/8-1/4
0.222 mi.
1173 ft.

4319 SW CONCORD ST
SEATTLE, WA 98136

EDR US Hist Auto Stat **1015493260**
N/A

Relative:
Higher

Actual:
149 ft.

EDR Historical Auto Stations:
Name: AUTOMATED TELESERVICES
Year: 2008
Address: 4319 SW CONCORD ST

Name: AUTOMATED TELESERVICES
Year: 2009
Address: 4319 SW CONCORD ST

14
SW
1/4-1/2
0.375 mi.
1981 ft.

GARY MERLINO BULKHEAD REPAIR REPLACEMENT
9601 50TH AVE SW
SEATTLE, WA

FINDS **1011266886**
ALLSITES **N/A**

Relative:
Lower

Actual:
14 ft.

FINDS:

Registry ID: 110036124761

Environmental Interest/Information System
Washington Facility / Site Identification System (WA-FSIS) provides a means to query and display data maintained by the Washington Department of Ecology. This system contains key information for each facility/site that is currently, or has been, of interest to the Air Quality, Dam Safety, Hazardous Waste, Toxics Cleanup, and Water Quality Programs.

ALLSITES:
Facility Id: 2252431
Latitude: 47.5173223
Longitude: -122.40040
Ecology Interest Type Code: NONENFNL
Facility ID: 2252431
Facility Company: Gary Merlino Bulkhead Repair Replacement
Interaction: A
Interaction 1: 401PROJ
Interaction 2: 401CZM Project Site

GARY MERLINO BULKHEAD REPAIR REPLACEMENT (Continued) **1011266886**

Ecology Program:	SEA
Program Data:	AQUATICS
Facility Alt.:	Not reported
Program ID:	200600463
Date Interaction:	07/03/2007
Date Interaction 3:	07/03/2007
Facility ID:	2252431
Facility Company:	Gary Merlino Bulkhead Repair Replacement
Interaction:	A
Interaction 1:	NONENFNL
Interaction 2:	Non Enforcement Final
Ecology Program:	SEA
Program Data:	DMS
Facility Alt.:	Not reported
Program ID:	Not reported
Date Interaction:	07/03/2007
Date Interaction 3:	07/03/2007
Facility ID:	2252431
Facility Company:	Gary Merlino Bulkhead Repair Replacement
Interaction:	A
Interaction 1:	NONENFNL
Interaction 2:	Non Enforcement Final
Ecology Program:	SEA
Program Data:	DMS
Facility Alt.:	Not reported
Program ID:	Not reported
Date Interaction:	07/03/2007
Date Interaction 3:	07/03/2007
Facility ID:	2252431
Facility Company:	Gary Merlino Bulkhead Repair Replacement
Interaction:	A
Interaction 1:	NONENFNL
Interaction 2:	Non Enforcement Final
Ecology Program:	SEA
Program Data:	DMS
Facility Alt.:	Not reported
Program ID:	Not reported
Date Interaction:	07/03/2007
Date Interaction 3:	07/03/2007
Facility ID:	2252431
Facility Company:	Gary Merlino Bulkhead Repair Replacement
Interaction:	A
Interaction 1:	NONENFNL
Interaction 2:	Non Enforcement Final
Ecology Program:	SEA
Program Data:	DMS
Facility Alt.:	Not reported
Program ID:	Not reported
Date Interaction:	07/03/2007
Date Interaction 3:	07/03/2007
Facility ID:	2252431
Facility Company:	Gary Merlino Bulkhead Repair Replacement

GARY MERLINO BULKHEAD REPAIR REPLACEMENT (Continued) **1011266886**

Interaction:	A
Interaction 1:	NONENFNL
Interaction 2:	Non Enforcement Final
Ecology Program:	SEA
Program Data:	DMS
Facility Alt.:	Not reported
Program ID:	Not reported
Date Interaction:	07/03/2007
Date Interaction 3:	07/03/2007
Facility ID:	2252431
Facility Company:	Gary Merlino Bulkhead Repair Replacement
Interaction:	A
Interaction 1:	NONENFNL
Interaction 2:	Non Enforcement Final
Ecology Program:	SEA
Program Data:	DMS
Facility Alt.:	Not reported
Program ID:	Not reported
Date Interaction:	07/03/2007
Date Interaction 3:	07/03/2007
Facility ID:	2252431
Facility Company:	Gary Merlino Bulkhead Repair Replacement
Interaction:	A
Interaction 1:	NONENFNL
Interaction 2:	Non Enforcement Final
Ecology Program:	SEA
Program Data:	DMS
Facility Alt.:	Not reported
Program ID:	Not reported
Date Interaction:	07/03/2007
Date Interaction 3:	07/03/2007
Facility ID:	2252431
Facility Company:	Gary Merlino Bulkhead Repair Replacement
Interaction:	A
Interaction 1:	NONENFNL
Interaction 2:	Non Enforcement Final
Ecology Program:	SEA
Program Data:	DMS
Facility Alt.:	Not reported
Program ID:	Not reported
Date Interaction:	07/03/2007
Date Interaction 3:	07/03/2007
Facility ID:	2252431
Facility Company:	Gary Merlino Bulkhead Repair Replacement
Interaction:	A
Interaction 1:	NONENFNL
Interaction 2:	Non Enforcement Final
Ecology Program:	SEA
Program Data:	DMS
Facility Alt.:	Not reported
Program ID:	Not reported
Date Interaction:	07/03/2007
Date Interaction 3:	07/03/2007

GARY MERLINO BULKHEAD REPAIR REPLACEMENT (Continued) **1011266886**

Facility ID:	2252431
Facility Company:	Gary Merlino Bulkhead Repair Replacement
Interaction:	A
Interaction 1:	NONENFNL
Interaction 2:	Non Enforcement Final
Ecology Program:	SEA
Program Data:	DMS
Facility Alt.:	Not reported
Program ID:	Not reported
Date Interaction:	07/03/2007
Date Interaction 3:	07/03/2007

Facility ID:	2252431
Facility Company:	Gary Merlino Bulkhead Repair Replacement
Interaction:	A
Interaction 1:	NONENFNL
Interaction 2:	Non Enforcement Final
Ecology Program:	SEA
Program Data:	DMS
Facility Alt.:	Not reported
Program ID:	Not reported
Date Interaction:	07/03/2007
Date Interaction 3:	07/03/2007

Facility Id:	2252431
Latitude:	47.5173223
Longitude:	-122.40040
Ecology Interest Type Code:	401PROJ
Facility ID:	2252431
Facility Company:	Gary Merlino Bulkhead Repair Replacement
Interaction:	A
Interaction 1:	401PROJ
Interaction 2:	401CZM Project Site
Ecology Program:	SEA
Program Data:	AQUATICS
Facility Alt.:	Not reported
Program ID:	200600463
Date Interaction:	07/03/2007
Date Interaction 3:	07/03/2007

Facility ID:	2252431
Facility Company:	Gary Merlino Bulkhead Repair Replacement
Interaction:	A
Interaction 1:	NONENFNL
Interaction 2:	Non Enforcement Final
Ecology Program:	SEA
Program Data:	DMS
Facility Alt.:	Not reported
Program ID:	Not reported
Date Interaction:	07/03/2007
Date Interaction 3:	07/03/2007

Facility ID:	2252431
Facility Company:	Gary Merlino Bulkhead Repair Replacement
Interaction:	A
Interaction 1:	NONENFNL

GARY MERLINO BULKHEAD REPAIR REPLACEMENT (Continued) **1011266886**

Interaction 2:	Non Enforcement Final
Ecology Program:	SEA
Program Data:	DMS
Facility Alt.:	Not reported
Program ID:	Not reported
Date Interaction:	07/03/2007
Date Interaction 3:	07/03/2007
Facility ID:	2252431
Facility Company:	Gary Merlino Bulkhead Repair Replacement
Interaction:	A
Interaction 1:	NONENFNL
Interaction 2:	Non Enforcement Final
Ecology Program:	SEA
Program Data:	DMS
Facility Alt.:	Not reported
Program ID:	Not reported
Date Interaction:	07/03/2007
Date Interaction 3:	07/03/2007
Facility ID:	2252431
Facility Company:	Gary Merlino Bulkhead Repair Replacement
Interaction:	A
Interaction 1:	NONENFNL
Interaction 2:	Non Enforcement Final
Ecology Program:	SEA
Program Data:	DMS
Facility Alt.:	Not reported
Program ID:	Not reported
Date Interaction:	07/03/2007
Date Interaction 3:	07/03/2007
Facility ID:	2252431
Facility Company:	Gary Merlino Bulkhead Repair Replacement
Interaction:	A
Interaction 1:	NONENFNL
Interaction 2:	Non Enforcement Final
Ecology Program:	SEA
Program Data:	DMS
Facility Alt.:	Not reported
Program ID:	Not reported
Date Interaction:	07/03/2007
Date Interaction 3:	07/03/2007
Facility ID:	2252431
Facility Company:	Gary Merlino Bulkhead Repair Replacement
Interaction:	A
Interaction 1:	NONENFNL
Interaction 2:	Non Enforcement Final
Ecology Program:	SEA
Program Data:	DMS
Facility Alt.:	Not reported
Program ID:	Not reported
Date Interaction:	07/03/2007
Date Interaction 3:	07/03/2007
Facility ID:	2252431

GARY MERLINO BULKHEAD REPAIR REPLACEMENT (Continued) **1011266886**

Facility Company:	Gary Merlino Bulkhead Repair Replacement
Interaction:	A
Interaction 1:	NONENFNL
Interaction 2:	Non Enforcement Final
Ecology Program:	SEA
Program Data:	DMS
Facility Alt.:	Not reported
Program ID:	Not reported
Date Interaction:	07/03/2007
Date Interaction 3:	07/03/2007
Facility ID:	2252431
Facility Company:	Gary Merlino Bulkhead Repair Replacement
Interaction:	A
Interaction 1:	NONENFNL
Interaction 2:	Non Enforcement Final
Ecology Program:	SEA
Program Data:	DMS
Facility Alt.:	Not reported
Program ID:	Not reported
Date Interaction:	07/03/2007
Date Interaction 3:	07/03/2007
Facility ID:	2252431
Facility Company:	Gary Merlino Bulkhead Repair Replacement
Interaction:	A
Interaction 1:	NONENFNL
Interaction 2:	Non Enforcement Final
Ecology Program:	SEA
Program Data:	DMS
Facility Alt.:	Not reported
Program ID:	Not reported
Date Interaction:	07/03/2007
Date Interaction 3:	07/03/2007
Facility ID:	2252431
Facility Company:	Gary Merlino Bulkhead Repair Replacement
Interaction:	A
Interaction 1:	NONENFNL
Interaction 2:	Non Enforcement Final
Ecology Program:	SEA
Program Data:	DMS
Facility Alt.:	Not reported
Program ID:	Not reported
Date Interaction:	07/03/2007
Date Interaction 3:	07/03/2007
Facility ID:	2252431
Facility Company:	Gary Merlino Bulkhead Repair Replacement
Interaction:	A
Interaction 1:	NONENFNL
Interaction 2:	Non Enforcement Final
Ecology Program:	SEA
Program Data:	DMS
Facility Alt.:	Not reported
Program ID:	Not reported
Date Interaction:	07/03/2007

GARY MERLINO BULKHEAD REPAIR REPLACEMENT (Continued) **1011266886**

Date Interaction 3: 07/03/2007

15
East
1/4-1/2
0.391 mi.
2062 ft.

SEATTLE PUBLIC UTILITIES SW BARTON WATER
3816 SW BARTON
SEATTLE, WA 98126

CSCSL **S104918044**
ALLSITES **N/A**

Relative:
Higher

Actual:
275 ft.

CSCSL:

Facility ID:	62984688
Region:	Northwest
Lat/Long:	47.521138000000 / -122.3809130000
Brownfield Status:	Not reported
Rank Status:	Not reported
Clean Up Siteid:	1007
Site Status:	Awaiting Cleanup
PSI?:	Not reported
Contaminant Name:	Metals Priority Pollutants
Ground Water:	Not reported
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Level
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Responsible Unit:	Northwest

ALLSITES:

Facility Id:	62984688
Latitude:	47.521138
Longitude:	-122.38091
Ecology Interest Type Code:	VOLCLNST
Facility ID:	62984688
Facility Company:	SEATTLE PUBLIC UTILITIES SW BARTON WATER
Interaction:	I
Interaction 1:	SCS
Interaction 2:	State Cleanup Site
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	SEATTLE PUBLIC UTILITIES SW BARTON WATER
Program ID:	Not reported
Date Interaction:	12/19/1994
Date Interaction 3:	12/19/1994
Facility ID:	62984688
Facility Company:	SEATTLE PUBLIC UTILITIES SW BARTON WATER
Interaction:	I
Interaction 1:	VOLCLNST
Interaction 2:	Voluntary Cleanup Sites
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	SEATTLE PUBLIC UTILITIES SW BARTON WATER
Program ID:	NW0319
Date Interaction:	02/02/1999
Date Interaction 3:	02/02/1999
Facility ID:	62984688

SEATTLE PUBLIC UTILITIES SW BARTON WATER (Continued) **S104918044**

Facility Company:	SEATTLE PUBLIC UTILITIES SW BARTON WATER
Interaction:	A
Interaction 1:	SCS
Interaction 2:	State Cleanup Site
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	SEATTLE PUBLIC UTILITIES SW BARTON WATER
Program ID:	Not reported
Date Interaction:	08/17/2007
Date Interaction 3:	08/17/2007

Facility Id:	62984688
Latitude:	47.521138
Longitude:	-122.38091
Ecology Interest Type Code:	SCS
Facility ID:	62984688
Facility Company:	SEATTLE PUBLIC UTILITIES SW BARTON WATER
Interaction:	I
Interaction 1:	SCS
Interaction 2:	State Cleanup Site
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	SEATTLE PUBLIC UTILITIES SW BARTON WATER
Program ID:	Not reported
Date Interaction:	12/19/1994
Date Interaction 3:	12/19/1994

Facility ID:	62984688
Facility Company:	SEATTLE PUBLIC UTILITIES SW BARTON WATER
Interaction:	I
Interaction 1:	VOLCLNST
Interaction 2:	Voluntary Cleanup Sites
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	SEATTLE PUBLIC UTILITIES SW BARTON WATER
Program ID:	NW0319
Date Interaction:	02/02/1999
Date Interaction 3:	02/02/1999

Facility ID:	62984688
Facility Company:	SEATTLE PUBLIC UTILITIES SW BARTON WATER
Interaction:	A
Interaction 1:	SCS
Interaction 2:	State Cleanup Site
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	SEATTLE PUBLIC UTILITIES SW BARTON WATER
Program ID:	Not reported
Date Interaction:	08/17/2007
Date Interaction 3:	08/17/2007

16
East
1/4-1/2
0.473 mi.
2498 ft.

SEATTLE PUBLIC WORKS (TWO REPORTS)
38TH AVE. SW & SW BARTON ST.
SEATTLE, WA 98136

ICR **S105454218**
N/A

Relative:
Higher

Actual:
297 ft.

ICR:

Date Ecology Received Report:	09/17/99
Contaminants Found at Site:	Metals
Media Contaminated:	Soil
Waste Management:	Not reported
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-18
County Code:	17
Contact:	Not reported
Report Title:	Not reported

17
East
1/2-1
0.614 mi.
3241 ft.

TEXACO STATION 121668
9200 35TH AVE SW
SEATTLE, WA

RCRA NonGen / NLR **1000838324**
FINDS **WAD988510913**
CSCSL
ALLSITES
LUST
UST
MANIFEST
VCP
Financial Assurance

Relative:
Higher

Actual:
312 ft.

RCRA NonGen / NLR:

Date form received by agency:	08/05/2011
Facility name:	TEXACO STATION 121668
Facility address:	9200 35TH AVE SW SEATTLE, WA 98126
EPA ID:	WAD988510913
Mailing address:	P O BOX 3127 HOUSTON, TX 77067-2508
Contact:	SHELL OIL PRODU SHELL OIL PRODU
Contact address:	P O BOX 3127 HOUSTON, TX 77067-2508
Contact country:	US
Contact telephone:	(000)000-0000
Contact email:	Not reported
EPA Region:	10
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	EQUILON ENTERPRISES LLC DBA SHELL OIL PR
Owner/operator address:	PO BOX 4453 MFT226 HOUSTON, TX 77210
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	08/01/1998
Owner/Op end date:	Not reported
Owner/operator name:	EQUILION ENTERP E
Owner/operator address:	P O BOX 3127

TEXACO STATION 121668 (Continued) **1000838324**

HOUSTON, TX 77067
Owner/operator country: US
Owner/operator telephone: (281)874-2247
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/26/1996
Owner/Op end date: Not reported

Owner/operator name: EQUILION ENTERPRISES LLC DBA SHELL OIL P
Owner/operator address: PO BOX 4453 MFT226
HOUSTON, TX 77210
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/26/1996
Owner/Op end date: Not reported

Owner/operator name: EQUILON ENTERPR E
Owner/operator address: PO BOX 2099
HOUSTON, TX 77252
Owner/operator country: US
Owner/operator telephone: (281)874-2247
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 08/01/1998
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/26/2010
Facility name: TEXACO STATION 121668
Classification: Not a generator, verified

Date form received by agency: 12/31/2007
Facility name: TEXACO STATION 121668
Classification: Not a generator, verified

Date form received by agency: 12/31/2005
Facility name: TEXACO STATION 121668

TEXACO STATION 121668 (Continued) **1000838324**

Classification: Not a generator, verified

Date form received by agency: 12/31/2003
Facility name: TEXACO STATION 121668
Classification: Not a generator, verified

Date form received by agency: 03/31/1994
Facility name: TEXACO STATION 121668
Site name: TEXACO REFINING & MKTG INC.
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110005378554

Environmental Interest/Information System
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RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

CSCSL:
Facility ID: 69836768
Region: Northwest
Lat/Long: 47.520580000000 / -122.37647
Brownfield Status: Not reported
Rank Status: Not reported
Clean Up Siteid: 6533
Site Status: Cleanup Started
PSI?: Not reported
Contaminant Name: Benzene
Ground Water: Confirmed Above Cleanup Level
Surface Water: Not reported
Soil: Confirmed Above Cleanup Level
Sediment: Not reported
Air: Not reported
Bedrock: Not reported
Responsible Unit: Northwest

Facility ID: 69836768
Region: Northwest
Lat/Long: 47.520580000000 / -122.37647
Brownfield Status: Not reported

TEXACO STATION 121668 (Continued) **1000838324**

Rank Status:	Not reported
Clean Up Siteid:	6533
Site Status:	Cleanup Started
PSI?:	Not reported
Contaminant Name:	Non-Halogenated Solvents
Ground Water:	Confirmed Above Cleanup Level
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Level
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Responsible Unit:	Northwest

Facility ID:	69836768
Region:	Northwest
Lat/Long:	47.520580000000 / -122.37647
Brownfield Status:	Not reported
Rank Status:	Not reported
Clean Up Siteid:	6533
Site Status:	Cleanup Started
PSI?:	Not reported
Contaminant Name:	Petroleum-Diesel
Ground Water:	Confirmed Above Cleanup Level
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Level
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Responsible Unit:	Northwest

Facility ID:	69836768
Region:	Northwest
Lat/Long:	47.520580000000 / -122.37647
Brownfield Status:	Not reported
Rank Status:	Not reported
Clean Up Siteid:	6533
Site Status:	Cleanup Started
PSI?:	Not reported
Contaminant Name:	Petroleum-Gasoline
Ground Water:	Confirmed Above Cleanup Level
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Level
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Responsible Unit:	Northwest

ALLSITES:

Facility Id:	69836768
Latitude:	47.52058
Longitude:	-122.37647
Ecology Interest Type Code:	VOLCLNST
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	TIER2
Interaction 2:	Emergency/Haz Chem Rpt TIER2

TEXACO STATION 121668 (Continued) **1000838324**

Ecology Program:	HAZWASTE
Program Data:	EPCRA
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	01/01/1988
Date Interaction 3:	01/01/1988
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWG
Interaction 2:	Hazardous Waste Generator
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	08/19/1992
Date Interaction 3:	08/19/1992
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWP
Interaction 2:	Hazardous Waste Planner
Ecology Program:	HAZWASTE
Program Data:	HWPPRT
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	01/01/1995
Date Interaction 3:	01/01/1995
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	A
Interaction 1:	UST
Interaction 2:	Underground Storage Tank
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	7-Eleven 2361-34475H
Program ID:	3353
Date Interaction:	03/20/2000
Date Interaction 3:	03/20/2000
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWOTHER
Interaction 2:	Haz Waste Management Activity
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	12/31/2002
Date Interaction 3:	12/31/2002
Facility ID:	69836768
Facility Company:	Texaco Station 121668

TEXACO STATION 121668 (Continued) **1000838324**

Interaction:	I
Interaction 1:	HWG
Interaction 2:	Hazardous Waste Generator
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	10/21/2005
Date Interaction 3:	10/21/2005
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	VOLCLNST
Interaction 2:	Voluntary Cleanup Sites
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Texaco Station 121668
Program ID:	NW0715
Date Interaction:	06/19/2001
Date Interaction 3:	06/19/2001
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	SCS
Interaction 2:	State Cleanup Site
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Shell 9200 35th AVE Seattle
Program ID:	Not reported
Date Interaction:	02/26/2007
Date Interaction 3:	02/26/2007
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	A
Interaction 1:	LUST
Interaction 2:	LUST Facility
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Not reported
Program ID:	3353
Date Interaction:	10/03/1990
Date Interaction 3:	10/03/1990
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWOTHER
Interaction 2:	Haz Waste Management Activity
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Texaco Station 121668
Program ID:	WAD988510913
Date Interaction:	12/31/2006
Date Interaction 3:	12/31/2006

TEXACO STATION 121668 (Continued) **1000838324**

Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	A
Interaction 1:	VOLCLNST
Interaction 2:	Voluntary Cleanup Sites
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Shell 9200 35th Ave Seattle
Program ID:	NW2099
Date Interaction:	02/19/2009
Date Interaction 3:	02/19/2009

Facility Id:	69836768
Latitude:	47.52058
Longitude:	-122.37647
Ecology Interest Type Code:	HWOTHER
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	TIER2
Interaction 2:	Emergency/Haz Chem Rpt TIER2
Ecology Program:	HAZWASTE
Program Data:	EPCRA
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	01/01/1988
Date Interaction 3:	01/01/1988

Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWG
Interaction 2:	Hazardous Waste Generator
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	08/19/1992
Date Interaction 3:	08/19/1992

Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWP
Interaction 2:	Hazardous Waste Planner
Ecology Program:	HAZWASTE
Program Data:	HWPPRT
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	01/01/1995
Date Interaction 3:	01/01/1995

Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	A
Interaction 1:	UST

TEXACO STATION 121668 (Continued) **1000838324**

Interaction 2:	Underground Storage Tank
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	7-Eleven 2361-34475H
Program ID:	3353
Date Interaction:	03/20/2000
Date Interaction 3:	03/20/2000
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWOTHER
Interaction 2:	Haz Waste Management Activity
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	12/31/2002
Date Interaction 3:	12/31/2002
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWG
Interaction 2:	Hazardous Waste Generator
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	10/21/2005
Date Interaction 3:	10/21/2005
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	VOLCLNST
Interaction 2:	Voluntary Cleanup Sites
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Texaco Station 121668
Program ID:	NW0715
Date Interaction:	06/19/2001
Date Interaction 3:	06/19/2001
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	SCS
Interaction 2:	State Cleanup Site
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Shell 9200 35th AVE Seattle
Program ID:	Not reported
Date Interaction:	02/26/2007
Date Interaction 3:	02/26/2007
Facility ID:	69836768

TEXACO STATION 121668 (Continued) **1000838324**

Facility Company:	Texaco Station 121668
Interaction:	A
Interaction 1:	LUST
Interaction 2:	LUST Facility
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Not reported
Program ID:	3353
Date Interaction:	10/03/1990
Date Interaction 3:	10/03/1990

Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWOTHER
Interaction 2:	Haz Waste Management Activity
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Texaco Station 121668
Program ID:	WAD988510913
Date Interaction:	12/31/2006
Date Interaction 3:	12/31/2006

Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	A
Interaction 1:	VOLCLNST
Interaction 2:	Voluntary Cleanup Sites
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Shell 9200 35th Ave Seattle
Program ID:	NW2099
Date Interaction:	02/19/2009
Date Interaction 3:	02/19/2009

Facility Id:	69836768
Latitude:	47.52058
Longitude:	-122.37647
Ecology Interest Type Code:	TIER2
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	TIER2
Interaction 2:	Emergency/Haz Chem Rpt TIER2
Ecology Program:	HAZWASTE
Program Data:	EPCRA
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	01/01/1988
Date Interaction 3:	01/01/1988

Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWG
Interaction 2:	Hazardous Waste Generator

TEXACO STATION 121668 (Continued) **1000838324**

Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	08/19/1992
Date Interaction 3:	08/19/1992
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWP
Interaction 2:	Hazardous Waste Planner
Ecology Program:	HAZWASTE
Program Data:	HWPPRT
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	01/01/1995
Date Interaction 3:	01/01/1995
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	A
Interaction 1:	UST
Interaction 2:	Underground Storage Tank
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	7-Eleven 2361-34475H
Program ID:	3353
Date Interaction:	03/20/2000
Date Interaction 3:	03/20/2000
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWOTHER
Interaction 2:	Haz Waste Management Activity
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	12/31/2002
Date Interaction 3:	12/31/2002
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWG
Interaction 2:	Hazardous Waste Generator
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	10/21/2005
Date Interaction 3:	10/21/2005
Facility ID:	69836768
Facility Company:	Texaco Station 121668

TEXACO STATION 121668 (Continued) **1000838324**

Interaction:	I
Interaction 1:	VOLCLNST
Interaction 2:	Voluntary Cleanup Sites
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Texaco Station 121668
Program ID:	NW0715
Date Interaction:	06/19/2001
Date Interaction 3:	06/19/2001
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	SCS
Interaction 2:	State Cleanup Site
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Shell 9200 35th AVE Seattle
Program ID:	Not reported
Date Interaction:	02/26/2007
Date Interaction 3:	02/26/2007
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	A
Interaction 1:	LUST
Interaction 2:	LUST Facility
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Not reported
Program ID:	3353
Date Interaction:	10/03/1990
Date Interaction 3:	10/03/1990
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWOTHER
Interaction 2:	Haz Waste Management Activity
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Texaco Station 121668
Program ID:	WAD988510913
Date Interaction:	12/31/2006
Date Interaction 3:	12/31/2006
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	A
Interaction 1:	VOLCLNST
Interaction 2:	Voluntary Cleanup Sites
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Shell 9200 35th Ave Seattle
Program ID:	NW2099
Date Interaction:	02/19/2009
Date Interaction 3:	02/19/2009

TEXACO STATION 121668 (Continued) **1000838324**

Facility Id:	69836768
Latitude:	47.52058
Longitude:	-122.37647
Ecology Interest Type Code:	UST
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	TIER2
Interaction 2:	Emergency/Haz Chem Rpt TIER2
Ecology Program:	HAZWASTE
Program Data:	EPCRA
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	01/01/1988
Date Interaction 3:	01/01/1988
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWG
Interaction 2:	Hazardous Waste Generator
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	08/19/1992
Date Interaction 3:	08/19/1992
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWP
Interaction 2:	Hazardous Waste Planner
Ecology Program:	HAZWASTE
Program Data:	HWPPRT
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	01/01/1995
Date Interaction 3:	01/01/1995
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	A
Interaction 1:	UST
Interaction 2:	Underground Storage Tank
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	7-Eleven 2361-34475H
Program ID:	3353
Date Interaction:	03/20/2000
Date Interaction 3:	03/20/2000
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWOTHER
Interaction 2:	Haz Waste Management Activity

TEXACO STATION 121668 (Continued) **1000838324**

Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	12/31/2002
Date Interaction 3:	12/31/2002
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWG
Interaction 2:	Hazardous Waste Generator
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	10/21/2005
Date Interaction 3:	10/21/2005
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	VOLCLNST
Interaction 2:	Voluntary Cleanup Sites
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Texaco Station 121668
Program ID:	NW0715
Date Interaction:	06/19/2001
Date Interaction 3:	06/19/2001
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	SCS
Interaction 2:	State Cleanup Site
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Shell 9200 35th AVE Seattle
Program ID:	Not reported
Date Interaction:	02/26/2007
Date Interaction 3:	02/26/2007
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	A
Interaction 1:	LUST
Interaction 2:	LUST Facility
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Not reported
Program ID:	3353
Date Interaction:	10/03/1990
Date Interaction 3:	10/03/1990
Facility ID:	69836768
Facility Company:	Texaco Station 121668

TEXACO STATION 121668 (Continued) **1000838324**

Interaction:	I
Interaction 1:	HWOTHER
Interaction 2:	Haz Waste Management Activity
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Texaco Station 121668
Program ID:	WAD988510913
Date Interaction:	12/31/2006
Date Interaction 3:	12/31/2006

Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	A
Interaction 1:	VOLCLNST
Interaction 2:	Voluntary Cleanup Sites
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Shell 9200 35th Ave Seattle
Program ID:	NW2099
Date Interaction:	02/19/2009
Date Interaction 3:	02/19/2009

Facility Id:	69836768
Latitude:	47.52058
Longitude:	-122.37647
Ecology Interest Type Code:	HWG
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	TIER2
Interaction 2:	Emergency/Haz Chem Rpt TIER2
Ecology Program:	HAZWASTE
Program Data:	EPCRA
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	01/01/1988
Date Interaction 3:	01/01/1988

Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWG
Interaction 2:	Hazardous Waste Generator
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	08/19/1992
Date Interaction 3:	08/19/1992

Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWP
Interaction 2:	Hazardous Waste Planner
Ecology Program:	HAZWASTE

TEXACO STATION 121668 (Continued) **1000838324**

Program Data:	HWPPRT
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	01/01/1995
Date Interaction 3:	01/01/1995
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	A
Interaction 1:	UST
Interaction 2:	Underground Storage Tank
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	7-Eleven 2361-34475H
Program ID:	3353
Date Interaction:	03/20/2000
Date Interaction 3:	03/20/2000
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWOTHER
Interaction 2:	Haz Waste Management Activity
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	12/31/2002
Date Interaction 3:	12/31/2002
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWG
Interaction 2:	Hazardous Waste Generator
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	10/21/2005
Date Interaction 3:	10/21/2005
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	VOLCLNST
Interaction 2:	Voluntary Cleanup Sites
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Texaco Station 121668
Program ID:	NW0715
Date Interaction:	06/19/2001
Date Interaction 3:	06/19/2001
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I

TEXACO STATION 121668 (Continued) **1000838324**

Interaction 1:	SCS
Interaction 2:	State Cleanup Site
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Shell 9200 35th AVE Seattle
Program ID:	Not reported
Date Interaction:	02/26/2007
Date Interaction 3:	02/26/2007
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	A
Interaction 1:	LUST
Interaction 2:	LUST Facility
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Not reported
Program ID:	3353
Date Interaction:	10/03/1990
Date Interaction 3:	10/03/1990
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWOTHER
Interaction 2:	Haz Waste Management Activity
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Texaco Station 121668
Program ID:	WAD988510913
Date Interaction:	12/31/2006
Date Interaction 3:	12/31/2006
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	A
Interaction 1:	VOLCLNST
Interaction 2:	Voluntary Cleanup Sites
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Shell 9200 35th Ave Seattle
Program ID:	NW2099
Date Interaction:	02/19/2009
Date Interaction 3:	02/19/2009
Facility Id:	69836768
Latitude:	47.52058
Longitude:	-122.37647
Ecology Interest Type Code:	HWP
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	TIER2
Interaction 2:	Emergency/Haz Chem Rpt TIER2
Ecology Program:	HAZWASTE
Program Data:	EPCRA

TEXACO STATION 121668 (Continued) **1000838324**

Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	01/01/1988
Date Interaction 3:	01/01/1988
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWG
Interaction 2:	Hazardous Waste Generator
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	08/19/1992
Date Interaction 3:	08/19/1992
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWP
Interaction 2:	Hazardous Waste Planner
Ecology Program:	HAZWASTE
Program Data:	HWPPRT
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	01/01/1995
Date Interaction 3:	01/01/1995
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	A
Interaction 1:	UST
Interaction 2:	Underground Storage Tank
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	7-Eleven 2361-34475H
Program ID:	3353
Date Interaction:	03/20/2000
Date Interaction 3:	03/20/2000
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWOTHER
Interaction 2:	Haz Waste Management Activity
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	12/31/2002
Date Interaction 3:	12/31/2002
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWG

TEXACO STATION 121668 (Continued) **1000838324**

Interaction 2:	Hazardous Waste Generator
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	10/21/2005
Date Interaction 3:	10/21/2005
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	VOLCLNST
Interaction 2:	Voluntary Cleanup Sites
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Texaco Station 121668
Program ID:	NW0715
Date Interaction:	06/19/2001
Date Interaction 3:	06/19/2001
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	SCS
Interaction 2:	State Cleanup Site
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Shell 9200 35th AVE Seattle
Program ID:	Not reported
Date Interaction:	02/26/2007
Date Interaction 3:	02/26/2007
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	A
Interaction 1:	LUST
Interaction 2:	LUST Facility
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Not reported
Program ID:	3353
Date Interaction:	10/03/1990
Date Interaction 3:	10/03/1990
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWOTHER
Interaction 2:	Haz Waste Management Activity
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Texaco Station 121668
Program ID:	WAD988510913
Date Interaction:	12/31/2006
Date Interaction 3:	12/31/2006
Facility ID:	69836768

TEXACO STATION 121668 (Continued) **1000838324**

Facility Company: Texaco Station 121668
Interaction: A
Interaction 1: VOLCLNST
Interaction 2: Voluntary Cleanup Sites
Ecology Program: TOXICS
Program Data: ISIS
Facility Alt.: Shell 9200 35th Ave Seattle
Program ID: NW2099
Date Interaction: 02/19/2009
Date Interaction 3: 02/19/2009

Facility Id: 69836768
Latitude: 47.52058
Longitude: -122.37647
Ecology Interest Type Code: LUST
Facility ID: 69836768
Facility Company: Texaco Station 121668
Interaction: I
Interaction 1: TIER2
Interaction 2: Emergency/Haz Chem Rpt TIER2
Ecology Program: HAZWASTE
Program Data: EPCRA
Facility Alt.: Not reported
Program ID: WAD988510913
Date Interaction: 01/01/1988
Date Interaction 3: 01/01/1988

Facility ID: 69836768
Facility Company: Texaco Station 121668
Interaction: I
Interaction 1: HWG
Interaction 2: Hazardous Waste Generator
Ecology Program: HAZWASTE
Program Data: TURBOWASTE
Facility Alt.: Not reported
Program ID: WAD988510913
Date Interaction: 08/19/1992
Date Interaction 3: 08/19/1992

Facility ID: 69836768
Facility Company: Texaco Station 121668
Interaction: I
Interaction 1: HWP
Interaction 2: Hazardous Waste Planner
Ecology Program: HAZWASTE
Program Data: HWPPRT
Facility Alt.: Not reported
Program ID: WAD988510913
Date Interaction: 01/01/1995
Date Interaction 3: 01/01/1995

Facility ID: 69836768
Facility Company: Texaco Station 121668
Interaction: A
Interaction 1: UST
Interaction 2: Underground Storage Tank

TEXACO STATION 121668 (Continued) **1000838324**

Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	7-Eleven 2361-34475H
Program ID:	3353
Date Interaction:	03/20/2000
Date Interaction 3:	03/20/2000
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWOTHER
Interaction 2:	Haz Waste Management Activity
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	12/31/2002
Date Interaction 3:	12/31/2002
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWG
Interaction 2:	Hazardous Waste Generator
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	10/21/2005
Date Interaction 3:	10/21/2005
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	VOLCLNST
Interaction 2:	Voluntary Cleanup Sites
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Texaco Station 121668
Program ID:	NW0715
Date Interaction:	06/19/2001
Date Interaction 3:	06/19/2001
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	SCS
Interaction 2:	State Cleanup Site
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Shell 9200 35th AVE Seattle
Program ID:	Not reported
Date Interaction:	02/26/2007
Date Interaction 3:	02/26/2007
Facility ID:	69836768
Facility Company:	Texaco Station 121668

TEXACO STATION 121668 (Continued) **1000838324**

Interaction:	A
Interaction 1:	LUST
Interaction 2:	LUST Facility
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Not reported
Program ID:	3353
Date Interaction:	10/03/1990
Date Interaction 3:	10/03/1990

Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWOTHER
Interaction 2:	Haz Waste Management Activity
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Texaco Station 121668
Program ID:	WAD988510913
Date Interaction:	12/31/2006
Date Interaction 3:	12/31/2006

Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	A
Interaction 1:	VOLCLNST
Interaction 2:	Voluntary Cleanup Sites
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Shell 9200 35th Ave Seattle
Program ID:	NW2099
Date Interaction:	02/19/2009
Date Interaction 3:	02/19/2009

Facility Id:	69836768
Latitude:	47.52058
Longitude:	-122.37647
Ecology Interest Type Code:	SCS
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	TIER2
Interaction 2:	Emergency/Haz Chem Rpt TIER2
Ecology Program:	HAZWASTE
Program Data:	EPCRA
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	01/01/1988
Date Interaction 3:	01/01/1988

Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWG
Interaction 2:	Hazardous Waste Generator
Ecology Program:	HAZWASTE

TEXACO STATION 121668 (Continued) **1000838324**

Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	08/19/1992
Date Interaction 3:	08/19/1992
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWP
Interaction 2:	Hazardous Waste Planner
Ecology Program:	HAZWASTE
Program Data:	HWPPRT
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	01/01/1995
Date Interaction 3:	01/01/1995
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	A
Interaction 1:	UST
Interaction 2:	Underground Storage Tank
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	7-Eleven 2361-34475H
Program ID:	3353
Date Interaction:	03/20/2000
Date Interaction 3:	03/20/2000
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWOTHER
Interaction 2:	Haz Waste Management Activity
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	12/31/2002
Date Interaction 3:	12/31/2002
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWG
Interaction 2:	Hazardous Waste Generator
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988510913
Date Interaction:	10/21/2005
Date Interaction 3:	10/21/2005
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I

TEXACO STATION 121668 (Continued) **1000838324**

Interaction 1:	VOLCLNST
Interaction 2:	Voluntary Cleanup Sites
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Texaco Station 121668
Program ID:	NW0715
Date Interaction:	06/19/2001
Date Interaction 3:	06/19/2001
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	SCS
Interaction 2:	State Cleanup Site
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Shell 9200 35th AVE Seattle
Program ID:	Not reported
Date Interaction:	02/26/2007
Date Interaction 3:	02/26/2007
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	A
Interaction 1:	LUST
Interaction 2:	LUST Facility
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Not reported
Program ID:	3353
Date Interaction:	10/03/1990
Date Interaction 3:	10/03/1990
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	I
Interaction 1:	HWOTHER
Interaction 2:	Haz Waste Management Activity
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Texaco Station 121668
Program ID:	WAD988510913
Date Interaction:	12/31/2006
Date Interaction 3:	12/31/2006
Facility ID:	69836768
Facility Company:	Texaco Station 121668
Interaction:	A
Interaction 1:	VOLCLNST
Interaction 2:	Voluntary Cleanup Sites
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Shell 9200 35th Ave Seattle
Program ID:	NW2099
Date Interaction:	02/19/2009
Date Interaction 3:	02/19/2009

TEXACO STATION 121668 (Continued) **1000838324**

LUST:

Facility ID:	69836768
Facility Status:	Cleanup Started
Cleanup Site ID:	6533
Cleanup Unit Type:	Upland
Process Type:	Voluntary Cleanup Program
Alternate Name:	SHELL
Release Status Date:	10/03/1990
Site Response Unit Code:	Northwest
Lat/Long:	47.52058 / -122.37647

UST:

Facility ID:	69836768
Site Id:	3353
UBI:	5780704900010396
Phone Number:	9728287453
Decimal Latitude:	47.520580000000002
Decimal Longitude:	-122.37647
Tank Name:	1
Tag Number:	A0386, A5555, A8533
Tank Status:	Removed
Tank Status Date:	08/06/1996
Tank Install Date:	00/31/1964
Tank Closure Date:	Not reported
Capacity Range:	111 TO 1,100 Gallons
Tank Permit Expiration Date:	07/01/1993
Tank Upgrade Date:	Not reported
Tank Spill Prevention:	Spill Bucket/Spill Box
Tank Overfill Prevention:	Overfill Alarm
Tank Material:	Fiberglass Reinforced Plastic
Tank Construction:	Double Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Corrosion Resistant
Tank Manifold:	Not reported
Tank Release Detection:	Not reported
Tank SFC Type:	Not reported
Pipe Material:	Fiberglass
Pipe Construction:	Double Wall Pipe
Pipe Primary Release Detection:	Interstitial Monitoring (or Sump Sensor)
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Corrosion Resistant
Pipe Pumping System:	Pressurized System
Responsible Unit:	NORTHWEST
Dispencer/Pump SFC Type:	Not reported
Tank Name:	10
Tag Number:	A0386, A5555, A8533
Tank Status:	Operational
Tank Status Date:	08/06/1996
Tank Install Date:	00/01/1992
Tank Closure Date:	Not reported
Capacity Range:	10,000 to 19,999 Gallons
Tank Permit Expiration Date:	11/30/2013
Tank Upgrade Date:	02/06/1998

TEXACO STATION 121668 (Continued) **1000838324**

Tank Spill Prevention:	Spill Bucket/Spill Box
Tank Overfill Prevention:	Ball Float Valve (vent line)
Tank Material:	Fiberglass Reinforced Plastic
Tank Construction:	Double Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Corrosion Resistant
Tank Manifold:	Not reported
Tank Release Detection:	Automatic Tank Gauging
Tank SFC Type:	Not reported
Pipe Material:	Fiberglass
Pipe Construction:	Double Wall Pipe
Pipe Primary Release Detection:	Automatic Line Leak Detector (ALLD)
Pipe Second Release Detection:	Interstitial Monitoring (or Sump Sensor)
Pipe Corrosion Protection:	Corrosion Resistant
Pipe Pumping System:	Pressurized System
Responsible Unit:	NORTHWEST
Dispencer/Pump SFC Type:	Not reported

Tank Name:	11
Tag Number:	A0386, A5555, A8533
Tank Status:	Removed
Tank Status Date:	08/06/1996
Tank Install Date:	00/01/1992
Tank Closure Date:	03/30/2001
Capacity Range:	Not reported
Tank Permit Expiration Date:	03/31/2006
Tank Upgrade Date:	02/06/1998
Tank Spill Prevention:	Spill Bucket/Spill Box
Tank Overfill Prevention:	Ball Float Valve (vent line)
Tank Material:	Fiberglass Reinforced Plastic
Tank Construction:	Double Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Corrosion Resistant
Tank Manifold:	Not reported
Tank Release Detection:	Automatic Tank Gauging
Tank SFC Type:	Not reported
Pipe Material:	Fiberglass
Pipe Construction:	Double Wall Pipe
Pipe Primary Release Detection:	Automatic Line Leak Detector (ALLD)
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Corrosion Resistant
Pipe Pumping System:	Pressurized System
Responsible Unit:	NORTHWEST
Dispencer/Pump SFC Type:	Not reported

Tank Name:	2
Tag Number:	A0386, A5555, A8533
Tank Status:	Removed
Tank Status Date:	08/06/1996
Tank Install Date:	00/31/1964
Tank Closure Date:	Not reported
Capacity Range:	Not reported
Tank Permit Expiration Date:	07/01/1994
Tank Upgrade Date:	Not reported
Tank Spill Prevention:	Spill Bucket/Spill Box

TEXACO STATION 121668 (Continued) **1000838324**

Tank Overfill Prevention:	Overfill Alarm
Tank Material:	Fiberglass Reinforced Plastic
Tank Construction:	Double Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Corrosion Resistant
Tank Manifold:	Not reported
Tank Release Detection:	Not reported
Tank SFC Type:	Not reported
Pipe Material:	Fiberglass
Pipe Construction:	Double Wall Pipe
Pipe Primary Release Detection:	Interstitial Monitoring (or Sump Sensor)
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Corrosion Resistant
Pipe Pumping System:	Pressurized System
Responsible Unit:	NORTHWEST
Dispencer/Pump SFC Type:	Not reported

Tank Name:	3
Tag Number:	A0386, A5555, A8533
Tank Status:	Removed
Tank Status Date:	08/06/1996
Tank Install Date:	00/31/1964
Tank Closure Date:	Not reported
Capacity Range:	Not reported
Tank Permit Expiration Date:	07/01/1993
Tank Upgrade Date:	Not reported
Tank Spill Prevention:	Spill Bucket/Spill Box
Tank Overfill Prevention:	Overfill Alarm
Tank Material:	Fiberglass Reinforced Plastic
Tank Construction:	Double Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Corrosion Resistant
Tank Manifold:	Not reported
Tank Release Detection:	Not reported
Tank SFC Type:	Not reported
Pipe Material:	Fiberglass
Pipe Construction:	Double Wall Pipe
Pipe Primary Release Detection:	Interstitial Monitoring (or Sump Sensor)
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Corrosion Resistant
Pipe Pumping System:	Pressurized System
Responsible Unit:	NORTHWEST
Dispencer/Pump SFC Type:	Not reported

Tank Name:	4
Tag Number:	A0386, A5555, A8533
Tank Status:	Removed
Tank Status Date:	08/06/1996
Tank Install Date:	00/31/1964
Tank Closure Date:	Not reported
Capacity Range:	Not reported
Tank Permit Expiration Date:	07/01/1993
Tank Upgrade Date:	Not reported
Tank Spill Prevention:	Spill Bucket/Spill Box
Tank Overfill Prevention:	Overfill Alarm

TEXACO STATION 121668 (Continued) **1000838324**

Tank Material:	Fiberglass Reinforced Plastic
Tank Construction:	Double Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Corrosion Resistant
Tank Manifold:	Not reported
Tank Release Detection:	Not reported
Tank SFC Type:	Not reported
Pipe Material:	Fiberglass
Pipe Construction:	Double Wall Pipe
Pipe Primary Release Detection:	Interstitial Monitoring (or Sump Sensor)
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Corrosion Resistant
Pipe Pumping System:	Pressurized System
Responsible Unit:	NORTHWEST
Dispencer/Pump SFC Type:	Not reported

Tank Name:	5
Tag Number:	A0386, A5555, A8533
Tank Status:	Removed
Tank Status Date:	08/06/1996
Tank Install Date:	00/31/1964
Tank Closure Date:	Not reported
Capacity Range:	Not reported
Tank Permit Expiration Date:	07/01/1993
Tank Upgrade Date:	Not reported
Tank Spill Prevention:	Spill Bucket/Spill Box
Tank Overfill Prevention:	Overfill Alarm
Tank Material:	Fiberglass Reinforced Plastic
Tank Construction:	Double Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Corrosion Resistant
Tank Manifold:	Not reported
Tank Release Detection:	Not reported
Tank SFC Type:	Not reported
Pipe Material:	Fiberglass
Pipe Construction:	Double Wall Pipe
Pipe Primary Release Detection:	Interstitial Monitoring (or Sump Sensor)
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Corrosion Resistant
Pipe Pumping System:	Pressurized System
Responsible Unit:	NORTHWEST
Dispencer/Pump SFC Type:	Not reported

Tank Name:	6
Tag Number:	A0386, A5555, A8533
Tank Status:	Removed
Tank Status Date:	08/06/1996
Tank Install Date:	00/31/1964
Tank Closure Date:	Not reported
Capacity Range:	111 TO 1,100 Gallons
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Not reported

TEXACO STATION 121668 (Continued) **1000838324**

Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Tank Manifold:	Not reported
Tank Release Detection:	Not reported
Tank SFC Type:	Not reported
Pipe Material:	Not reported
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Pipe Pumping System:	Not reported
Responsible Unit:	NORTHWEST
Dispencer/Pump SFC Type:	Not reported

Tank Name:	7
Tag Number:	A0386, A5555, A8533
Tank Status:	Operational
Tank Status Date:	08/06/1996
Tank Install Date:	00/01/1992
Tank Closure Date:	Not reported
Capacity Range:	10,000 to 19,999 Gallons
Tank Permit Expiration Date:	11/30/2013
Tank Upgrade Date:	02/06/1998
Tank Spill Prevention:	Spill Bucket/Spill Box
Tank Overfill Prevention:	Ball Float Valve (vent line)
Tank Material:	Fiberglass Reinforced Plastic
Tank Construction:	Double Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Corrosion Resistant
Tank Manifold:	Not reported
Tank Release Detection:	Automatic Tank Gauging
Tank SFC Type:	Not reported
Pipe Material:	Fiberglass
Pipe Construction:	Double Wall Pipe
Pipe Primary Release Detection:	Automatic Line Leak Detector (ALLD)
Pipe Second Release Detection:	Interstitial Monitoring (or Sump Sensor)
Pipe Corrosion Protection:	Corrosion Resistant
Pipe Pumping System:	Pressurized System
Responsible Unit:	NORTHWEST
Dispencer/Pump SFC Type:	Not reported

Tank Name:	8
Tag Number:	A0386, A5555, A8533
Tank Status:	Operational
Tank Status Date:	08/06/1996
Tank Install Date:	00/01/1992
Tank Closure Date:	Not reported
Capacity Range:	10,000 to 19,999 Gallons
Tank Permit Expiration Date:	11/30/2013
Tank Upgrade Date:	02/06/1998
Tank Spill Prevention:	Spill Bucket/Spill Box
Tank Overfill Prevention:	Ball Float Valve (vent line)
Tank Material:	Fiberglass Reinforced Plastic
Tank Construction:	Double Wall Tank

TEXACO STATION 121668 (Continued) **1000838324**

Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Corrosion Resistant
Tank Manifold:	Not reported
Tank Release Detection:	Automatic Tank Gauging
Tank SFC Type:	Not reported
Pipe Material:	Fiberglass
Pipe Construction:	Double Wall Pipe
Pipe Primary Release Detection:	Automatic Line Leak Detector (ALLD)
Pipe Second Release Detection:	Interstitial Monitoring (or Sump Sensor)
Pipe Corrosion Protection:	Corrosion Resistant
Pipe Pumping System:	Pressurized System
Responsible Unit:	NORTHWEST
Dispencer/Pump SFC Type:	Not reported

Tank Name:	9
Tag Number:	A0386, A5555, A8533
Tank Status:	Operational
Tank Status Date:	08/06/1996
Tank Install Date:	00/01/1992
Tank Closure Date:	Not reported
Capacity Range:	10,000 to 19,999 Gallons
Tank Permit Expiration Date:	11/30/2013
Tank Upgrade Date:	02/06/1998
Tank Spill Prevention:	Spill Bucket/Spill Box
Tank Overfill Prevention:	Ball Float Valve (vent line)
Tank Material:	Fiberglass Reinforced Plastic
Tank Construction:	Double Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Corrosion Resistant
Tank Manifold:	Not reported
Tank Release Detection:	Automatic Tank Gauging
Tank SFC Type:	Not reported
Pipe Material:	Fiberglass
Pipe Construction:	Double Wall Pipe
Pipe Primary Release Detection:	Automatic Line Leak Detector (ALLD)
Pipe Second Release Detection:	Interstitial Monitoring (or Sump Sensor)
Pipe Corrosion Protection:	Corrosion Resistant
Pipe Pumping System:	Pressurized System
Responsible Unit:	NORTHWEST
Dispencer/Pump SFC Type:	Not reported

WA MANIFEST:

Facility Site ID Number:	69836768
SWC Desc:	Not reported
FWC Desc:	Not reported
Form Comm:	NO RCRA HAZARDOUS WASTE GENERATED IN 2005.NO RCRA WASTE GENERATED IN 2007.
Data Year:	Not reported
Permit by Rule:	FALSE
Treatment by Generator:	FALSE
Mixed radioactive waste:	FALSE
Importer of hazardous waste:	FALSE
Immediate recycler:	FALSE
Treatment/Storage/Disposal/Recycling Facility:	FALSE
Generator of dangerous fuel waste:	FALSE
Generator marketing to burner:	FALSE

TEXACO STATION 121668 (Continued) **1000838324**

"Other marketers (i.e., blender, distributor, etc.)":	FALSE
Utility boiler burner:	FALSE
Industry boiler burner:	FALSE
Industrial Furnace:	FALSE
Smelter defferal:	FALSE
Universal waste - batteries - generate:	FALSE
Universal waste - thermostats - generate:	FALSE
Universal waste - mercury - generate:	FALSE
Universal waste - lamps - generate:	FALSE
Universal waste - batteries - accumulate:	FALSE
Universal waste - thermostats - accumulate:	FALSE
Universal waste - mercury - accumulate:	FALSE
Universal waste - lamps - accumulate:	FALSE
Destination Facility for Universal Waste:	FALSE
Off-specification used oil burner - utility boiler:	FALSE
Off-specification used oil burner - industrial boiler:	FALSE
Off-specification used oil burner - industrial furnace:	FALSE
EPA ID:	WAD988510913
Facility Address 2:	Not reported
TAX REG NBR:	409019185
NAICS CD:	447110
BUSINESS TYPE:	GASOLINE SERVICE STATION
MAIL NAME:	Shell Oil Products US
MAIL ADDR LINE1:	12700 NORTHBOROUGH DR
MAIL ADDR LINE2:	NOB 300G04 - RACHEL HULL
MAIL CITY,ST,ZIP:	HOUSTON, TX 77067-2508
MAIL COUNTRY:	UNITED STATES
LEGAL ORG NAME:	Equilon Enterprises LLC dba Shell Oil Pr
LEGAL ORG TYPE:	Private
LEGAL ADDR LINE1:	PO BOX 2099
LEGAL ADDR LINE2:	NOB #300G04
LEGAL CITY,ST,ZIP:	HOUSTON, TX 77252-2099
LEGAL COUNTRY:	UNITED STATES
LEGAL PHONE NBR:	2818742224
LEGAL EFFECTIVE DATE:	08/01/1998
LAND ORG NAME:	Equilon Enterprises LLC dba Shell Oil Pr
LAND ORG TYPE:	Private
LAND PERSON NAME:	Not reported
LAND ADDR LINE1:	PO Box 2099
LAND ADDR LINE2:	NOB #300G04
LAND CITY,ST,ZIP:	HOUSTON, TX 77252-2099
LAND COUNTRY:	UNITED STATES
LAND PHONE NBR:	2818742224
OPERATOR ORG NAME:	Equilion Enterprises LLC dba Shell Oil P
OPERATOR ORG TYPE:	Private
OPERATOR ADDR LINE1:	12700 NORTHBOROUGH DR
OPERATOR ADDR LINE2:	300F07
OPERATOR CITY,ST,ZIP:	HOUSTON, TX 77067-2058
OPERATOR COUNTRY:	UNITED STATES
OPERATOR PHONE NBR:	281-874-2238
OPERATOR EFFECTIVE DATE:	07/26/1996
SITE CONTACT NAME:	DON F WISDOM
SITE CONTACT ADDR LINE1:	12700 NORTHBOROUGH DR
SITE CONTACT ADDR LINE2:	300F07
SITE CONTACT ZIP:	HOUSTON, TX 77067-2058
SITE CONTACT COUNTRY:	UNITED STATES
SITE CONTACT PHONE NBR:	281-874-2238

TEXACO STATION 121668 (Continued) **1000838324**

SITE CONTACT EMAIL:	DON.F.WISDOM@SHELL.COM
FORM CONTACT NAME:	RACHEL HULL
FORM CONTACT ADDR LINE1:	12700 NORTHBOROUGH DR
FORM CONTACT ADDR LINE2:	NOB #300G04
FORM CONTACT CITY,ST,ZIP:	HOUSTON, TX 77067-2508
FORM CONTACT COUNTRY:	UNITED STATES
FORM CONTACT PHONE NBR:	2818742224
FORM CONTACT EMAIL:	RACHEL.HULL@SHELL.COM
GEN STATUS CD:	XQG
MONTHLY GENERATION:	FALSE
BATCH GENERATION:	FALSE
ONE TIME GENERATION:	FALSE
TRANSPORTS OWN WASTE:	FALSE
TRANSPORTS OTHRS WASTE:	FALSE
RECYCLER ONSITE:	FALSE
TRANSFER FACILITY:	FALSE
OTHER EXEMPTION:	Not reported
UW BATTERY GEN:	FALSE
USED OIL TRANSPORTER:	FALSE
USED OIL TRANSFER FACLTY:	FALSE
USED OIL PROCESSOR:	FALSE
USED OIL REREFINER:	FALSE
USED OIL FUEL MRKTR DIRECTS SHPMNTS:	FALSE
USED OIL FUEL MRKTR MEETS SPECS:	FALSE

Facility Site ID Number:	69836768
SWC Desc:	Not reported
FWC Desc:	Not reported
Form Comm:	Not reported
Data Year:	2009
Permit by Rule:	False
Treatment by Generator:	False
Mixed radioactive waste:	False
Importer of hazardous waste:	False
Immediate recycler:	False
Treatment/Storage/Disposal/Recycling Facility:	False
Generator of dangerous fuel waste:	False
Generator marketing to burner:	False
"Other marketers (i.e., blender, distributor, etc.)":	False
Utility boiler burner:	False
Industry boiler burner:	False
Industrial Furnace:	False
Smelter defferal:	False
Universal waste - batteries - generate:	False
Universal waste - thermostats - generate:	False
Universal waste - mercury - generate:	False
Universal waste - lamps - generate:	False
Universal waste - batteries - accumulate:	False
Universal waste - thermostats - accumulate:	False
Universal waste - mercury - accumulate:	False
Universal waste - lamps - accumulate:	False
Destination Facility for Universal Waste:	False
Off-specification used oil burner - utility boiler:	False
Off-specification used oil burner - industrial boiler:	False
Off-specification used oil burner - industrial furnace:	False
EPA ID:	WAD988510913
Facility Address 2:	Not reported

TEXACO STATION 121668 (Continued) **1000838324**

TAX REG NBR:	409019185
NAICS CD:	447110
BUSINESS TYPE:	GASOLINE SERVICE STATION
MAIL NAME:	Shell Oil Products US
MAIL ADDR LINE1:	12700 NORTHBOROUGH DR
MAIL CITY,ST,ZIP:	HOUSTON, TX 77067-2508
MAIL COUNTRY:	UNITED STATES
LEGAL ORG NAME:	Equilon Enterprises LLC dba Shell Oil Pr
LEGAL ORG TYPE:	Private
LEGAL ADDR LINE1:	PO BOX 2099
LEGAL CITY,ST,ZIP:	HOUSTON, TX 77252-2099
LEGAL COUNTRY:	UNITED STATES
LEGAL PHONE NBR:	281-874-2247
LEGAL EFFECTIVE DATE:	08/01/1998
LAND ORG NAME:	Equilon Enterprises LLC dba Shell Oil Pr
LAND ORG TYPE:	Private
LAND PERSON NAME:	Not reported
LAND ADDR LINE1:	PO Box 2099
LAND CITY,ST,ZIP:	HOUSTON, TX 77252-2099
LAND COUNTRY:	UNITED STATES
LAND PHONE NBR:	281-874-2247
OPERATOR ORG NAME:	Equilion Enterprises LLC dba Shell Oil P
OPERATOR ORG TYPE:	Private
OPERATOR ADDR LINE1:	12700 NORTHBOROUGH DR
OPERATOR ADDR LINE2:	300F08
OPERATOR CITY,ST,ZIP:	HOUSTON, TX 77067-2058
OPERATOR COUNTRY:	UNITED STATES
OPERATOR PHONE NBR:	281-874-2247
OPERATOR EFFECTIVE DATE:	07/26/1996
SITE CONTACT NAME:	RAY E WALDING
SITE CONTACT ADDR LINE1:	P O Box 3127
SITE CONTACT ADDR LINE2:	300F08
SITE CONTACT ZIP:	HOUSTON, TX 77253
SITE CONTACT COUNTRY:	UNITED STATES
SITE CONTACT PHONE NBR:	713-241-7008
SITE CONTACT EMAIL:	RAY.WALDING@SHELL.COM
FORM CONTACT NAME:	Jeanne Traylor
FORM CONTACT ADDR LINE1:	P O Box 3127, Rm 685
FORM CONTACT CITY,ST,ZIP:	HOUSTON, TX 77253
FORM CONTACT COUNTRY:	UNITED STATES
FORM CONTACT PHONE NBR:	713-241-6992
FORM CONTACT EMAIL:	Jeanne.Traylor@shell.com
GEN STATUS CD:	XQG
MONTHLY GENERATION:	False
BATCH GENERATION:	False
ONE TIME GENERATION:	False
TRANSPORTS OWN WASTE:	False
TRANSPORTS OTHRS WASTE:	False
RECYCLER ONSITE:	False
TRANSFER FACILITY:	False
OTHER EXEMPTION:	Not reported
UW BATTERY GEN:	False
USED OIL TRANSPORTER:	False
USED OIL TRANSFER FACLTY:	False
USED OIL PROCESSOR:	False
USED OIL REREFINER:	False
USED OIL FUEL MRKTR DIRECTS SHPMNTS:	False

TEXACO STATION 121668 (Continued) **1000838324**

USED OIL FUEL MRKTR MEETS SPECS: False

Facility Site ID Number: 69836768
SWC Desc: Not reported
FWC Desc: Not reported
Form Comm: Not reported
Data Year: 2008
Permit by Rule: False
Treatment by Generator: False
Mixed radioactive waste: False
Importer of hazardous waste: False
Immediate recycler: False
Treatment/Storage/Disposal/Recycling Facility: False
Generator of dangerous fuel waste: False
Generator marketing to burner: False
"Other marketers (i.e., blender, distributor, etc.)": False
Utility boiler burner: False
Industry boiler burner: False
Industrial Furnace: False
Smelter defferal: False
Universal waste - batteries - generate: False
Universal waste - thermostats - generate: False
Universal waste - mercury - generate: False
Universal waste - lamps - generate: False
Universal waste - batteries - accumulate: False
Universal waste - thermostats - accumulate: False
Universal waste - mercury - accumulate: False
Universal waste - lamps - accumulate: False
Destination Facility for Universal Waste: False
Off-specification used oil burner - utility boiler: False
Off-specification used oil burner - industrial boiler: False
Off-specification used oil burner - industrial furnace: False
EPA ID: WAD988510913
Facility Address 2: Not reported
TAX REG NBR: 409019185
NAICS CD: 447110
BUSINESS TYPE: GASOLINE SERVICE STATION
MAIL NAME: Shell Oil Products US
MAIL ADDR LINE1: 12700 NORTHBOROUGH DR
MAIL CITY,ST,ZIP: HOUSTON, TX 77067-2508
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: Equilon Enterprises LLC dba Shell Oil Pr
LEGAL ORG TYPE: Private
LEGAL ADDR LINE1: PO BOX 2099
LEGAL CITY,ST,ZIP: HOUSTON, TX 77252-2099
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: 281-874-2247
LEGAL EFFECTIVE DATE: 08/01/1998
LAND ORG NAME: Equilon Enterprises LLC dba Shell Oil Pr
LAND ORG TYPE: Private
LAND PERSON NAME: Not reported
LAND ADDR LINE1: PO Box 2099
LAND CITY,ST,ZIP: HOUSTON, TX 77252-2099
LAND COUNTRY: UNITED STATES
LAND PHONE NBR: 281-874-2247
OPERATOR ORG NAME: Equilon Enterprises LLC dba Shell Oil P
OPERATOR ORG TYPE: Private

TEXACO STATION 121668 (Continued) **1000838324**

OPERATOR ADDR LINE1:	12700 NORTHBOROUGH DR
OPERATOR ADDR LINE2:	300F08
OPERATOR CITY,ST,ZIP:	HOUSTON, TX 77067-2058
OPERATOR COUNTRY:	UNITED STATES
OPERATOR PHONE NBR:	281-874-2247
OPERATOR EFFECTIVE DATE:	07/26/1996
SITE CONTACT NAME:	RAY E WALDING
SITE CONTACT ADDR LINE1:	12700 NORTHBOROUGH DR
SITE CONTACT ADDR LINE2:	300F08
SITE CONTACT ZIP:	HOUSTON, TX 77067-2058
SITE CONTACT COUNTRY:	UNITED STATES
SITE CONTACT PHONE NBR:	281-874-2247
SITE CONTACT EMAIL:	RAY.WALDING@SHELL.COM
FORM CONTACT NAME:	Jeanne Traylor
FORM CONTACT ADDR LINE1:	12700 NORTHBOROUGH DR
FORM CONTACT CITY,ST,ZIP:	HOUSTON, TX 77067-2508
FORM CONTACT COUNTRY:	UNITED STATES
FORM CONTACT PHONE NBR:	2818742224
FORM CONTACT EMAIL:	Jeanne.Traylor@shell.com
GEN STATUS CD:	XQG
MONTHLY GENERATION:	False
BATCH GENERATION:	False
ONE TIME GENERATION:	False
TRANSPORTS OWN WASTE:	False
TRANSPORTS OTHRS WASTE:	False
RECYCLER ONSITE:	False
TRANSFER FACILITY:	False
OTHER EXEMPTION:	Not reported
UW BATTERY GEN:	False
USED OIL TRANSPORTER:	False
USED OIL TRANSFER FACLTY:	False
USED OIL PROCESSOR:	False
USED OIL REREFINER:	False
USED OIL FUEL MRKTR DIRECTS SHPMNTS:	False
USED OIL FUEL MRKTR MEETS SPECS:	False

Facility Site ID Number:	69836768
SWC Desc:	Not reported
FWC Desc:	Not reported
Form Comm:	NO RCRA HAZARDOUS WASTE GENERATED IN 2005.NO RCRA WASTE GENERATED IN 2007.
Data Year:	Not reported
Permit by Rule:	False
Treatment by Generator:	False
Mixed radioactive waste:	False
Importer of hazardous waste:	False
Immediate recycler:	False
Treatment/Storage/Disposal/Recycling Facility:	False
Generator of dangerous fuel waste:	False
Generator marketing to burner:	False
"Other marketers (i.e., blender, distributor, etc.)":	False
Utility boiler burner:	False
Industry boiler burner:	False
Industrial Furnace:	False
Smelter defferal:	False
Universal waste - batteries - generate:	False
Universal waste - thermostats - generate:	False

TEXACO STATION 121668 (Continued) **1000838324**

Universal waste - mercury - generate:	False
Universal waste - lamps - generate:	False
Universal waste - batteries - accumulate:	False
Universal waste - thermostats - accumulate:	False
Universal waste - mercury - accumulate:	False
Universal waste - lamps - accumulate:	False
Destination Facility for Universal Waste:	False
Off-specification used oil burner - utility boiler:	False
Off-specification used oil burner - industrial boiler:	False
Off-specification used oil burner - industrial furnace:	False
EPA ID:	WAD988510913
Facility Address 2:	Not reported
TAX REG NBR:	409019185
NAICS CD:	447110
BUSINESS TYPE:	GASOLINE SERVICE STATION
MAIL NAME:	Shell Oil Products US
MAIL ADDR LINE1:	12700 NORTHBOROUGH DR
MAIL ADDR LINE2:	NOB 300G04 - RACHEL HULL
MAIL CITY,ST,ZIP:	HOUSTON, TX 77067-2508
MAIL COUNTRY:	UNITED STATES
LEGAL ORG NAME:	Equilon Enterprises LLC dba Shell Oil Pr
LEGAL ORG TYPE:	Private
LEGAL ADDR LINE1:	PO BOX 2099
LEGAL ADDR LINE2:	NOB #300G04
LEGAL CITY,ST,ZIP:	HOUSTON, TX 77252-2099
LEGAL COUNTRY:	UNITED STATES
LEGAL PHONE NBR:	2818742224
LEGAL EFFECTIVE DATE:	08/01/1998
LAND ORG NAME:	Equilon Enterprises LLC dba Shell Oil Pr
LAND ORG TYPE:	Private
LAND PERSON NAME:	Not reported
LAND ADDR LINE1:	PO Box 2099
LAND ADDR LINE2:	NOB #300G04
LAND CITY,ST,ZIP:	HOUSTON, TX 77252-2099
LAND COUNTRY:	UNITED STATES
LAND PHONE NBR:	2818742224
OPERATOR ORG NAME:	Equilion Enterprises LLC dba Shell Oil P
OPERATOR ORG TYPE:	Private
OPERATOR ADDR LINE1:	12700 NORTHBOROUGH DR
OPERATOR ADDR LINE2:	300F08
OPERATOR CITY,ST,ZIP:	HOUSTON, TX 77067-2058
OPERATOR COUNTRY:	UNITED STATES
OPERATOR PHONE NBR:	281-874-2247
OPERATOR EFFECTIVE DATE:	07/26/1996
SITE CONTACT NAME:	RAY E WALDING
SITE CONTACT ADDR LINE1:	12700 NORTHBOROUGH DR
SITE CONTACT ADDR LINE2:	300F08
SITE CONTACT ZIP:	HOUSTON, TX 77067-2058
SITE CONTACT COUNTRY:	UNITED STATES
SITE CONTACT PHONE NBR:	281-874-2247
SITE CONTACT EMAIL:	RAY.WALDING@SHELL.COM
FORM CONTACT NAME:	RACHEL HULL
FORM CONTACT ADDR LINE1:	12700 NORTHBOROUGH DR
FORM CONTACT ADDR LINE2:	NOB #300G04
FORM CONTACT CITY,ST,ZIP:	HOUSTON, TX 77067-2508
FORM CONTACT COUNTRY:	UNITED STATES
FORM CONTACT PHONE NBR:	2818742224

TEXACO STATION 121668 (Continued) **1000838324**

FORM CONTACT EMAIL:	RACHEL.HULL@SHELL.COM
GEN STATUS CD:	XQG
MONTHLY GENERATION:	False
BATCH GENERATION:	False
ONE TIME GENERATION:	False
TRANSPORTS OWN WASTE:	False
TRANSPORTS OTHRS WASTE:	False
RECYCLER ONSITE:	False
TRANSFER FACILITY:	False
OTHER EXEMPTION:	Not reported
UW BATTERY GEN:	False
USED OIL TRANSPORTER:	False
USED OIL TRANSFER FACLTY:	False
USED OIL PROCESSOR:	False
USED OIL REREFINER:	False
USED OIL FUEL MRKTR DIRECTS SHPMNTS:	False
USED OIL FUEL MRKTR MEETS SPECS:	False

Facility Site ID Number:	69836768
SWC Desc:	Not reported
FWC Desc:	Not reported
Form Comm:	NO RCRA HAZARDOUS WASTE GENERATED IN 2005.NO RCRA WASTE GENERATED IN 2007.
Data Year:	Not reported
Permit by Rule:	No
Treatment by Generator:	No
Mixed radioactive waste:	No
Importer of hazardous waste:	No
Immediate recycler:	No
Treatment/Storage/Disposal/Recycling Facility:	No
Generator of dangerous fuel waste:	No
Generator marketing to burner:	No
"Other marketers (i.e., blender, distributor, etc.)":	No
Utility boiler burner:	No
Industry boiler burner:	No
Industrial Furnace:	No
Smelter defferal:	No
Universal waste - batteries - generate:	No
Universal waste - thermostats - generate:	No
Universal waste - mercury - generate:	No
Universal waste - lamps - generate:	No
Universal waste - batteries - accumulate:	No
Universal waste - thermostats - accumulate:	No
Universal waste - mercury - accumulate:	No
Universal waste - lamps - accumulate:	No
Destination Facility for Universal Waste:	No
Off-specification used oil burner - utility boiler:	No
Off-specification used oil burner - industrial boiler:	No
Off-specification used oil burner - industrial furnace:	No
EPA ID:	WAD988510913
Facility Address 2:	Not reported
TAX REG NBR:	409019185
NAICS CD:	447110
BUSINESS TYPE:	GASOLINE SERVICE STATION
MAIL NAME:	Shell Oil Products US
MAIL ADDR LINE1:	12700 NORTHBOROUGH DR
MAIL ADDR LINE2:	NOB 300G03 - RACHEL WILLIAMSON

TEXACO STATION 121668 (Continued) **1000838324**

MAIL CITY,ST,ZIP:	HOUSTON, TX 77067-2508
MAIL COUNTRY:	UNITED STATES
LEGAL ORG NAME:	Equilon Enterprises LLC dba Shell Oil Pr
LEGAL ORG TYPE:	Private
LEGAL ADDR LINE1:	PO BOX 2099
LEGAL ADDR LINE2:	NOB #300G03
LEGAL CITY,ST,ZIP:	HOUSTON, TX 77252-2099
LEGAL COUNTRY:	UNITED STATES
LEGAL PHONE NBR:	2818742224
LEGAL EFFECTIVE DATE:	08/01/1998
LAND ORG NAME:	Equilon Enterprises LLC dba Shell Oil Pr
LAND ORG TYPE:	Private
LAND PERSON NAME:	Not reported
LAND ADDR LINE1:	PO Box 2099
LAND ADDR LINE2:	NOB #300G03
LAND CITY,ST,ZIP:	HOUSTON, TX 77252-2099
LAND COUNTRY:	UNITED STATES
LAND PHONE NBR:	2818742224
OPERATOR ORG NAME:	Equilon Enterprises LLC dba Shell Oil P
OPERATOR ORG TYPE:	Private
OPERATOR ADDR LINE1:	12700 NORTHBOROUGH DR
OPERATOR ADDR LINE2:	300F07
OPERATOR CITY,ST,ZIP:	HOUSTON, TX 77067-2058
OPERATOR COUNTRY:	UNITED STATES
OPERATOR PHONE NBR:	281-874-2238
OPERATOR EFFECTIVE DATE:	07/26/1996
SITE CONTACT NAME:	DON F WISDOM
SITE CONTACT ADDR LINE1:	12700 NORTHBOROUGH DR
SITE CONTACT ADDR LINE2:	300F07
SITE CONTACT ZIP:	HOUSTON, TX 77067-2058
SITE CONTACT COUNTRY:	UNITED STATES
SITE CONTACT PHONE NBR:	281-874-2238
SITE CONTACT EMAIL:	DON.F.WISDOM@SHELL.COM
FORM CONTACT NAME:	RACHEL WILLIAMSON
FORM CONTACT ADDR LINE1:	12700 NORTHBOROUGH DR
FORM CONTACT ADDR LINE2:	NOB #300G03
FORM CONTACT CITY,ST,ZIP:	HOUSTON, TX 77067-2508
FORM CONTACT COUNTRY:	UNITED STATES
FORM CONTACT PHONE NBR:	2818742224
FORM CONTACT EMAIL:	RACHEL.WILLIAMSON@SHELL.COM
GEN STATUS CD:	XQG
MONTHLY GENERATION:	No
BATCH GENERATION:	No
ONE TIME GENERATION:	No
TRANSPORTS OWN WASTE:	No
TRANSPORTS OTHRS WASTE:	No
RECYCLER ONSITE:	No
TRANSFER FACILITY:	No
OTHER EXEMPTION:	Not reported
UW BATTERY GEN:	No
USED OIL TRANSPORTER:	No
USED OIL TRANSFER FACLTY:	No
USED OIL PROCESSOR:	No
USED OIL REREFINER:	No
USED OIL FUEL MRKTR DIRECTS SHPMNTS:	No
USED OIL FUEL MRKTR MEETS SPECS:	No

TEXACO STATION 121668 (Continued) **1000838324**

Click this hyperlink while viewing on your computer to access
1 additional WA MANIFEST: record(s) in the EDR Site Report.

VCP:
edr_fstat: WA
edr_fzip: 98126
edr_fcnty: KING COUNTY
edr_zip: Not reported
Facility ID: 69836768
VCP Status: VCP
VCP: Not reported
Ecology Status: Cleanup Started
NFA Type: Cleanup Started
Date NFA: Cleanup Started
Rank: Cleanup Started

WA Financial Assurance 1:
edr_fstat: WA
edr_fzip: 98123
edr_fcnty: Not reported
edr_zip: Not reported
DOE Site ID: 3353
Site Type: Other Ins
Financial Resp Type: Illinois Union Insurance Company
Inception Date: 04/30/2011
Expiration Date: 04/30/2012

18
ESE
1/2-1
0.900 mi.
4752 ft.

ANIMAL CLINIC OF ROXBURY
9608 30TH AVE SW
SEATTLE, WA 98106

CSCSL **S109052669**
ALLSITES **N/A**

Relative:
Higher

Actual:
291 ft.

CSCSL:
Facility ID: 957206
Region: Northwest
Lat/Long: 47.516985114646 / -122.3709621904
Brownfield Status: Not reported
Rank Status: Not reported
Clean Up Siteid: 1343
Site Status: Awaiting Cleanup
PSI?: Not reported
Contaminant Name: Petroleum Products-Unspecified
Ground Water: Confirmed Above Cleanup Level
Surface Water: Not reported
Soil: Suspected
Sediment: Not reported
Air: Not reported
Bedrock: Not reported
Responsible Unit: Northwest

ALLSITES:
Facility Id: 957206
Latitude: 47.5169851
Longitude: -122.37096

ANIMAL CLINIC OF ROXBURY (Continued) **S109052669**

Ecology Interest Type Code:	SCS
Facility ID:	957206
Facility Company:	ANIMAL CLINIC OF ROXBURY
Interaction:	A
Interaction 1:	SCS
Interaction 2:	State Cleanup Site
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	ANIMAL CLINIC OF ROXBURY
Program ID:	Not reported
Date Interaction:	02/26/2008
Date Interaction 3:	02/26/2008
Facility/Site Interaction T:	7564
Geographic Location Identifier (Alias Facid):	957206
Interaction (Aka Env Int) Type Code:	SCS
Interaction (Aka Env Int) Description:	State Cleanup Site
Interaction Status:	A
Federal Program Indentifier:	Not reported
Interaction Start Date:	02/26/2008
Interaction End Date:	Not reported
prgm_facil:	ANIMAL CLINIC OF ROXBURY
cur_sys_pr:	TOXICS
cur_sys_nm:	ISIS

19
ESE
1/2-1
0.996 mi.
5260 ft.

SUN COR HOLDINGS COPII LLC 2
2851 SW ROXBURY ST
SEATTLE, WA 98126

CSCSL **S103507206**
ALLSITES **N/A**
LUST
VCP
ICR
Financial Assurance

Relative:
Higher

Actual:
287 ft.

CSCSL:

Facility ID:	44862443
Region:	Northwest
Lat/Long:	47.517248557591 / -122.3708522401
Brownfield Status:	Not reported
Rank Status:	Not reported
Clean Up Siteid:	9254
Site Status:	Cleanup Started
PSI?:	Not reported
Contaminant Name:	Petroleum-Gasoline
Ground Water:	Confirmed Above Cleanup Level
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Level
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Responsible Unit:	Northwest

ALLSITES:

Facility Id:	44862443
Latitude:	47.5172485
Longitude:	-122.37085
Ecology Interest Type Code:	TIER2
Facility ID:	44862443

SUN COR HOLDINGS COPII LLC 2 (Continued) **S103507206**

Facility Company:	SUN COR HOLDINGS COPII LLC 2
Interaction:	A
Interaction 1:	UST
Interaction 2:	Underground Storage Tank
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Not reported
Program ID:	9516
Date Interaction:	01/01/1983
Date Interaction 3:	01/01/1983

Facility ID:	44862443
Facility Company:	SUN COR HOLDINGS COPII LLC 2
Interaction:	I
Interaction 1:	HWG
Interaction 2:	Hazardous Waste Generator
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988488771
Date Interaction:	05/22/1991
Date Interaction 3:	05/22/1991

Facility ID:	44862443
Facility Company:	SUN COR HOLDINGS COPII LLC 2
Interaction:	I
Interaction 1:	TIER2
Interaction 2:	Emergency/Haz Chem Rpt TIER2
Ecology Program:	HAZWASTE
Program Data:	EPCRA
Facility Alt.:	Not reported
Program ID:	WAD988488771
Date Interaction:	01/01/1992
Date Interaction 3:	01/01/1992

Facility ID:	44862443
Facility Company:	SUN COR HOLDINGS COPII LLC 2
Interaction:	I
Interaction 1:	HWOTHER
Interaction 2:	Haz Waste Management Activity
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988488771
Date Interaction:	12/31/2004
Date Interaction 3:	12/31/2004

Facility Id:	44862443
Latitude:	47.5172485
Longitude:	-122.37085
Ecology Interest Type Code:	UST
Facility ID:	44862443
Facility Company:	SUN COR HOLDINGS COPII LLC 2
Interaction:	A
Interaction 1:	UST
Interaction 2:	Underground Storage Tank

SUN COR HOLDINGS COPII LLC 2 (Continued) **S103507206**

Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Not reported
Program ID:	9516
Date Interaction:	01/01/1983
Date Interaction 3:	01/01/1983
Facility ID:	44862443
Facility Company:	SUN COR HOLDINGS COPII LLC 2
Interaction:	I
Interaction 1:	HWG
Interaction 2:	Hazardous Waste Generator
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988488771
Date Interaction:	05/22/1991
Date Interaction 3:	05/22/1991
Facility ID:	44862443
Facility Company:	SUN COR HOLDINGS COPII LLC 2
Interaction:	I
Interaction 1:	TIER2
Interaction 2:	Emergency/Haz Chem Rpt TIER2
Ecology Program:	HAZWASTE
Program Data:	EPCRA
Facility Alt.:	Not reported
Program ID:	WAD988488771
Date Interaction:	01/01/1992
Date Interaction 3:	01/01/1992
Facility ID:	44862443
Facility Company:	SUN COR HOLDINGS COPII LLC 2
Interaction:	I
Interaction 1:	HWOTHER
Interaction 2:	Haz Waste Management Activity
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988488771
Date Interaction:	12/31/2004
Date Interaction 3:	12/31/2004

Facility Id:	44862443
Latitude:	47.5172485
Longitude:	-122.37085
Ecology Interest Type Code:	HWG
Facility ID:	44862443
Facility Company:	SUN COR HOLDINGS COPII LLC 2
Interaction:	A
Interaction 1:	UST
Interaction 2:	Underground Storage Tank
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Not reported
Program ID:	9516

SUN COR HOLDINGS COPII LLC 2 (Continued) **S103507206**

Date Interaction: 01/01/1983
Date Interaction 3: 01/01/1983

Facility ID: 44862443
Facility Company: SUN COR HOLDINGS COPII LLC 2
Interaction: I
Interaction 1: HWG
Interaction 2: Hazardous Waste Generator
Ecology Program: HAZWASTE
Program Data: TURBOWASTE
Facility Alt.: Not reported
Program ID: WAD988488771
Date Interaction: 05/22/1991
Date Interaction 3: 05/22/1991

Facility ID: 44862443
Facility Company: SUN COR HOLDINGS COPII LLC 2
Interaction: I
Interaction 1: TIER2
Interaction 2: Emergency/Haz Chem Rpt TIER2
Ecology Program: HAZWASTE
Program Data: EPCRA
Facility Alt.: Not reported
Program ID: WAD988488771
Date Interaction: 01/01/1992
Date Interaction 3: 01/01/1992

Facility ID: 44862443
Facility Company: SUN COR HOLDINGS COPII LLC 2
Interaction: I
Interaction 1: HWOTHER
Interaction 2: Haz Waste Management Activity
Ecology Program: HAZWASTE
Program Data: TURBOWASTE
Facility Alt.: Not reported
Program ID: WAD988488771
Date Interaction: 12/31/2004
Date Interaction 3: 12/31/2004

Facility Id: 44862443
Latitude: 47.5172485
Longitude: -122.37085
Ecology Interest Type Code: LUST
Facility ID: 44862443
Facility Company: SUN COR HOLDINGS COPII LLC 2
Interaction: A
Interaction 1: UST
Interaction 2: Underground Storage Tank
Ecology Program: TOXICS
Program Data: ISIS
Facility Alt.: Not reported
Program ID: 9516
Date Interaction: 01/01/1983
Date Interaction 3: 01/01/1983

Facility ID: 44862443

SUN COR HOLDINGS COPII LLC 2 (Continued) **S103507206**

Facility Company:	SUN COR HOLDINGS COPII LLC 2
Interaction:	I
Interaction 1:	HWG
Interaction 2:	Hazardous Waste Generator
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988488771
Date Interaction:	05/22/1991
Date Interaction 3:	05/22/1991

Facility ID:	44862443
Facility Company:	SUN COR HOLDINGS COPII LLC 2
Interaction:	I
Interaction 1:	TIER2
Interaction 2:	Emergency/Haz Chem Rpt TIER2
Ecology Program:	HAZWASTE
Program Data:	EPCRA
Facility Alt.:	Not reported
Program ID:	WAD988488771
Date Interaction:	01/01/1992
Date Interaction 3:	01/01/1992

Facility ID:	44862443
Facility Company:	SUN COR HOLDINGS COPII LLC 2
Interaction:	I
Interaction 1:	HWOTHER
Interaction 2:	Haz Waste Management Activity
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988488771
Date Interaction:	12/31/2004
Date Interaction 3:	12/31/2004

Facility Id:	44862443
Latitude:	47.5172485
Longitude:	-122.37085
Ecology Interest Type Code:	SCS

Facility ID:	44862443
Facility Company:	SUN COR HOLDINGS COPII LLC 2
Interaction:	A
Interaction 1:	UST
Interaction 2:	Underground Storage Tank
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Not reported
Program ID:	9516
Date Interaction:	01/01/1983
Date Interaction 3:	01/01/1983

Facility ID:	44862443
Facility Company:	SUN COR HOLDINGS COPII LLC 2
Interaction:	I
Interaction 1:	HWG
Interaction 2:	Hazardous Waste Generator

SUN COR HOLDINGS COPII LLC 2 (Continued) **S103507206**

Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988488771
Date Interaction:	05/22/1991
Date Interaction 3:	05/22/1991
Facility ID:	44862443
Facility Company:	SUN COR HOLDINGS COPII LLC 2
Interaction:	I
Interaction 1:	TIER2
Interaction 2:	Emergency/Haz Chem Rpt TIER2
Ecology Program:	HAZWASTE
Program Data:	EPCRA
Facility Alt.:	Not reported
Program ID:	WAD988488771
Date Interaction:	01/01/1992
Date Interaction 3:	01/01/1992
Facility ID:	44862443
Facility Company:	SUN COR HOLDINGS COPII LLC 2
Interaction:	I
Interaction 1:	HWOTHER
Interaction 2:	Haz Waste Management Activity
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988488771
Date Interaction:	12/31/2004
Date Interaction 3:	12/31/2004
Facility Id:	44862443
Latitude:	47.5172485
Longitude:	-122.37085
Ecology Interest Type Code:	HWOTHER
Facility ID:	44862443
Facility Company:	SUN COR HOLDINGS COPII LLC 2
Interaction:	A
Interaction 1:	UST
Interaction 2:	Underground Storage Tank
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Not reported
Program ID:	9516
Date Interaction:	01/01/1983
Date Interaction 3:	01/01/1983
Facility ID:	44862443
Facility Company:	SUN COR HOLDINGS COPII LLC 2
Interaction:	I
Interaction 1:	HWG
Interaction 2:	Hazardous Waste Generator
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988488771

SUN COR HOLDINGS COPII LLC 2 (Continued) **S103507206**

Date Interaction:	05/22/1991
Date Interaction 3:	05/22/1991
Facility ID:	44862443
Facility Company:	SUN COR HOLDINGS COPII LLC 2
Interaction:	I
Interaction 1:	TIER2
Interaction 2:	Emergency/Haz Chem Rpt TIER2
Ecology Program:	HAZWASTE
Program Data:	EPCRA
Facility Alt.:	Not reported
Program ID:	WAD988488771
Date Interaction:	01/01/1992
Date Interaction 3:	01/01/1992
Facility ID:	44862443
Facility Company:	SUN COR HOLDINGS COPII LLC 2
Interaction:	I
Interaction 1:	HWOTHER
Interaction 2:	Haz Waste Management Activity
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988488771
Date Interaction:	12/31/2004
Date Interaction 3:	12/31/2004

LUST:

Facility ID:	44862443
Facility Status:	Cleanup Started
Cleanup Site ID:	9254
Cleanup Unit Type:	Upland
Process Type:	Voluntary Cleanup Program
Alternate Name:	ROXBURY GASOLINE STATION
Release Status Date:	09/19/2011
Site Response Unit Code:	Northwest
Lat/Long:	47.5172485 / -122.37085
Facility ID:	44862443
Facility Status:	Awaiting Cleanup
Cleanup Site ID:	9254
Cleanup Unit Type:	Upland
Process Type:	Voluntary Cleanup Program
Alternate Name:	ROXBURY GASOLINE STATION
Release Status Date:	06/01/1995
Site Response Unit Code:	Northwest
Lat/Long:	47.5172485 / -122.37085

VCP:

edr_fstat:	WA
edr_fzip:	98126-4148
edr_fcnty:	KING COUNTY
edr_zip:	Not reported
Facility ID:	44862443
VCP Status:	VCP

SUN COR HOLDINGS COPII LLC 2 (Continued) **S103507206**

VCP: Not reported
Ecology Status: Cleanup Started
NFA Type: Cleanup Started
Date NFA: Cleanup Started
Rank: Cleanup Started

ICR:
Date Ecology Received Report: 09/28/98
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-13
County Code: 17
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: / /
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 93-17
County Code: 17
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 11/27/91
Contaminants Found at Site: Petroleum products
Media Contaminated: Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 92-13
County Code: 17
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 04/13/92
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 92-22
County Code: 17
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 10/31/92
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report

SUN COR HOLDINGS COPII LLC 2 (Continued) **S103507206**

Site Register Issue:	92-37
County Code:	17
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	03/11/93
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Waste Management:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	92-49
County Code:	17
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	/ /
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Waste Management:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	93-23
County Code:	17
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	03/23/01
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Waste Management:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-43
County Code:	17
Contact:	Not reported
Report Title:	Fourth Quarter Ground Water Monitoring - December 2000

WA Financial Assurance 1:

edr_fstat:	WA
edr_fzip:	98126
edr_fcnty:	Not reported
edr_zip:	Not reported
DOE Site ID:	9516
Site Type:	PLIA
Financial Resp Type:	Colony (GUS)
Inception Date:	07/17/2011
Expiration Date:	07/17/2012

Count: 20 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SEATTLE	1000271347	BERKLEY ENGINEERING CONST	S 124TH ST & HWY 99	98168	RCRA NonGen / NLR, FINDS, ALLSITES SWF/LF
SEATTLE	S105805988	INTERBAY	15TH AVENUE WEST SOUTH OF WEST		
SEATTLE	1001203906	WA DOT CONVENTION CTR FRWY PARK	MP 165.63 TO MP 165.98 SR 5	98144	RCRA NonGen / NLR, FINDS, ALLSITES CERCLIS
SEATTLE	1014202369	LINDE CONTAINER	16TH AVE. SW & SW LANDER ST.		RCRA NonGen / NLR, FINDS ICR
SEATTLE	1005445516	WA DOT BRG 5208	SR 520 MP 1.35 ALBERT D ROSSEL		
SEATTLE	S104223669	SR 99 & FIRST AVE. BRIDGE SPILL/WS	SR 99 & FIRST AVE. BRIDGE	98111	FINDS, ALLSITES
SEATTLE	1008920063	PORT OF SEATTLE TERMINALS 37 42 46	SR 99	98134	FINDS, ALLSITES
SEATTLE	1011280179	BOB LEONARD ELLIOT BAY	C-PORT MARINE SERVICES	98168	FINDS, CSCSL, ALLSITES, LUST, UST
SEATTLE	1007069025	BOULEVARD AUTO SERVICE	12459 DES MOINES WAY S	98108	FINDS, CSCSL, ALLSITES, LUST, UST
SEATTLE	1007078126	UPRR DIAGONAL AVE S SPUR	60 DIAGONAL AVE S	98118	RCRA NonGen / NLR, FINDS, ALLSITES
SEATTLE	1000199716	DUWAMISH RIV ABANDONE	DIRECTOR ST FOOT OF	98136	RCRA NonGen / NLR, FINDS SWF/LF
SEATTLE	1005445038	US DEA FAUNTLEROY SEATTLE	6620 FAUNTLEROY ST		
SEATTLE	S105805995	JUDKINS STREET DISPOSAL SITE	WEST OF 22ND AVENUE SOUTH, SOU		SWF/LF
SEATTLE	S105805993	SOUTH PARK	EAST OF FIRST AVENU - SOUTH, S		SWF/LF
SEATTLE	S105805992	WEST SEATTLE - HARBOR AVENUE	EAST OF HARBOR AVENUE SOUTHWES		SWF/LF
SEATTLE	S105805991	NORTH AURORA DISPOSAL SITE	EAST OF STONE AVENUE NORTH, SO		SWF/LF
SEATTLE	S105805990	MONTLAKE DISPOSAL SITE	EAST OF MONTLAKE BOULEVARD, SO		SWF/LF
SEATTLE	S105805989	GENESEE LANDFILL	NORTH OF SOUTH ALASKA STREET T		SWF/LF
SEATTLE	S105805994	GREEN LAKE LANDFILL SITE	NORTH, SOUTH, EAST, WEST PERIM		ALLSITES, SWF/LF, SPILLS, AIRS
SEATTLE	S102456354	KING COUTY WWTP - WEST POINT	1400 UTAH ST W		

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List
National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 05/09/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 62

Source: EPA
Telephone: N/A
Last EDR Contact: 11/11/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites
A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 05/09/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 62

Source: EPA
Telephone: N/A
Last EDR Contact: 11/11/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens
Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions
The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 05/09/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 62

Source: EPA
Telephone: N/A
Last EDR Contact: 11/11/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 05/29/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 72

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 11/11/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing
A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 10/09/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/11/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned
Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 05/29/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 72

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 11/11/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/02/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 10/02/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 10/02/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 10/02/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 10/02/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 104

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 104

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/20/2013
Date Data Arrived at EDR: 08/23/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 70

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/18/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/17/2013
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 29

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 10/01/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Annually

State- and tribal - equivalent NPL

HSL: Hazardous Sites List

The Hazardous Sites List is a subset of the CSCSL Report. It includes sites which have been assessed and ranked using the Washington Ranking Method (WARM).

Date of Government Version: 08/26/2013
Date Data Arrived at EDR: 09/13/2013
Date Made Active in Reports: 10/16/2013
Number of Days to Update: 33

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 09/11/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Semi-Annually

State- and tribal - equivalent CERCLIS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CSCSL: Confirmed and Suspected Contaminated Sites List
State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 07/22/2013
Date Data Arrived at EDR: 07/26/2013
Date Made Active in Reports: 09/19/2013
Number of Days to Update: 55

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 10/25/2013
Next Scheduled EDR Contact: 02/03/2014
Data Release Frequency: Semi-Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Facility Database
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 09/25/2013
Date Data Arrived at EDR: 09/25/2013
Date Made Active in Reports: 10/16/2013
Number of Days to Update: 21

Source: Department of Ecology
Telephone: 360-407-6132
Last EDR Contact: 09/20/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Annually

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tanks Site List
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 08/19/2013
Date Data Arrived at EDR: 08/22/2013
Date Made Active in Reports: 09/19/2013
Number of Days to Update: 28

Source: Department of Ecology
Telephone: 360-407-7183
Last EDR Contact: 11/22/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 07/29/2013
Date Data Arrived at EDR: 07/30/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 94

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Quarterly

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 08/20/2013
Date Data Arrived at EDR: 08/23/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 70

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 184

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/01/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 91

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Semi-Annually

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 59

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 08/27/2013
Date Data Arrived at EDR: 08/27/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 66

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

State and tribal registered storage tank lists

UST: Underground Storage Tank Database
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 02/08/2013
Date Data Arrived at EDR: 02/08/2013
Date Made Active in Reports: 02/19/2013
Number of Days to Update: 11

Source: Department of Ecology
Telephone: 360-407-7183
Last EDR Contact: 11/18/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AST: Aboveground Storage Tank Locations
A listing of aboveground storage tank locations regulated by the Department of Ecology's Spill Prevention, Preparedness and Response Program.

Date of Government Version: 04/09/2013
Date Data Arrived at EDR: 05/09/2013
Date Made Active in Reports: 07/25/2013
Number of Days to Update: 77

Source: Department of Ecology
Telephone: 360-407-7562
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 09/28/2012
Date Data Arrived at EDR: 11/07/2012
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 156

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/01/2014
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 91

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 08/20/2013
Date Data Arrived at EDR: 08/23/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 70

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 02/28/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 43

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 07/29/2013
Date Data Arrived at EDR: 08/01/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 92

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 02/05/2013
Date Data Arrived at EDR: 02/06/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 65

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 02/21/2013
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 45

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Quarterly

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/17/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

INST CONTROL: Institutional Control Site List
Sites that have institutional controls.

Date of Government Version: 07/22/2013
Date Data Arrived at EDR: 07/26/2013
Date Made Active in Reports: 09/19/2013
Number of Days to Update: 55

Source: Department of Ecology
Telephone: 360-407-7170
Last EDR Contact: 10/25/2013
Next Scheduled EDR Contact: 02/03/2014
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Sites
Sites that have entered either the Voluntary Cleanup Program or its predecessor Independent Remedial Action Program.

Date of Government Version: 07/22/2013
Date Data Arrived at EDR: 07/26/2013
Date Made Active in Reports: 09/20/2013
Number of Days to Update: 56

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 10/22/2013
Next Scheduled EDR Contact: 02/03/2014
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/28/2012
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 14

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 10/01/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

ICR: Independent Cleanup Reports
These are remedial action reports Ecology has received from either the owner or operator of the sites. These actions have been conducted without department oversight or approval and are not under an order or decree. This database is no longer updated by the Department of Ecology.

Date of Government Version: 12/01/2002
Date Data Arrived at EDR: 01/03/2003
Date Made Active in Reports: 01/22/2003
Number of Days to Update: 19

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 08/10/2009
Next Scheduled EDR Contact: 11/09/2009
Data Release Frequency: No Update Planned

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Sites Listing
A listing of brownfields sites included in the Confirmed & Suspected Sites Listing. Brownfields are abandoned, idle or underused commercial or industrial properties, where the expansion or redevelopment is hindered by real or perceived contamination. Brownfields vary in size, location, age, and past use -- they can be anything from a five-hundred acre automobile assembly plant to a small, abandoned corner gas station.

Date of Government Version: 07/22/2013
Date Data Arrived at EDR: 07/26/2013
Date Made Active in Reports: 09/19/2013
Number of Days to Update: 55

Source: Department of Ecology
Telephone: 360-725-4030
Last EDR Contact: 10/25/2013
Next Scheduled EDR Contact: 02/03/2014
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/24/2013
Date Data Arrived at EDR: 06/25/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/24/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWRCY: Recycling Facility List
A llisting of recycling center locations.

Date of Government Version: 07/25/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 09/19/2013
Number of Days to Update: 48

Source: Department of Ecology
Telephone: 360-407-6105
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

SWTIRE: Solid Waste Tire Facilities
This study identified sites statewide with unauthorized accumulations of scrap tires.

Date of Government Version: 11/01/2005
Date Data Arrived at EDR: 03/16/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 28

Source: Department of Ecology
Telephone: N/A
Last EDR Contact: 09/13/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 08/06/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 22

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 09/04/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Quarterly

ALLSITES: Facility/Site Identification System Listing
Information on facilities and sites of interest to the Department of Ecology.

Date of Government Version: 08/16/2013
Date Data Arrived at EDR: 08/20/2013
Date Made Active in Reports: 09/19/2013
Number of Days to Update: 30

Source: Department of Ecology
Telephone: 360-407-6423
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Quarterly

CSCSL NFA: Confirmed and Contaminated Sites - No Further Action
The data set contains information about sites previously on the Confirmed and Suspected Contaminated Sites list that have received a No Further Action (NFA) determination. Because it is necessary to maintain historical records of sites that have been investigated and cleaned up, sites are not deleted from the database when cleanup activities are completed. Instead, a No Further Action code is entered based upon the type of NFA determination the site received.

Date of Government Version: 07/22/2013
Date Data Arrived at EDR: 07/26/2013
Date Made Active in Reports: 09/19/2013
Number of Days to Update: 55

Source: Department of Ecology
Telephone: 360-407-7170
Last EDR Contact: 10/25/2013
Next Scheduled EDR Contact: 02/03/2014
Data Release Frequency: Semi-Annually

CDL: Clandestine Drug Lab Contaminated Site List
Illegal methamphetamine labs use hazardous chemicals that create public health hazards. Chemicals and residues can cause burns, respiratory and neurological damage, and death. Biological hazards associated with intravenous needles, feces, and blood also pose health risks.

Date of Government Version: 08/09/2013
Date Data Arrived at EDR: 08/23/2013
Date Made Active in Reports: 09/20/2013
Number of Days to Update: 28

Source: Department of Health
Telephone: 360-236-3380
Last EDR Contact: 11/11/2013
Next Scheduled EDR Contact: 02/24/2014
Data Release Frequency: Varies

HIST CDL: List of Sites Contaminated by Clandestine Drug Labs
This listing of contaminated sites by Clandestine Drug Labs includes non-remediated properties. The current CDL listing does not. This listing is no longer updated by the state agency.

Date of Government Version: 02/08/2007
Date Data Arrived at EDR: 06/26/2007
Date Made Active in Reports: 07/19/2007
Number of Days to Update: 23

Source: Department of Health
Telephone: 360-236-3381
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Land Records

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/06/2013
Date Data Arrived at EDR: 04/25/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 11/13/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 55

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 10/01/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Annually

SPILLS: Reported Spills
Spills reported to the Spill Prevention, Preparedness and Response Division.

Date of Government Version: 09/26/2013
Date Data Arrived at EDR: 09/27/2013
Date Made Active in Reports: 10/16/2013
Number of Days to Update: 19

Source: Department of Ecology
Telephone: 360-407-6950
Last EDR Contact: 09/23/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Semi-Annually

SPILLS 90: SPILLS90 data from FirstSearch
Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 05/23/2006
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/06/2013
Number of Days to Update: 62

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 10/02/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 11/06/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Varies

DOD: Department of Defense Sites
This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/18/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites
The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 15

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2013
Date Data Arrived at EDR: 08/07/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 57

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/30/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Varies

ROD: Records Of Decision
Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 06/11/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 143

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/13/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites
Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/28/2013
Next Scheduled EDR Contact: 09/09/2013
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 09/05/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 28

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/05/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System
Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/31/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 44

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/30/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act
Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/24/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 11/21/2013
Next Scheduled EDR Contact: 03/10/2014
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 11/21/2014
Next Scheduled EDR Contact: 03/10/2014
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 10/09/2014
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2013
Date Data Arrived at EDR: 07/17/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 107

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/18/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/22/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 91

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 09/30/2013
Date Data Arrived at EDR: 10/09/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/09/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 03/08/2013
Date Data Arrived at EDR: 03/21/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 111

Source: EPA
Telephone: (206) 553-1200
Last EDR Contact: 09/11/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 05/08/2012
Date Data Arrived at EDR: 05/25/2012
Date Made Active in Reports: 07/10/2012
Number of Days to Update: 46

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 08/26/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Biennially

UIC: Underground Injection Wells Listing
A listing of underground injection wells.

Date of Government Version: 08/19/2013
Date Data Arrived at EDR: 08/22/2013
Date Made Active in Reports: 09/19/2013
Number of Days to Update: 28

Source: Department of Ecology
Telephone: 360-407-6143
Last EDR Contact: 11/22/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Varies

WA MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 04/29/2013
Date Made Active in Reports: 06/10/2013
Number of Days to Update: 42

Source: Department of Ecology
Telephone: N/A
Last EDR Contact: 10/21/2013
Next Scheduled EDR Contact: 02/03/2014
Data Release Frequency: Annually

DRYCLEANERS: Drycleaner List
A listing of registered drycleaners who registered with the Department of Ecology (using the SIC code of 7215 and 7216) as hazardous waste generators.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 04/29/2013
Date Made Active in Reports: 06/10/2013
Number of Days to Update: 42

Source: Department of Ecology
Telephone: 360-407-6732
Last EDR Contact: 10/21/2013
Next Scheduled EDR Contact: 02/03/2014
Data Release Frequency: Varies

NPDES: Water Quality Permit System Data
A listing of permitted wastewater facilities.

Date of Government Version: 07/28/2013
Date Data Arrived at EDR: 07/30/2013
Date Made Active in Reports: 09/19/2013
Number of Days to Update: 51

Source: Department of Ecology
Telephone: 360-407-6073
Last EDR Contact: 10/21/2013
Next Scheduled EDR Contact: 02/03/2014
Data Release Frequency: Quarterly

AIRS (EMI): Washington Emissions Data System
Emissions inventory data.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 01/11/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 42

Source: Department of Ecology
Telephone: 360-407-6040
Last EDR Contact: 09/23/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Annually

INACTIVE DRYCLEANERS: Inactive Drycleaners
A listing of inactive drycleaner facility locations.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 04/29/2013
Date Made Active in Reports: 06/10/2013
Number of Days to Update: 42

Source: Department of Ecology
Telephone: 360-407-6732
Last EDR Contact: 10/21/2013
Next Scheduled EDR Contact: 02/03/2014
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/18/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing
The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/18/2013
Next Scheduled EDR Contact: 02/03/2014
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/01/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 04/15/2013
Date Data Arrived at EDR: 07/03/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 72

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 10/04/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Quarterly

FEDLAND: Federal and Indian Lands
Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/18/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: N/A

COAL ASH DOE: Sleam-Electric Plan Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 10/15/2013
Next Scheduled EDR Contact: 01/27/2014
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)
The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 01/23/2013
Date Data Arrived at EDR: 01/30/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 09/30/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Annually

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/23/2011
Date Data Arrived at EDR: 05/26/2011
Date Made Active in Reports: 06/27/2011
Number of Days to Update: 32

Source: Department of Ecology
Telephone: 360-407-6754
Last EDR Contact: 11/18/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Site Listing
A listing of coal ash disposal site locations.

Date of Government Version: 06/20/2013
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 07/25/2013
Number of Days to Update: 34

Source: Department of Ecology
Telephone: 360-407-6933
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

Financial Assurance 3: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 03/06/2007
Date Made Active in Reports: 04/19/2007
Number of Days to Update: 44

Source: Department of Ecology
Telephone: 360-407-6136
Last EDR Contact: 11/18/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
A listing of financial assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/24/2012
Date Data Arrived at EDR: 02/24/2012
Date Made Active in Reports: 03/27/2012
Number of Days to Update: 32

Source: Department of Ecology
Telephone: 360-586-1060
Last EDR Contact: 11/18/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/29/2013
Date Data Arrived at EDR: 02/14/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 09/24/2013
Next Scheduled EDR Contact: 01/20/2014
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/15/2013
Next Scheduled EDR Contact: 02/24/2014
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/04/2013
Date Data Arrived at EDR: 03/15/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 11/18/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 06/30/2013
Date Data Arrived at EDR: 08/13/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 11/15/2013
Next Scheduled EDR Contact: 02/24/2014
Data Release Frequency: Quarterly

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 01/23/2013
Date Data Arrived at EDR: 01/30/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 09/30/2013
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/13/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

KING COUNTY:

Abandoned Landfill Study in King County
The King County Abandoned Landfill Survey was conducted from October through December 1984 by the Health Department's Environmental Health Division at the request of the King County Council. The primary objective of the survey was to determine if any public health problems existed at the predetermined 24 sites.

Date of Government Version: 04/30/1985
Date Data Arrived at EDR: 11/07/1994
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: Seattle-King County Department of Public Health
Telephone: 206-296-4785
Last EDR Contact: 10/21/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SEATTLE COUNTY:

Abandoned Landfill Study in the City of Seattle
The Seattle Abandoned Landfill Survey was conducted in June and July of 1984 by the Health Department's Environmental Health Division at the request of the Mayor's Office. The primary objective of the survey was to determine if any public health problems existed at the predetermined 12 sites.

Date of Government Version: 07/30/1984
Date Data Arrived at EDR: 11/07/1994
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: Seattle - King County Department of Public Health
Telephone: 206-296-4785
Last EDR Contact: 10/21/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SEATTLE/KING COUNTY:

Seattle - King County Abandoned Landfill Toxicity / Hazard Assessment Project
This report presents the Seattle-King County Health Department's follow-up investigation of two city owned and four county owned abandoned landfills which was conducted from February to December 1986.

Date of Government Version: 12/31/1986
Date Data Arrived at EDR: 08/18/1995
Date Made Active in Reports: 09/20/1995
Number of Days to Update: 33

Source: Department of Public Health
Telephone: 206-296-4785
Last EDR Contact: 08/14/1995
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SNOHOMISH COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Solid Waste Sites of Record at Snohomish Health District
Solid waste disposal and/or utilization sites in Snohomish County.

Date of Government Version: 11/16/2011
Date Data Arrived at EDR: 03/29/2012
Date Made Active in Reports: 05/03/2012
Number of Days to Update: 35

Source: Snohomish Health District
Telephone: 206-339-5250
Last EDR Contact: 09/27/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Semi-Annually

TACOMA/PIERCE COUNTY:

Closed Landfill Survey
Following numerous requests for information about closed dumpsites and landfills in Pierce County, the Tacoma-Pierce County Health Department decided to conduct a study on the matter. The aim of the study was to evaluate public health risks associated with the closed dumpsites and landfills, and to determine the need, if any, for further investigations of a more detailed nature. The sites represent all of the known dumpsites and landfills closed after 1950.

Date of Government Version: 09/01/2002
Date Data Arrived at EDR: 03/24/2003
Date Made Active in Reports: 05/14/2003
Number of Days to Update: 51

Source: Tacoma-Pierce County Health Department
Telephone: 206-591-6500
Last EDR Contact: 03/19/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/22/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 11/01/2013
Date Data Arrived at EDR: 11/07/2013
Date Made Active in Reports: 11/18/2013
Number of Days to Update: 11

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/07/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 07/24/2013
Date Made Active in Reports: 08/19/2013
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/21/2013
Next Scheduled EDR Contact: 02/03/2014
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 08/09/2013
Date Made Active in Reports: 09/27/2013
Number of Days to Update: 49

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Daycare Center Listing
Source: Department of Social & Health Services
Telephone: 253-383-1735

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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APPENDIX E

Site Photographs

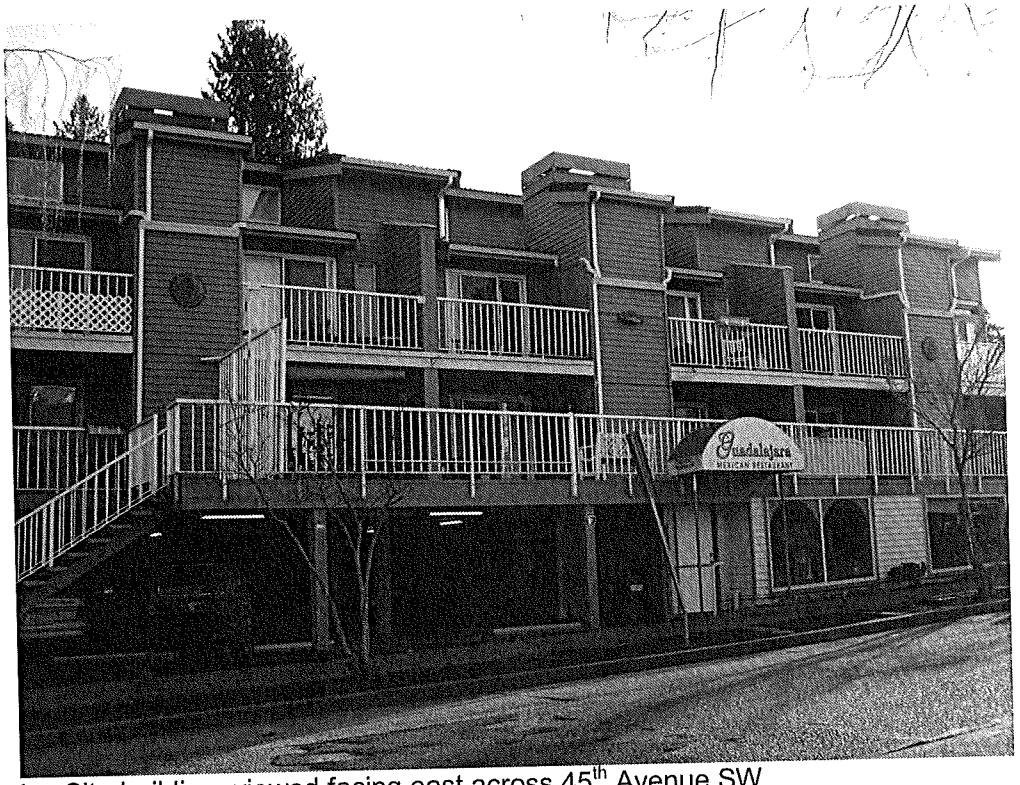


Photo 1 Site building, viewed facing east across 45th Avenue SW

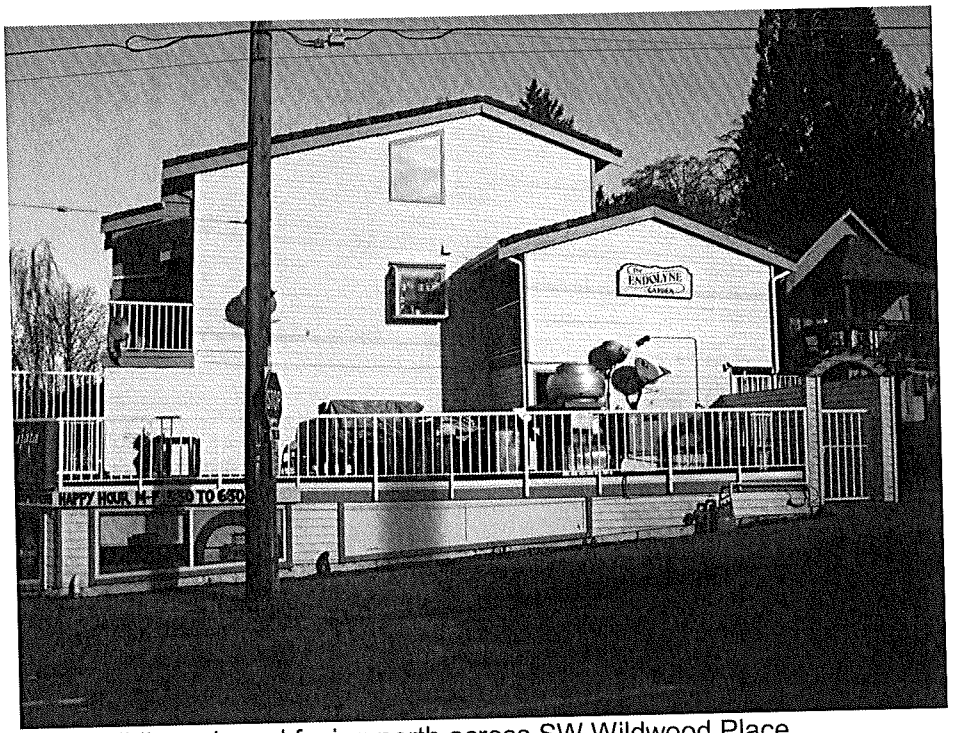


Photo 2 Site building, viewed facing north across SW Wildwood Place

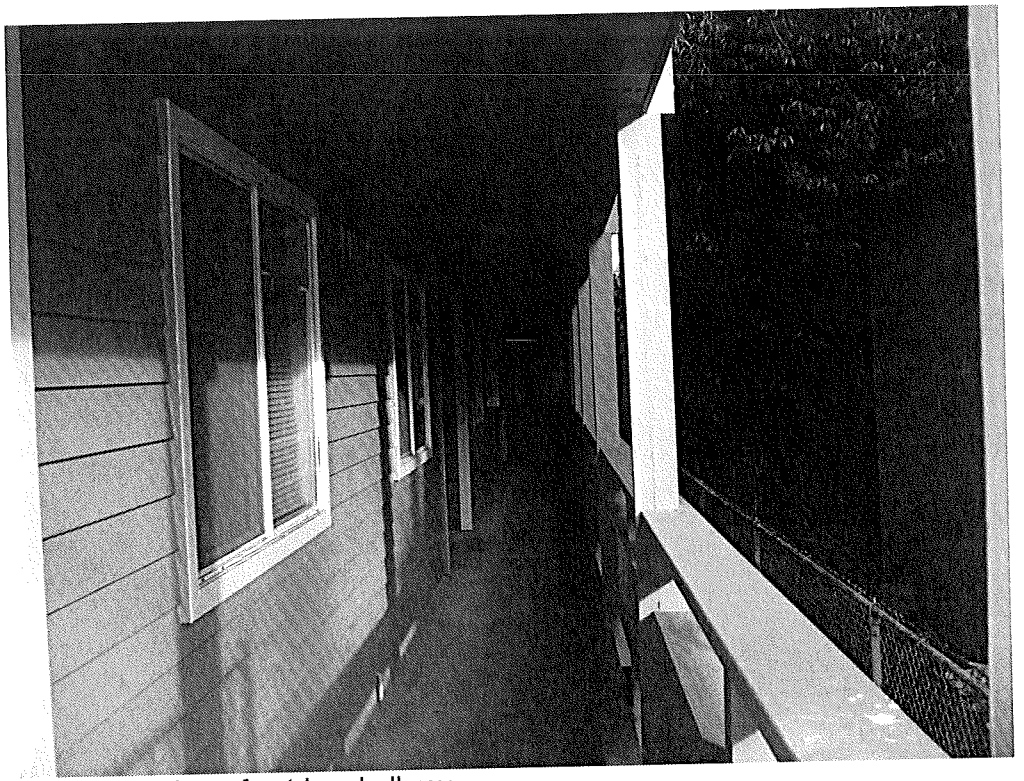


Photo 3 Typical view of outdoor hallway

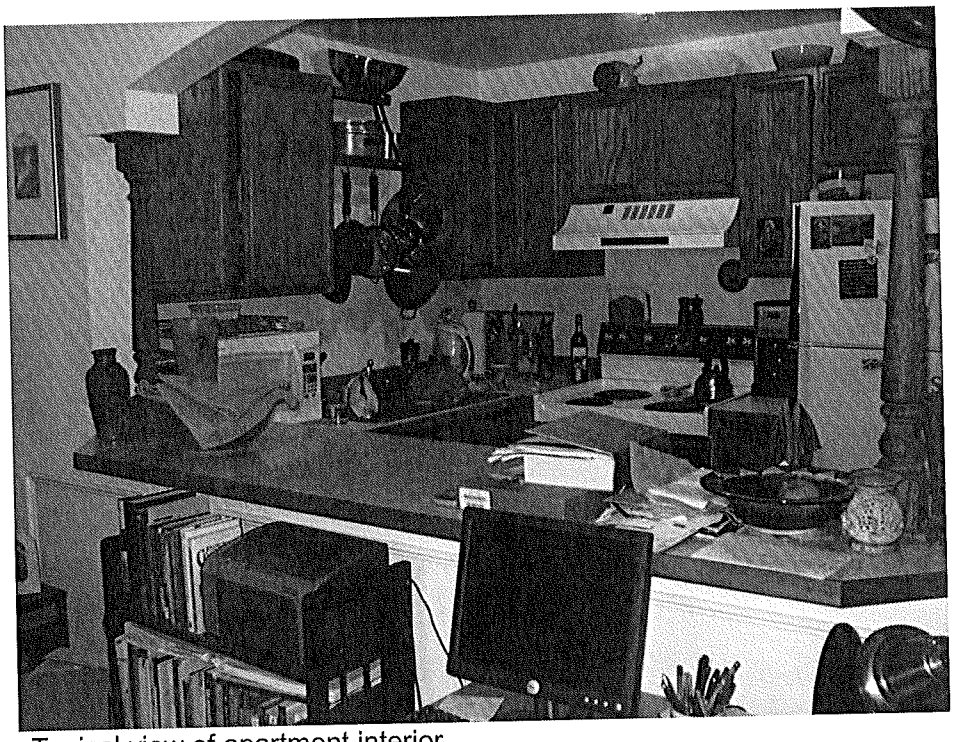


Photo 4 Typical view of apartment interior

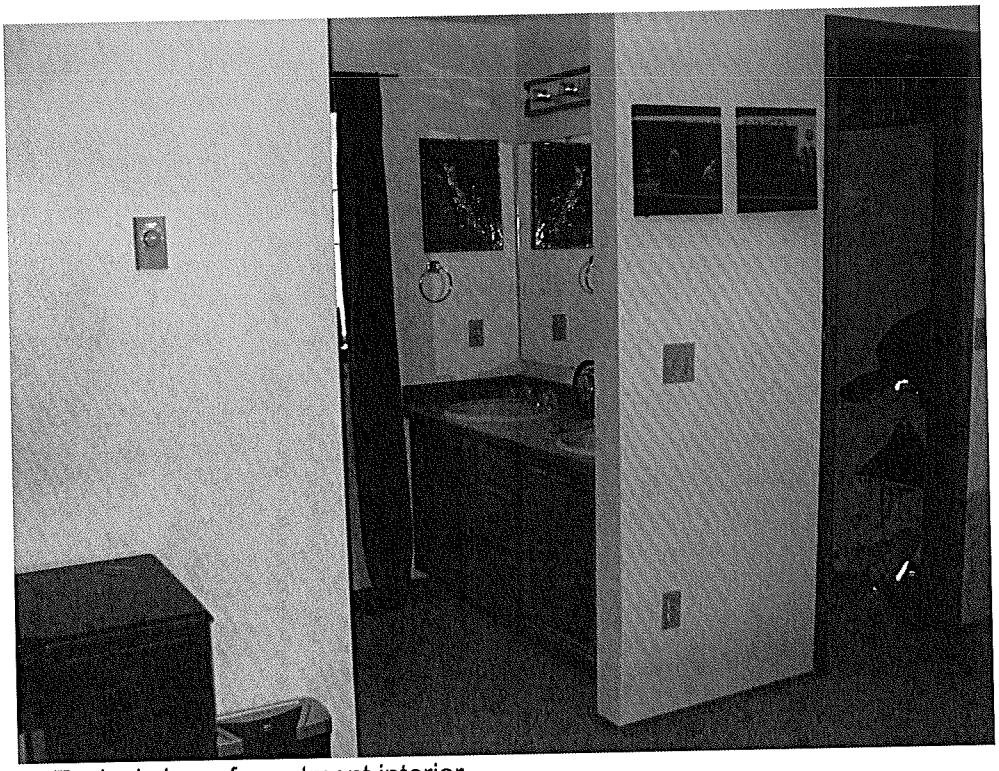


Photo 5 Typical view of apartment interior

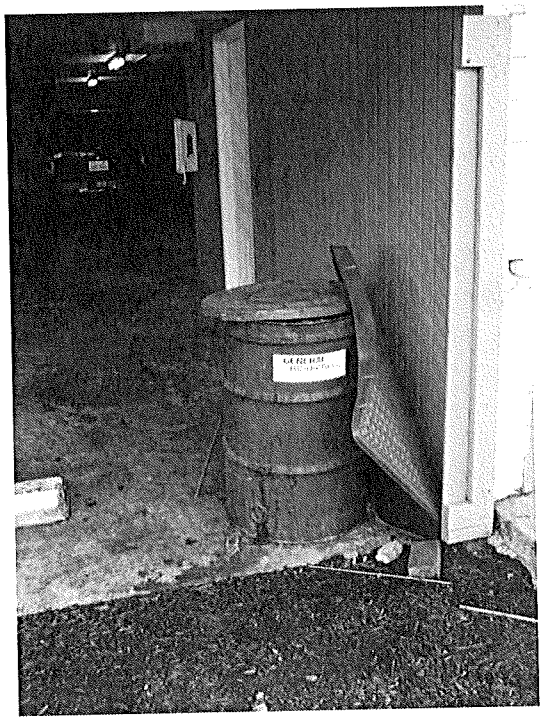


Photo 6 View of food waste oil drum stored in parking area

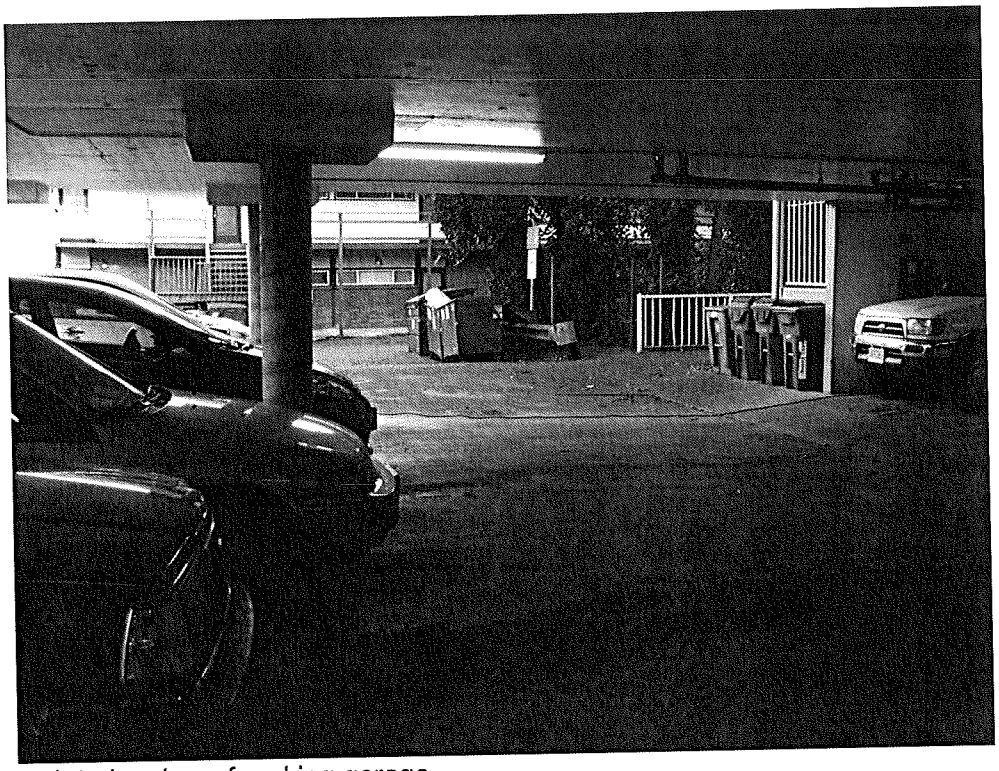


Photo 7 Interior view of parking garage

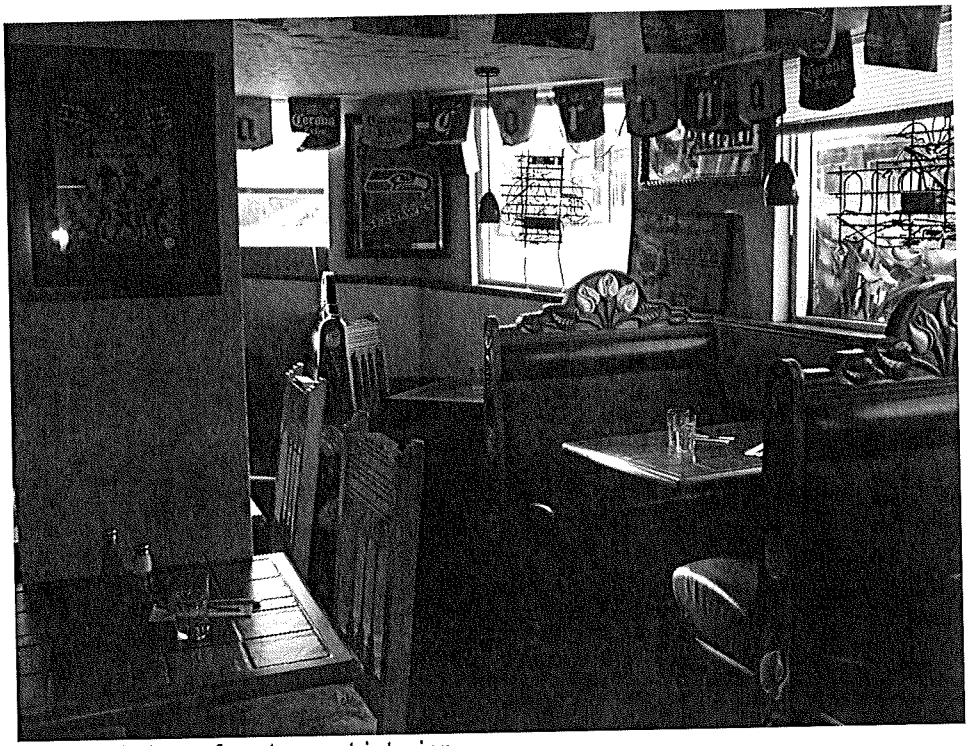


Photo 8 Typical view of restaurant interior

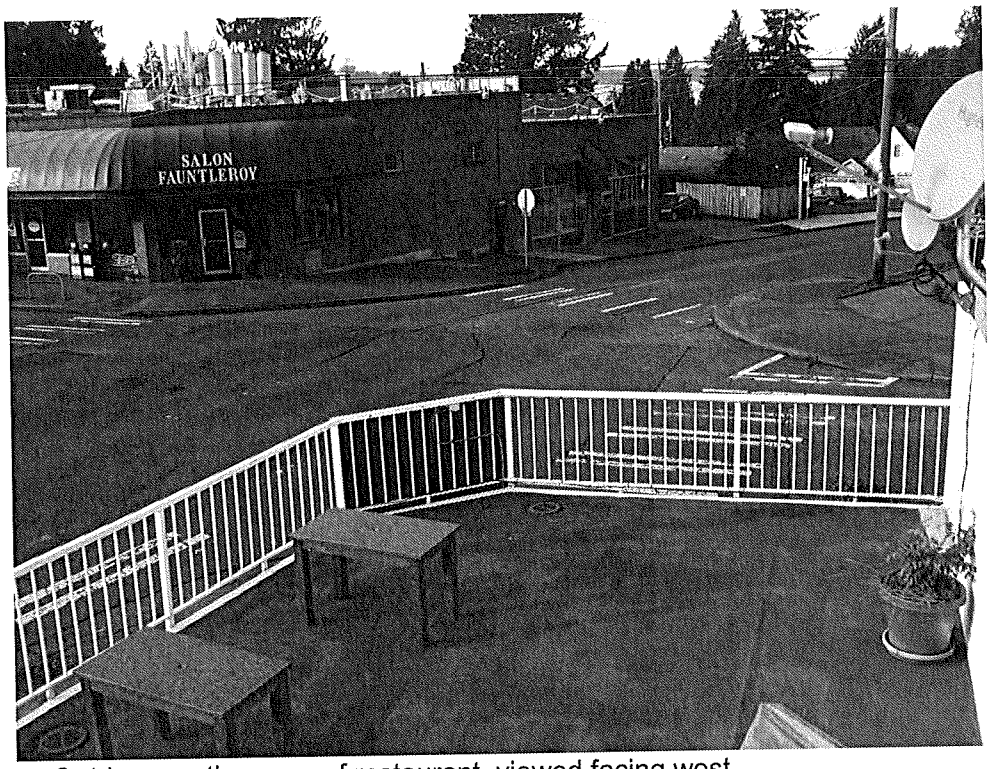


Photo 9 Outdoor seating area of restaurant, viewed facing west

Photo 10 North-adjoining apartment building, viewed facing northeast

Photo 11 North-adjoining creek, viewed facing east

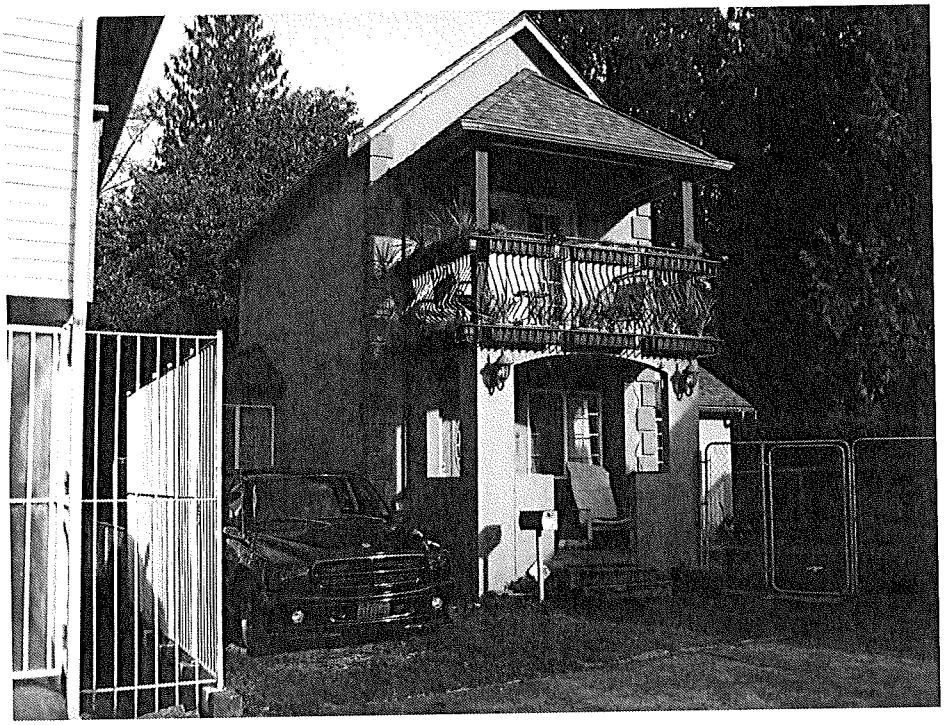


Photo 12 East-adjoining residence, viewed facing north

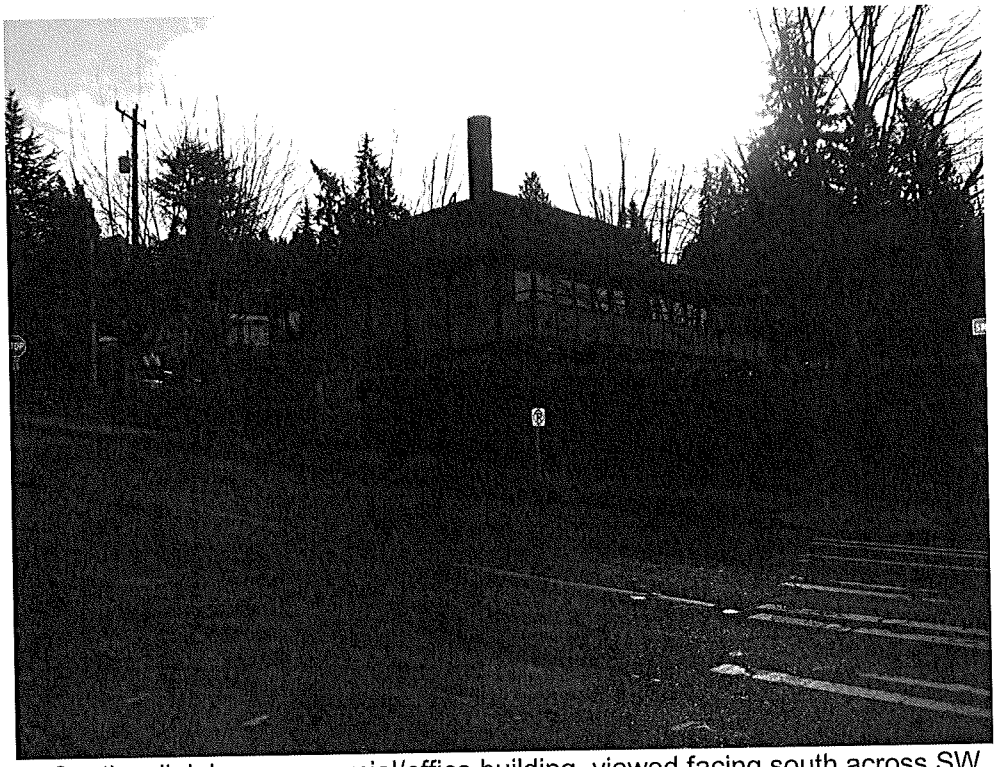


Photo 13 South-adjoining commercial/office building, viewed facing south across SW Wildwood Place

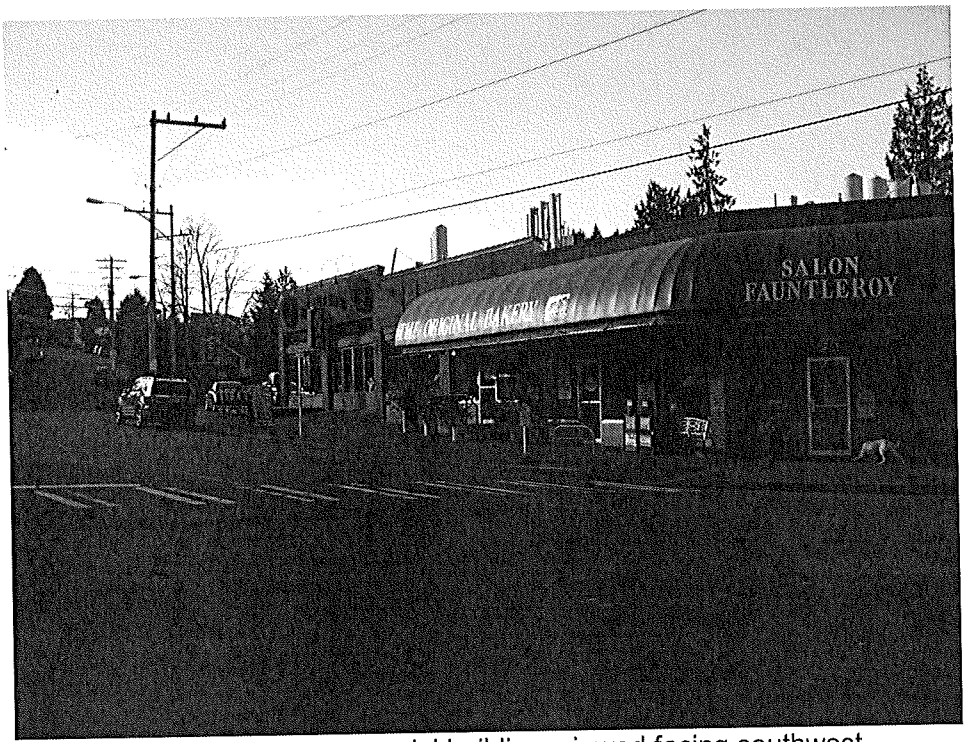


Photo 14 Southwest-adjoining commercial building, viewed facing southwest

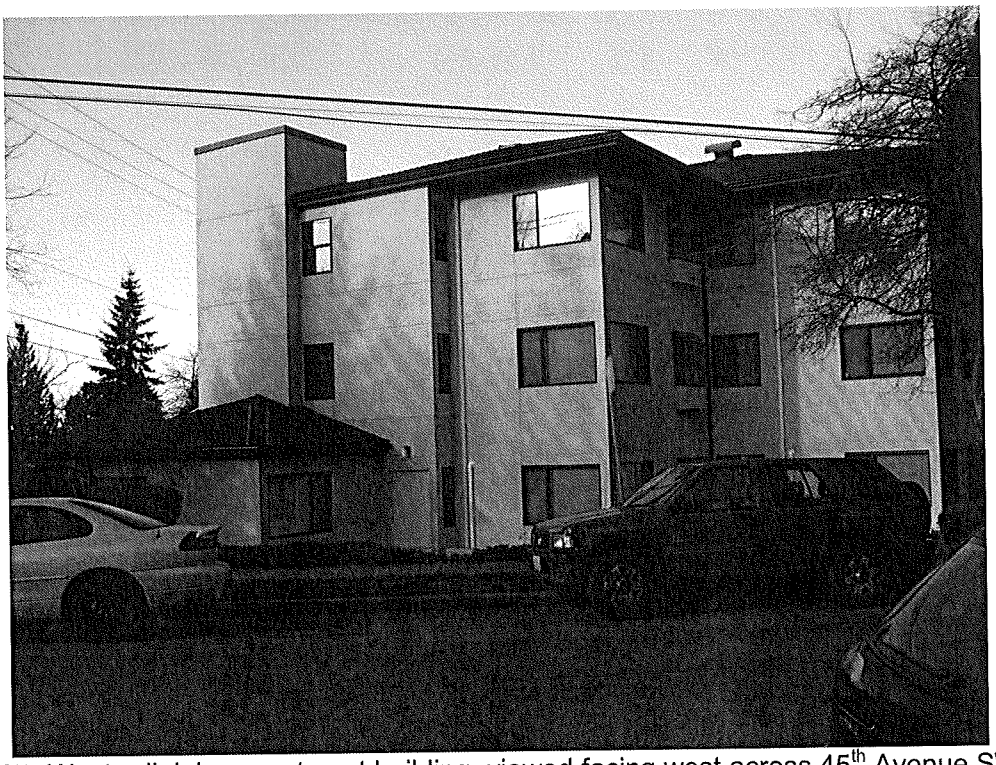


Photo 15 West-adjoining apartment building, viewed facing west across 45th Avenue SW

APPENDIX F

Credentials

MATT WHEATON, L.G., E.I.T.
ENVIRONMENTAL DEPARTMENT MANAGER

PROFESSIONAL EXPERIENCE

Mr. Wheaton is the Environmental Department Manager in Terracon's Mountlake Terrace, Washington office. His duties include the management of all phases of environmental site assessments (ESAs), business environmental risk reviews, asbestos and lead surveys, and National Environmental Policy Act (NEPA) compliance assessments for wireless telecommunications providers. He also performs technical review of environmental service projects.

Mr. Wheaton has more than 11 years of professional experience in the fields of environmental and geotechnical engineering. He has performed site characterizations of soil and groundwater for regulatory compliance, and for remediation design projects throughout North America.

PROJECT EXPERIENCE

Aboveground Storage Tank Spill Response – Tacoma, Washington

Performed spill response and coordinated remedial excavation activities associated with a petroleum hydrocarbon release from an aboveground storage tank. Duties included the management of haz-mat excavation contractors, communication of site activities with local regulators overseeing cleanup activities, soil sampling activities for compliance, and report preparation and submittal to the Tacoma/Pierce County Health Department and Washington State Department of Ecology. Based on successful removal of impacted soil and clean soil sampling results, Terracon recommended that no further remedial action is necessary.

Family Housing Asbestos and Lead Assessment – Ft. Wainwright & Ft. Greely, Alaska

Managed the completion of over 300 NESHAP asbestos surveys associated with on-call contract. Upcoming phases of project include asbestos and lead surveys of remaining family housing units scheduled for demolition and/or renovation, preparation of abatement specification, bidding assistance, abatement oversight monitoring and air sampling in accordance with federal and Alaska State regulations.

NEPA Compliance – Washington, Oregon, Idaho, Nevada, Alaska

Managed over 200 Phase I ESAs and NEPA reviews for new towers and collocations for various wireless carriers. Responsible for the coordination of all projects with subcontracted Principal Investigators in order to conduct cultural resource surveys for potential direct and indirect effect on known resources. Directed tribal contact and additional correspondence with responsive tribes. Responsible for managing public notification and communication as well as correspondence to local government agencies and additional consulting parties. Mr. Wheaton oversaw the preparation and submittal of FCC Form 620 and 621s to the respective SHPO in order to obtain concurrence on opinion of effect. Mr. Wheaton provided reviews of final reports that also included limited wildlife, floodplain, and wetlands assessments.

Union Bank Environmental Services

As the National Account Manager for Union Bank, located in California, managed the completion of over 100 Phase I and Phase II ESAs as well as numerous environmental Transaction Screens. Work is ongoing.

Education

Master of Science, Civil & Environmental Engineering, University of Maryland, 2006

Bachelor of Science, Geology, Colorado State University, 1996

Registrations

Licensed Geologist, State of Washington (2872)

Registered Geologist, State of Oregon (G2323)

Registered Engineer in Training, State of Washington (31584)

Washington State Department of Ecology Registered Site Assessor (5/08)

Certified Environmental Manager – State of Nevada (CEM#1985)

Certifications

OSHA 40-Hour Hazardous Waste Site Operations

EPA approved AHERA Building Inspector (License # 00-0076)

Work History

Terracon Consultants, Inc., Department Manager, 2012 – present; Senior Project Manager, 2006 – 2012; Environmental Department Manager, 2005-2006; Environmental Field Project Manager, 2000-2001; Staff Geologist, 1997-2000

Private Consultant, Environmental Field Manager, 2003 - 2005

University of Maryland, Research/ Teaching Assistant, , 2002 – 2004

Alpine Field Services, Inc., Geologist, 2001 – 2002

Automobile Service Center – Bellevue, Washington
Performed remedial investigation of petroleum impacted soil and groundwater at an active LUST facility. Investigation was conducted within, and surrounding an operational automobile service center. Initiated a dual phase extraction program of the delineated gasoline free-product groundwater plume. Remediation is currently on-going and includes the in-situ remediation using RegenOx and ORCAdvanced, proprietary compounds manufactured by Regenesis.

Washington Mutual/JPMorgan Chase Property Assessments – Washington State
Managed property assessments of 200 Washington Mutual financial and banking branches throughout Washington State. Project included visual assessments, limited asbestos surveys and sampling, and lead and mold visual assessments. The project was completed within three weeks of initiation.

Underground Storage Tank Removal and Remedial Excavation – Federal Way, Washington
Managed the removal of two underground storage tanks (UST) that previously contained gasoline and heating oil for personal use. Subsequent to removal, soil impacts above Washington State Model Toxics Control Act Method A cleanup levels were documented in the vicinity of the heating oil UST. Mr. Wheaton managed the cleanup of all petroleum-impacted soil by removal from a subcontracted earthwork contractor. As a result, no further remedial action was deemed necessary.

Manufacturing Facilities – Calgary, Alberta, Canada
Managed ASTM-05 compliant Phase I ESAs at two American-owned well field equipment manufacturing facilities in Calgary. Duties also included a business environmental risk review of facility operations with respect to typical U.S. practices.

Community Health Center NEPA Environmental Assessment – Everett, Washington
Managed the preparation of an Environmental Assessment (EA) for the proposed renovations and construction of a new Community Health Center in Everett. Duties included the coordination of professionals to assess cultural resources and wildlife that may be present within the proposed APE and adversely affected as a result of the proposed undertaking, public notification and communication, tribal contact and subsequent communication, and interaction with the Washington SHPO in order to obtain an opinion on the effect of the proposed undertaking on known cultural resources. A draft EA was subsequently prepared which presented the findings of the cultural resource survey including SHPO's concurrence of "no adverse effect," tribal correspondence, a wildlife assessment, and a description of alternatives to mitigate potential adverse impacts. The draft EA cleared the public comment period and a Finding of No Significant Impact (FONSI) was provided and an Environmental Impact Statement was not required.

Sedimentation Pond Cleanout – Tacoma, Washington
Characterized a sedimentation pond bottom formerly used by an aluminum smelter for polynuclear aromatic hydrocarbons, petroleum hydrocarbons, and metals. Provided oversight management during excavation of impacted soils, and collected post-excavation soil samples for regulatory compliance.

Electronics Manufacturing Facility – Cheney, Washington
Project manager for Phase I site assessment and business environmental risk review of a high-end audio repair and assembly facility. Services included a review of applicable regulatory permits and subsequent completion of required permits in order to bring facility into compliance with state and federal reporting regulations.

Various Shopping Centers –Washington
Managed asbestos surveys and lead-based paint sampling in accordance with Federal NESHAP and state regulations on numerous large shopping mall facilities proposed for demolition and/or renovation.

Former Restaurant and Office Space – Seattle, Washington
Managed asbestos survey, lead-based paint sampling, and demolition debris characterization sampling in accordance with Federal NESHAP and state regulations on a former restaurant and office space scheduled for demolition.

Duckwater Shoshone Tribe – Carlin, Nevada
Project manager responsible for a Phase I and Phase II ESAs at a former unregulated municipal landfill purchased by the Duckwater Shoshone Tribe from the City of Carlin. Duties included project administration, client consultation, soil sampling, and report preparation.

Russell Road Landfill – Marine Corps Base, Quantico, Virginia
Conducted all field activities for remediation of chlorinated solvent leachate plume emanating from a RCRA capped landfill. Duties included site investigation, well installation, and groundwater monitoring activities using low flow techniques. Provided technical support for quarterly monitoring reports submitted to the Virginia Department of Environmental Quality. Analyzed hydrogeologic site conditions using slug and tracer tests. Provided technical support during the installation, and operation and maintenance of pilot remediation program using Hydrogen Release Compound®.

Colorado Condensate Facilities – Colorado Front Range
Project field manager for extensive site characterizations to define extent of hydrocarbon and chlorinated solvent plumes at numerous sites in Colorado. Installed various remedial compounds, depending on site specific conditions, including; zero-valent iron, Oxygen Release Compound®, molasses, and microbes. Collected groundwater samples from treated areas for compliance with state voluntary cleanup plan.

Gates Rubber Facility – Boone, Iowa
Project field manager for remediation of chlorinated solvent groundwater plume. Conducted extensive site characterization for plume delineation and lithologic descriptions. Provided technical support during the design and installation of on-site pilot program and subsequent full scale remedial operations utilizing zero-valent iron and/or permanganate.

Gates Rubber Facility – London, Ontario, Canada
Project field manager for remediation of chlorinated solvent groundwater plume. Conducted extensive site characterization for plume delineation and lithologic descriptions. Provided technical support during full-scale remedial operations using Fenton's reagent. Assisted in consultations and meetings with the client and the Ontario Ministry of the Environment.

Geotechnical Investigations – Various Locations
Field geologist responsible for performing over 200 geotechnical investigations throughout Southern Arizona and New Mexico.

ERICA PITCAVAGE, G.I.T.
FIELD GEOLOGIST

PROFESSIONAL EXPERIENCE
Ms. Pitcavage's recent experience includes Phase I environmental site assessments, Phase II environmental site assessments, remedial site work and geotechnical services. She has expertise in geologic mapping in Washington, Wyoming and New Zealand, including stratigraphy and cross-section development. In addition, she has experience with a number of data collection methods and data analyses, and possesses a working knowledge of ArcGIS and AutoCAD.

PROJECT EXPERIENCE
Phase I Environmental Site Assessments
Conducted numerous Phase I environmental site assessments in accordance with ASTM Standard E 1527-05. Performed assessments of numerous industrial, commercial, retail, agricultural, residential and undeveloped properties throughout the Pacific Northwest. Evaluated additional services such as asbestos, radon, mold, threatened and endangered species and wetlands issues in conjunction with Phase I ESAs.

Environmental Site Work
Conducted field activities for Phase II environmental site assessments, Limited Site Investigations, and remedial activities including report preparation and field services. Project sites have included former and current gas stations, automotive facilities, dry cleaners, and various other commercial and industrial facilities. Experienced with a variety of drilling methodologies such as direct-push and hollow-stem auger methods. Knowledge of the United Soil Classification System per ASTM D2488-00 and D2487-00. Has conducted numerous Limited Site Investigations for site characterization purposes. Field duties have included drilling and sampling activities, monitoring well installation, development, and sampling, and soil-vapor probe sampling. Ms Pitcavage also has experienece in remedial investigations, including delineation of contaminant plume extents, and monitoring of in-situ remedial injections. In addition to environmental field activities, Ms. Pitcavage also has experience performing field services for geotechnical investigations, including geotechnical drilling and infiltration testing.

Education
Bachelor of Arts, Geology with honors, Whitman College, 2011

Affiliations
Geological Society of America

Association for Women Geoscientists

Work History
Terracon Consultants, Inc., Field Geologist, 2011 - Present

Oregon State University—College of Oceanic and Atmospheric Sciences, Research Assistant, 2009

Certifications
Geologist-in-Training, Washington, 2012

40-Hr Hazardous Waste Operations and Emergency Response Training

CPR/AED Certified, 2012

Washington UST Site Assessor, 2013

TRAVIS HAUK

ENVIRONMENTAL PROJECT MANAGER

PROFESSIONAL EXPERIENCE

Mr. Hauk is an environmental project manager responsible for managing and performing environmental projects at the Mountlake Terrace, Washington office. He has more than eight years of experience completing environmental assessments for telecommunications, commercial, industrial, retail, residential and undeveloped properties. Mr. Hauk has experience preparing NEPA reports for federal undertakings. Mr. Hauk also conducts asbestos surveys, mold investigations, lead-based paint surveys, and indoor air quality investigations, including monitoring and sampling. Mr. Hauk possesses an excellent understanding of all phases of environmental site assessments, underground storage tank removals, assessment of asbestos-containing building materials, and in natural resources investigations.

PROJECT EXPERIENCE

Environmental Site Assessments (ESAs)

Mr. Hauk has performed numerous Phase I environmental site assessments of various industrial, commercial, retail, agricultural, residential and undeveloped property throughout the United States. He is familiar with ASTM 1527 and E2600-10 requirements and has evaluated issues such as asbestos, lead, PCBs, radon, mold, threatened and endangered species, and wetlands issues in conjunction with Phase I assessments. Mr. Hauk has performed Phase II assessments to identify and characterize soil and groundwater contamination at several leaking underground storage tank (LUST) sites. Mr. Hauk has experience with underground and aboveground storage tank (AST/UST) removals, site investigations, and remedial actions. He has researched site history and performed file research, and performed sample collection and soil classification. Projects have included multi-tenant industrial complexes, commercial properties, large agricultural parcels, and various automotive facilities. He has performed assessments of property throughout Washington and Oregon and states including California, Idaho, Montana, Alaska, Arizona, Colorado, Illinois, Missouri, and Texas.

Asbestos Surveys

Mr. Hauk has performed AHERA and NESHAP-level asbestos surveys at numerous multi-family residential, public and private educational, hospital, commercial, and retail properties slated for renovation or demolition. Mr. Hauk has also performed project management for the proper and safe management or removal of asbestos containing materials.

Environmental Site Work

Performed numerous Phase II ESAs and LSIs from the proposal stage to final report preparation including result interpreatation and client recommendations in collaboration with Project Managers.

Education

Bachelor of Science, Biology, 2001, Northern Arizona University

Certifications

AHERA Building Inspector

NIOSH 582 Equivalent 32 Hr. Sampling and Evaluating Airborne Asbestos Dust, 2012

40-Hour OSHA HAZWOPER

IAQA Certified Mold Remediator

Certified Lead-based Paint XRF Operator

NAFI Certified Fire and Explosion Investigator

Work History

Terracon, Environmental Professional and Project Manager, 2006-present

Aerotech P&K, Mycologist, 2006

Legend Technical Services, Biologist/Chemist, 2005-2006

Engineering and Fire Investigations, Microbiologist, 2001-2005

Buckeye Union High School, Instructor, 2000-2001

Terracon

Field services included groundwater monitoring events, drilling operations with soil- and groundwater sampling, and groundwater monitoring well installation. Mr. Hauk is experienced with a variety of drilling methodologies such as direct-push and hollow-stem auger.

Various Telecommunication Sites

Managed over 100 projects for several major telecommunication carriers throughout Washington, Oregon, Alaska, and Arizona. Project activities included performing and managing Phase I ESAs, NEPA and Section 106 Reviews, client, regulatory, and tribal agency communications, and preparing reports.

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
Northwest Regional Office • 3190 160th Ave SE • Bellevue, WA 98008-5452 • 425-649-7000
711 for Washington Relay Service • Persons with a speech disability can call 877-833-6341

March 11, 2014

Mr. Kurt Fisher
Endolyne Gardens, LLC
2143 North Northlake Way, #C-1
Seattle, WA 98103

Re: Opinion Pursuant to WAC 173-340-515(5) on Proposed Remedial Action for the Following Hazardous Waste Site:

- **Name:** 45th Avenue SW Apartments
- **Address:** 9212 45th Avenue SW, Seattle, WA
- **Facility/Site No.:** 71883959
- **VCP No.:** NW2809
- **Cleanup Site ID No.:** 10264

Dear Mr. Fisher:

Thank you for submitting documents regarding your proposed remedial action for the **45th Avenue SW Apartments** facility (Site) for review by the Washington State Department of Ecology (Ecology) under the Voluntary Cleanup Program (VCP). Ecology appreciates your initiative in pursuing this administrative option for cleaning up hazardous waste sites under the Model Toxics Control Act (MTCA), Chapter 70.105D RCW.

This letter constitutes an advisory opinion regarding a review of submitted documents/reports pursuant to requirements of MTCA and its implementing regulations, Chapter 70.105D RCW and Chapter 173-340 WAC, for characterizing and addressing the following release(s) at the Site:

- Total gasoline-range petroleum hydrocarbons (TPHg), total oil-range petroleum hydrocarbons (TPHo) and benzene, toluene, ethylbenzene, and xylenes (BTEX) in Soil.

Ecology is providing this advisory opinion under the specific authority of RCW 70.105D.030(1)(i) and WAC 173-340-515(5).

This opinion does not resolve a person's liability to the state under MTCA or protect a person from contribution claims by third parties for matters addressed by the opinion. The state does

not have the authority to settle with any person potentially liable under MTCA except in accordance with RCW 70.105D.040(4). The opinion is advisory only and not binding on Ecology.

Ecology's Toxics Cleanup Program has reviewed the following information regarding your proposed remedial actions:

1. GeoTech Consultants (GeoTech), *Removal of Underground Storage Tanks, 14-Unit Apartment Building, 9212 45th Avenue SW, Permit No. 645073, Seattle, WA,* September 5, 1989.

2. GeoTech, *Closure Report: Underground Storage Tanks, 14-Unit Apartment Building, 9212-45th Avenue Southwest, Seattle, WA,* December 5, 1989.

3. Terracon, *Phase I Environmental Site Assessment Report, Endolye Garden, 9212 and 9214 45th Avenue Southwest, King County Parcel No. 234670-0000, Seattle, King County, WA*, December 9, 2013.

The reports listed above will be kept in the Central Files of the Northwest Regional Office of Ecology (NWRO) for review by appointment only. Appointments can be made by calling the NWRO resource contact at (425) 649-7235 or sending an email to nwro_public_request@ecy.wa.gov.

The Site is defined by the extent of contamination caused by the following releases:

- TPHg, TPHo and BTEX in Soil;

The 45th Avenue SW Apartments is on King County Tax Parcel 2346700000 which is comprised of 0.22 acres of land (Property). The 45th Avenue SW Apartments facility is located east of 24th Avenue SW and north of SW Wildwood Place in Seattle, WA. The Property is currently in use as 14 apartment units and a restaurant. The Property was historically used as a gas station and for automotive repair from prior to 1940 to approximately 1989. Six underground storage tanks (USTs) were removed from various portions of the Property in 1989. Two of the USTs were reportedly used to store oil, and four were used to store leaded gasoline. The dispensation of the rest of the former Property structures is unknown. BTEX and TPHo were detected in soil samples collected during the tank removal activities.

Based on a review of supporting documentation listed above, pursuant to **requirements contained in MTCA and its implementing regulations, Chapter 70.105D RCW and Chapter 173-340 WAC, for characterizing and addressing the following release(s) at the Site, Ecology has determined:**

- Complete Site characterization is a necessary prerequisite for determining an appropriate cleanup action and cleanup standard. Ecology requires current data in order to evaluate Site conditions and make a determination as to the adequacy of cleanup actions.

- The characterization of this Site is not complete. The vertical and lateral extent of contamination in soil identified in 1989 near the USTs has not been determined. Soil samples were not collected from the base and sidewalls from each UST excavation. For example, base of excavation samples were not collected below Tanks 3 and 4, and sidewall samples were not collected at Tanks 3 through 6.

  Soil samples collected at Tanks 3 through 6 were not analyzed for TPHg, and analysis was not conducted to determine if lead was released to soil at the Site related to the former storage of leaded gasoline. Soil samples collected at Tanks 1 and 2 were analyzed using an outdated analytical methodology, and were not analyzed for the parameters currently required to characterize waste oil releases as presented on Table 830-1 of the MTCA regulation. The location of Tank 2 is noted on a historic drawing dated October 23, 1951, presented in the Phase I ESA as a "w.o." tank, which typically denotes waste oil tanks. This figure also shows potential hydraulic lifts and sumps within the service garage. The former locations of dispenser islands and automotive service areas have not been sampled. A letter from the Seattle Department of Construction and Land Use dated June 21, 1989, indicates "The nearby ravine will also be cleared of waste and debris from former uses on the site." The potential for releases to the ravine also needs to be explored.

  Therefore, additional sampling and analysis needs to be conducted at the Site to determine compliance with MTCA soil cleanup levels. In addition, the historic documentation in the Phase I ESA should be reviewed and evaluated to determine if any other former structures at the Site may have caused releases.

- No current information regarding the depth of groundwater at and in the vicinity of the Site is provided. Additional information regarding the occurrence and depth of groundwater at the Site is needed to determine whether groundwater is a potentially impacted media at the Site. Any potential ground water contamination will need to be characterized.

- A Terrestrial Ecological Evaluation (TEE) is required per WAC 173-340-7490 to determine if cleanup levels that are protective of terrestrial species are applicable to the Site. A TEE form can be found at http://www.ecy.wa.gov/programs/tcp/vcp/vcp2008/vcpForms.html.

- Soil and ground water samples collected from the Site should be analyzed according to Table 830-1 of the MTCA regulation and following the requirements of Table 7.2, page

95, in the ***Guidance for the Remediation of Petroleum Contaminated Sites*** published by Ecology as Publication No. 10-09-057, September 2011. Where hydrocarbons are detected, the additional parameters listed on Table 830-1 of the MTCA regulation should then be analyzed in the samples with the greatest TPH concentrations.

- All potential contaminants of concern (COCs) need to be identified and discussed, and appropriate cleanup levels identified for comparison. Once the RI is complete and each potential COC is discussed, Ecology will comment on the final COCs for the Site.

- Under Washington State law, specifically Chapters 18.43 and 18.220 RCW, hydrogeologic and engineering work must be conducted by or under the supervision of a licensed geologist, hydrogeologist or professional engineer qualified to conduct the work. Any site investigation/cleanup document containing geologic or engineering work must be submitted under the seal of such an appropriately licensed professional. This work includes but is not limited to interpretations of geologic or ground water data, design calculations or as-built plans. The previously submitted reports lack evidence of this certification, mainly due to their age. Subsequent reports submitted for the cleanup of this Site need to meet this requirement.

- Before further work is completed at the Property, Ecology recommends the development of a work plan to facilitate collection of appropriate data. An annotated outline of a Remedial Investigation (RI) Report is presented in **Enclosure A** to provide an understanding of Ecology's expectations for conducting and documenting the RI.

This opinion does not represent a determination by Ecology that a proposed remedial action will be sufficient to characterize and address the specified contamination at the Site or that no further remedial action will be required at the Site upon completion of the proposed remedial action. To obtain either of these opinions, you must submit appropriate documentation to Ecology and request such an opinion under the VCP. **This letter also does not provide an opinion regarding the sufficiency of any other remedial action proposed for or conducted at the Site.**

Please note that this opinion is based solely on the information contained in the documents listed above. Therefore, if any of the information contained in those documents is materially false or misleading, then this opinion will automatically be rendered null and void.

The state, Ecology, and its officers and employees make no guarantees or assurances by providing this opinion, and no cause of action against the state, Ecology, its officers or employees may arise from any act or omission in providing this opinion.

Again, Ecology appreciates your initiative in conducting independent remedial action and requesting technical consultation under the VCP. As the cleanup of the Site progresses, you may

request additional consultative services under the VCP, including assistance in identifying applicable regulatory requirements and opinions regarding whether remedial actions proposed for or conducted at the Site meet those requirements.

If you have any questions regarding this opinion, please contact me at (425) 649-7257 or by email at masa461@ecy.wa.gov.

Sincerely,

Louise Bandy for Maureen Sanchez

Maureen Sanchez
Site Manager
Toxics Cleanup Program

Enclosure (1): Remedial Investigation Outline

cc: Sonia Fernandez, VCP Coordinator, Ecology

Enclosure A

Remedial Investigation Outline

Outline for Remedial Investigation Report
For Discussion Purposes

The following annotated outline is a suggested schematic for elements to be included in a Remedial Investigation report. It is not intended to replace MTCA's specific requirements as presented in 173-340-350(7) WAC.

The main purpose of the outline is to facilitate the preparation of a document that is clear, comprehensive, and to the point. A secondary, but important, purpose for this project is to make document preparation and review more efficient.

INTRODUCTION
(*concise, bulleted if possible*)

- Site name,VCP number, Name, address, and phone number of project consultant, Current owner/operator
- Purpose of document *(very brief restatement of what an RI is for, reference the WAC)*

SITE IDENTIFICATION AND DESCRIPTION
(*focus on defining the site in the context of its' location*)

- Site discovery and regulatory status (*describe how the site was identified and where it is in the MTCA process)*
- Site and property location/definition (*define actual MTCA site location relative to property or study area*)
- Neighborhood setting
- Physiographic setting/topography

Figure – Vicinity Map (*preferably with topography*)
Figure – Property/Site Map (*preferably with topography*)
Appendix – Legal description of property, present owner and operator, chronological listing of past owners and operators

PROPERTY DEVELOPMENT AND HISTORY
(*this section focuses on the built environment, both current and historical, and presents the sources of contamination and release mechanisms*)

- Past site uses and facilities
- Current site use and facilities
- Proposed or potential future site uses
- Zoning (*if appropriate)*
- Transportation/roads
- Utilities, water supply

- Potential sources of site contamination
- Potential sources of contamination from neighboring properties (*discuss nearby sources if known)*

Figure – Historical site features (*may be combined with Figure 2*)
Figure – Potential contaminant sources
Figure – Utilities (*may be combined with Figure 2*)
Table – Potential Contaminants

ENVIRONMENTAL INVESTIGATION/INTERIM ACTION SUMMARY

(*Concise summary presentation of the investigations that have been done at the site, along with prior remedial actions. Focused mostly on figures and tables. Details of and methods used in former investigations and remediation in appendices*)

- Constituents of Concern (*brief discussion about which specific compounds were chosen for analysis and why)*
- Soil
- Surface water
- Ground water
- Sediment
- Air/soil vapor
- Natural resources/wildlife
- Cultural history/archeology
- Interim actions (*brief intro to prior remediation activities*)

Figure – Soil investigation data points (*show potential source areas*)
Figure – Surface water/groundwater investigation data points (*show potential source areas*)
Figure – Air investigation data points (*show potential source areas*)
Figure – Prior remediation activities

Table – Exploration Summary
Table – Analytical Schedule per media (*include analytical methods and reporting limits, as possible)*

Appendix – Previous Investigations (*detailed discussion goes here)*
Appendix - Exploration and sampling methodology (*may combine with Previous Investigations)*
Appendix – Boring/ Well logs
Appendix - Prior Interim Actions

NATURAL CONDITIONS

- Geology
  (*focus on interpretation*)

  - Regional Setting (*brief*)
  - Property Geologic Conditions (*synthesis, not regurgitation of boring logs*)
  - Physical Properties (*unlikely to need this section, but in some cases may be useful to present data on soil adsorptive capacity, organic content, strength, etc.)*

  Figure – Plan view of geologic unit distribution (*if helpful*)
  Figure - Cross section A-A' (*show borings, wells, screened intervals, water levels*)
  Figure – Cross section B-B' (*if necessary*)

- Surface Water
  (*brief description of the surface water system*)

  - Property drainage
  - Area surface water/floodplain issues
  - Regulatory classifications, if any (*e.g surface water classification)*

  Figure – Surface water Conditions (*only if information not already in a prior figure*)

- Ground Water
  (*focus on interpretation, show on cross-sections*)

  - Occurrence (*aquifers, water levels, confinement, geometry, continuity, physical properties*)
  - Movement (*directions, gradient if important, seasonal fluctuations, tidal influence*)
  - Discharge
  - Recharge (*if significant for site*)
  - Regulatory classifications, if any (*e.g. sole source aquifer*)

  Figure – Cross section with ground water information (*if not already included above*)
  Figure – Water table/potentiometric surface maps (*for various seasons or tidal conditions, show surface water*)

  Appendix – Ground water elevation data (*a table)*

- Natural Resources and Ecological Receptors
  (*preparatory to a TEE*)

  - Greenbelts and other natural habitat
  - Wildlife
  - Other Information required to conduct evaluations under -7491, -7492, or if necessary -

7493

Figure – showing natural areas, as appropriate

CONTAMINANT OCCURRENCE AND MOVEMENT
(*brief text, mostly figures and tables, main point is to provide easy-to-understand figures showing the depth and breadth of contamination*)

- Waste Material (*sludges, fluids, stockpiles)*
- Soil
- Surface Water
- Ground Water
- Sediment
- Air/Soil Vapor

Figures – Cross sections showing soil contamination with depth
Figures – Plan views showing soil contamination across site (*relative to releases if known*)
Figures – Cross section showing ground water contamination with depth (*if appropriate*)
Figures – Plan views showing ground water contamination in each aquifer (*relative to soil contamination and P-head map*)
Figures – XY plots of specific contaminants with time (*as appropriate*)
Figures – Others as appropriate to show the distribution of surface water, ground water, or air data

Tables – All of the analytical data against final cleanup levels (*exceedances highlighted, no need to develop screening levels*)
Tables – Summary of exceedances (*if helpful*)

Appendix – QA report
Appendix – Analytical lab reports

CONCEPTUAL MODEL
(*putting the whole story together, graphic illustrations are best*)

- Contaminant release/fate and transport/potential or actual receptors
- Data gaps (*is anything missing)*

CLEANUP STANDARDS
(*developing appropriate cleanup standards based on receptors and pathways*)

- Soil
  - Reasonable maximum exposure
  - Cleanup levels protective of contact, ground water, inhalation, terrestrial species, surface water, sediment
  - Points of compliance

- Regulatory classifications *(classification of soil as dangerous or solid waste)*

- Ground Water
  - Highest beneficial use/reasonable maximum exposure
  - Cleanup levels protective of potable use, inhalation, surface water, sediment
  - Points of compliance
- Other Media as appropriate
  - Cleanup levels protective of ....
  - Points of compliance

Table – Cleanup Levels (*all potentially applicable values with final selected cleanup level noted*)

AREAS REQUIRING CLEANUP

(*the final story detailing where the contamination exceeds an applicable cleanup standard, brief text, mostly tables, figures*)

- Constituents of Concern (*a brief summary of compounds that exceed cleanup levels or "indicator hazardous substances" under MTCA. For most service station sites, the COCs should be the same)*
- Soil – vertical and lateral
- Ground water – vertical and later
- Sediment –
- Surface Water
- Soil Vapor/air

Figures – Plan view and vertical sections of areas requiring cleanup

REFERENCES

FARALLON CONSULTING

Washington
Issaquah | Bellingham | Seattle

Oregon
Portland | Bend

California
Oakland | Sacramento | Irvine

May 1, 2015

Ms. Maureen Sanchez, Site Manager
Washington State Department of Ecology, Voluntary Cleanup Program
Northwest Regional Office
3190 160th Avenue Southeast
Bellevue, Washington 98008

BY E-MAIL AND MAIL

RE: LIMITED SUBSURFACE INVESTIGATION—SUMMARY OF RESULTS
ENDOLYNE GARDEN APARTMENTS
9212 45th AVENUE SOUTHWEST, SEATTLE, WASHINGTON
FARALLON PN: 1295-001

Dear Ms. Sanchez:

Farallon Consulting, L.L.C. (Farallon) has prepared this letter on behalf of Endolyne Apartments, LLC (Endolyne) to request an opinion from the Washington State Department of Ecology (Ecology) regarding the results from a limited subsurface investigation conducted at 9212 45th Avenue Southwest in Seattle, Washington (herein referred to as the Property) and proposed follow-up work (Figure 1).

The purpose of the limited subsurface investigation was to address Ecology concerns regarding potential releases resulting from former operations at the Property that included petroleum underground storage tanks (USTs). The limited subsurface investigation involved collection of shallow soil and groundwater data at the Property to evaluate whether a threat to human health or the environment exists, and to support a request for a No Further Action (NFA) determination under the Ecology Voluntary Cleanup Program (VCP).

This letter provides a summary of the data collected during the limited subsurface investigation conducted on January 26 and 27, 2015. Petroleum constituents were detected at concentrations exceeding Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A cleanup levels in one soil sample and in two reconnaissance groundwater samples collected adjacent to the approximate location of a gasoline UST formerly on the Property. This letter also summarizes proposed follow-up work consisting of additional subsurface investigation at the Property and adjacent 45th Avenue Southwest right-of-way.

A gas station and automotive repair shop reportedly operated on the 0.22-acre Property from prior to 1940 until 1989, when the Property was redeveloped with a 14-unit apartment complex with resident parking and a restaurant on the ground floor. Redevelopment included decommissioning of six USTs that reportedly were used to store oil and gasoline. The scope of the limited subsurface investigation was designed to meet the requirements of MTCA and was developed based on conversations with Ecology and Endolyne, and the following documents:

- Letter regarding Removal of Underground Storage Tanks, 14-Unit Apartment Building, 9212 45th Avenue S.W., Permit No. 645073, Seattle, Washington dated September 5, 1989 from Mr. Marc McGinnis, Geotech Consultants, to Ms. Faith Lumsden, City of Seattle Department of Construction and Land Use;
- Letter regarding Closure Report, Underground Storage Tanks, 14-Unit Apartment Building, 9212 45th Avenue, Seattle, Washington dated December 5, 1989 from Mr. Marc McGinnis and Mr. Don Spencer, Geotech Consultants, to Fauntleroy Associates;
- *Phase I Environmental Site Assessment, Endolyne Garden, 9212 and 9214 45th Avenue Southwest, King County Parcel No. 234670-0000, Seattle, King County, Washington* dated December 9, 2013, prepared by Terracon Consultants, Inc. for Intervest;
- Letter regarding Opinion Pursuant to WAC [Washington Administrative Code] 173-340-515(5) on Proposed Remedial Action for the Following Hazardous Waste Site, Name: 45th Avenue SW Apartments, Address: 9212 45th Avenue SW, Seattle, WA, Facility/Site No.: 71883959, VCP No.: NW2809, Cleanup Site ID No.: 10264 dated March 11, 2014 from Ms. Maureen Sanchez, Ecology Toxics Cleanup Program, to Mr. Kurt Fisher, Endolyne;
- Letter regarding Scope of Work, Limited Soil Investigation, Endolyne Garden Apartments, 9212 45th Avenue Southwest, Seattle, Washington, dated June 21, 2014 from Farallon to Ms. Maureen Sanchez, Ecology VCP; and
- Letter regarding Opinion Pursuant to WAC 173-340-515(5) on Proposed Remedial Action for the Following Hazardous Waste Site, Name: 45th Avenue SW Apartments, Address: 9212 45th Avenue SW, Seattle, WA, Facility/Site No.: 71883959, VCP No.: NW2809, Cleanup Site ID No.: 10264 dated October 10, 2014 from Ms. Maureen Sanchez, Ecology Toxics Cleanup Program, to Mr. Steve Lazoff, Endolyne.

Ecology site identification numbers are provided below for reference:

Facility/Site: 71883959
Cleanup Site: 10264
VCP: NW2809

SUMMARY OF RESULTS

The limited subsurface investigation conducted on January 26 and 27, 2015 entailed advancing nine borings using a limited-access push-probe drill rig for collection of soil and reconnaissance groundwater samples. A hand-auger was used to advance two additional borings for collection of soil samples in locations that the drill rig could not access. Nine of the sampling locations were selected because of their proximity to the locations of the former USTs. The two sampling locations on the northern portion of the Property were selected to enable collection of soil samples representative of the inferred approximate former ravine ground surface before the ravine was filled. The former USTs are summarized below and are shown on Figure 1.

Former Underground Storage Tanks				
ID	**Previous Contents**	**Date of Removal**	**Estimated Capacity (gallons)**	**Estimated Bottom Depth (feet)**
1	Oil	7/17/1989	150	6
2	Oil	7/17/1989	330	6
3	Gasoline	7/19/1989	5,000	12
4	Gasoline	7/19/1989	5,000	12
5	Gasoline	8/18/1989	1,000	8
6	Gasoline	8/18/1989	1,000	8

Soil encountered during the drilling program was generally silt or silty sand. Groundwater was encountered at a depth of approximately 6 feet below ground surface (bgs) in the area around former USTs 1 and 2, and between approximately 9 and 12 feet bgs around former USTs 3 and 4. Petroleum odors were noted at only one location: boring B3 at depths of between approximately 9.6 and 12.6 feet bgs, the approximate depth to groundwater at this location. Boring logs are provided in Attachment A.

SOIL ANALYTICAL TESTING

Twenty soil samples were collected from the 11 sampling locations at depths of between 2.5 and 15.5 feet bgs and were analyzed for a range of constituents that could be present as a result of the USTs formerly present at the Property or operations formerly conducted at the Property, as follows:

- Total petroleum hydrocarbons (TPH) as diesel-range organics (DRO) using Northwest Method NWTPH-Dx;
- TPH as oil-range organics (ORO) using Northwest Method NWTPH-Dx;
- TPH as gasoline-range organics (GRO) and benzene, toluene, ethylbenzene, and xylenes (BTEX) using Northwest Method NWTPH-Gx/U.S. Environmental Protection Agency (EPA) Method 8021B;
- Fuel additives methyl tertiary-butyl ether (MTBE), 1,2-dibromomethane (EDB), and 1,2-dichloroethane (EDC); naphthalene; and total lead using EPA Methods 8260C; 8270/SIM; and 6020A/200.8, respectively;
- Polycyclic aromatic hydrocarbons (cPAHs) using EPA Method 8270/SIM;
- Polychlorinated biphenyls (PCBs) using EPA Method 8082A; and
- Halogenated volatile organic compounds (HVOCs) using EPA Method 8260C.

GRO was detected at a concentration exceeding the MTCA Method A cleanup level of 30 milligrams per kilogram (mg/kg) when benzene is present, in the soil sample collected from boring B3, proximate to former UST 3, at a depth of 11.5 feet bgs. GRO was not detected in the soil sample collected from boring B3 at a depth of approximately 15.5 feet bgs. None of the

other constituents analyzed for were detected at a concentration exceeding MTCA Method A cleanup levels in any of the other 19 soil samples collected from the 11 locations. Laboratory analytical reports are provided in Attachment B. Analytical results for soil samples are shown on Figure 2, and are summarized in Tables 1 through 6.

Constituents detected in soil samples at concentrations less than MTCA Method A cleanup levels are summarized below:

- Ethylbenzene and total xylenes were detected at concentrations of 0.12 and 0.13 mg/kg, respectively, in the soil sample collected from boring B3, proximate to former UST 3, at a depth of 11.5 feet bgs;
- ORO was detected at a concentration of 310 mg/kg in the soil sample collected from boring B11, in the northern portion of the Property at a depth of 11 feet bgs, the inferred depth of the former ravine ground surface in this area;
- Total lead was detected at a concentration of 6.4 mg/kg in the soil sample collected from boring B7, proximate to former UST 4, at a depth of 8 feet bgs;
- Tetrachloroethene was detected at a concentration of 0.0030 mg/kg, slightly exceeding the reporting limit, in the soil sample collected from boring B2, proximate to former UST 2, at a depth of 6 feet bgs.

RECONNAISSANCE GROUNDWATER ANALYTICAL TESTING

Four reconnaissance groundwater samples were collected from the shallowest groundwater encountered between depths of approximately 6 and 12 feet bgs in the area around USTs 1 through 4 and were tested for a range of constituents that could be present as a result of the USTs formerly present at the Property or operations formerly conducted at the Property, as follows:

- DRO using Northwest Method NWTPH-Dx;
- ORO using Northwest Method NWTPH-Dx;
- GRO and BTEX using Northwest Method NWTPH-Gx/EPA Method 8021B;
- Fuel additives MTBE, EDB, and EDC; naphthalene; and total and dissolved lead using EPA Methods 8260C; 8270/SIM; and 6020A/200.8, respectively;
- cPAHs using EPA Method 8270/SIM;
- PCBs using EPA Method 8082A; and
- HVOCs using EPA Method 8260C.

GRO was detected at concentrations of 15,000 and 1,900 micrograms per liter (µg/l) in reconnaissance groundwater samples collected from borings B3 and B4, respectively, which exceed the MTCA Method A cleanup level of 800 µg/l. Benzene was detected at concentrations of 18 and 5.9 µg/l in reconnaissance groundwater samples collected from borings B3 and B4, respectively, which exceed the MTCA Method A cleanup level of 5 µg/l. Total lead was detected at a concentration of 1,300 µg/l in the reconnaissance groundwater sample collected

from boring B4, proximate to former UST 4, which exceeds the MTCA Method A cleanup level of 15 µg/l. There was insufficient reconnaissance groundwater sample collected from boring B4 to analyze for dissolved lead to enable evaluation of whether the measured total lead concentration was attributable to dissolved lead or to suspended soil in the sample. Laboratory analytical reports are provided in Attachment B. Analytical results for the reconnaissance groundwater samples are summarized in Tables 7 through 12, and are shown on Figure 3.

Constituents detected in reconnaissance groundwater samples at concentrations less than MTCA Method A cleanup levels are summarized below:

- Toluene, ethylbenzene, and total xylenes were detected in the reconnaissance groundwater samples collected from borings B3 and B4, proximate to former UST 3;
- GRO and all BTEX constituents were detected in the reconnaissance groundwater samples collected from boring B2, proximate to former UST 2, and from boring B6, proximate to former UST 3;
- Total lead was detected in the reconnaissance groundwater sample collected from boring B2, proximate to former UST 2; dissolved lead was non-detect; and
- Naphthalene was detected in the reconnaissance groundwater sample collected from boring B2, proximate to former UST 2.

SUMMARY OF PROPOSED ADDITIONAL WORK

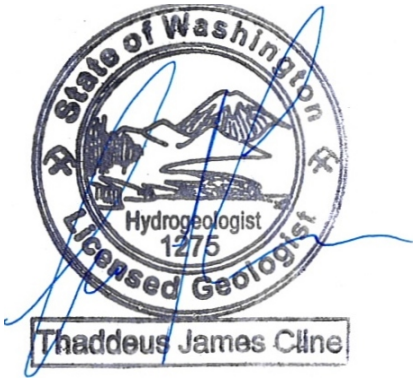
Petroleum constituents were detected at concentrations exceeding MTCA Method A cleanup levels in one soil sample and in two reconnaissance groundwater samples collected adjacent to former UST 3. Endolyne proposes to conduct additional subsurface investigation to further characterize the nature and extent of constituents detected in soil and groundwater at the Property. Results of this additional subsurface investigation will be presented in a supplement to this letter, including recommendations for further work.

Proposed work includes advancing up to four additional soil borings on the Property in the vicinity of UST 3 and collecting soil and reconnaissance groundwater samples for analysis for GRO and BTEX to refine the estimated extent of residual petroleum in soil and groundwater in this area. Proposed work also includes installation of three approximately 15-foot-deep, 2-inch-diameter polyvinyl chloride (PVC) monitoring wells screened in the shallowest water-bearing strata to further refine the estimated extent of impacted groundwater and to evaluate the hydraulic gradient direction and magnitude of the shallowest water-bearing stratum. One monitoring well will be located proximate to former UST 3 in the parking strip of the 45th Avenue Southwest right-of-way. The second monitoring well will be located proximate to former UST 1 and UST 2 near the western side of the Property. The third monitoring well will be located on the northern portion of the Property. The monitoring wells will be developed and sampled for GRO, BTEX, and dissolved and total lead. The monitoring wells will be surveyed to a common datum, and groundwater level elevations will be measured to enable evaluation of groundwater flow gradient direction and magnitude.

Please contact either of the undersigned at (425) 295-0800 if you have questions or comments regarding this scope of work.

Sincerely,

Farallon Consulting, L.L.C.



Thaddeus Cline, P.E., L.G., L.H.G.
Principal Civil Engineer/Hydrogeologist

Clifford T. Schmitt, L.G., L.H.G.
Principal Hydrogeologist

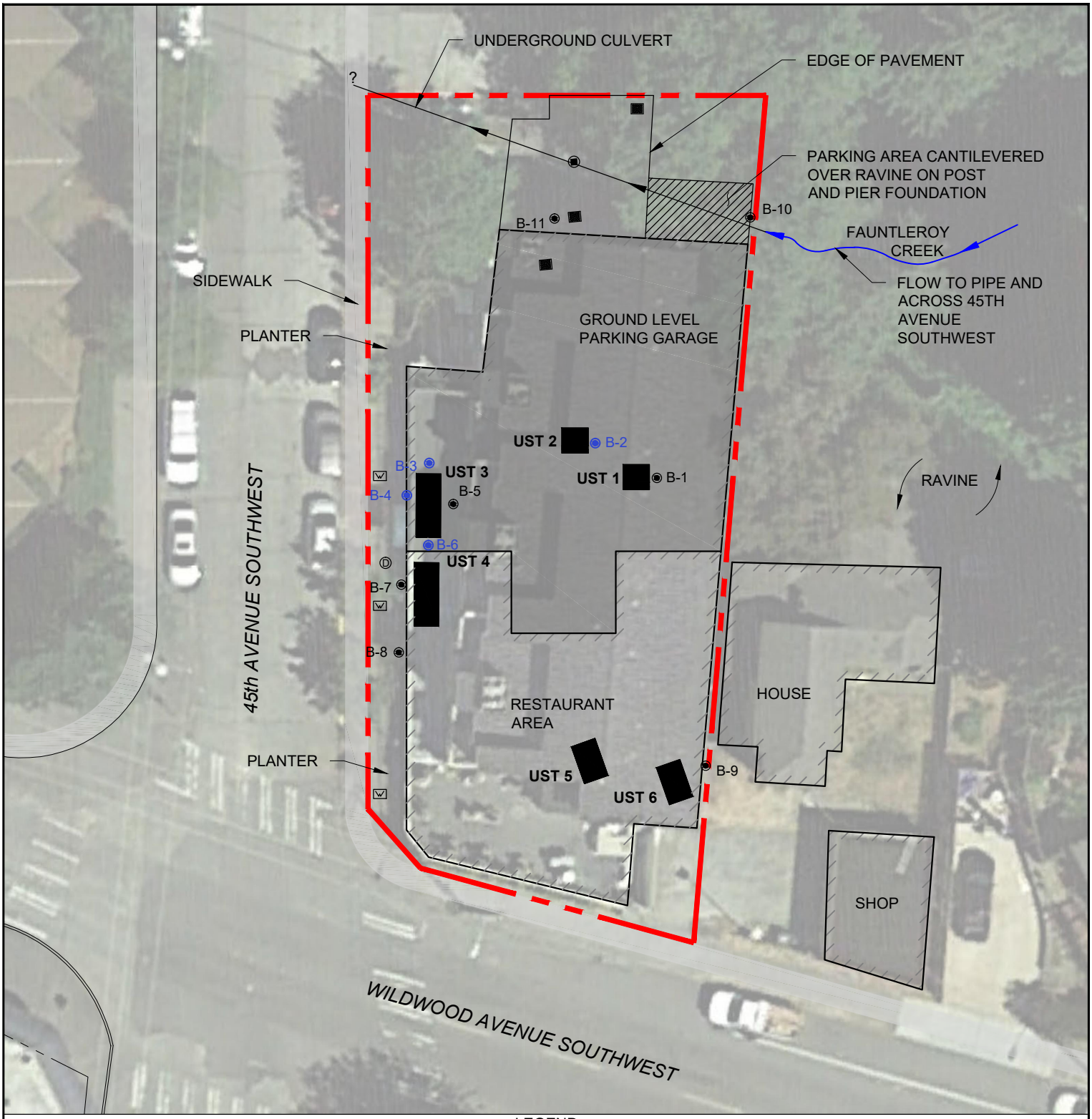
Attachments: Figure 1, *Property Plan*
Figure 2, *Petroleum Concentrations in Soil*
Figure 3, *Petroleum Concentrations in Groundwater*
Table 1, *Laboratory Analytical Results for Soil Samples – TPH and BTEX*
Table 2, *Laboratory Analytical Results for Soil Samples – EDB, EDC, MTBE, and Naphthalene*
Table 3, *Laboratory Analytical Results for Soil Samples – Lead*
Table 4, *Laboratory Analytical Results for Soil Samples – cPAHs*
Table 5, *Laboratory Analytical Results for Soil Samples – PCBs*
Table 6, *Laboratory Analytical Results for Soil Samples – HVOCs*
Table 7, *Laboratory Analytical Results for Reconnaissance Groundwater Samples – TPH and BTEX*
Table 8, *Laboratory Analytical Results for Reconnaissance Groundwater Samples – EDB, EDC, MTBE, and Naphthalene*
Table 9, *Laboratory Analytical Results for Reconnaissance Groundwater Samples – Lead*
Table 10, *Laboratory Analytical Results for Reconnaissance Groundwater Samples – cPAHs*
Table 11, *Laboratory Analytical Results for Reconnaissance Groundwater Samples – PCBs*
Table 12, *Laboratory Analytical Results for Reconnaissance Groundwater Samples – HVOCs*
Attachment A, Boring Logs
Attachment B, Laboratory Analytical Reports

TC/CTS:bjj

FIGURES

LIMITED SUBSURFACE INVESTIGATION
SUMMARY OF RESULTS
Endolyne Garden Apartments
9212 45th Avenue Southwest
Seattle, Washington

Farallon PN: 1295-001



LEGEND

B-3 BORING LOCATION WITH RECONNAISSANCE GROUNDWATER SAMPLE

B-1 BORING LOCATION

CATCH BASIN

MANHOLE

WATER METER

Ⓓ DRAIN

PROPERTY BOUNDARY

BUILDING FOOTPRINT

FORMER UNDERGROUND STORAGE TANK

PARKING GARAGE

ALL LOCATIONS ARE APPROXIMATE

0 30

Scale in feet

N

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FIGURE 1

PROPERTY PLAN
ENDOLYNE GARDEN APARTMENTS
9212 45TH AVENUE SOUTHWEST
SEATTLE, WASHINGTON

FARALLON PN: 1295-001

Drawn By: DJR Checked By: DEW Date: 4/22/2015 Disk Reference: 1295-001□00

?

B-10

B-11

FAUNTLEROY CREEK

SIDEWALK

GROUND LEVEL PARKING GARAGE

DATE	DEPTH (FEET □gs)	DRO	ORO	GRO	B	T	E	X
1/26/2015	11.5	—	—	**63**	□0.020	□0.070	0.12	0.13
1/26/2015	15.5	—	—	□7.0	□0.020	□0.070	□0.070	□0.07

DATE	DEPTH (FEET □gs)	DRO	ORO	GRO	B	T	E	X
1/26/2015	6.0	□33	□66	—	—	—	—	—
1/26/2015	9.5	□29	□58	—	—	—	—	—

DATE	DEPTH (FEET □gs)	DRO	ORO	GRO	B	T	E	X
1/26/2015	5.0	—	—	□5.6	□0.020	□0.056	□0.056	□0.056
1/26/2015	7.0	—	—	□5.4	□0.020	□0.054	□0.054	□0.054

UST 2

B-2

B-3

UST 3

UST 1

B-1

B-4

B-5

RAVINE

DATE	DEPTH (FEET □gs)	DRO	ORO	GRO	B	T	E	X
1/26/2015	3.0	□28	□56	—	—	—	—	—
1/26/2015	4.0	□30	□59	—	—	—	—	—

B-6

UST 4

DATE	DEPTH (FEET □gs)	DRO	ORO	GRO	B	T	E	X
1/26/2015	9.5	—	—	□7.0	□0.020	□0.070	□0.070	□0.07
1/26/2015	12.0	—	—	□6.1	□0.020	□0.061	□0.061	□0.061

B-7

B-8

DATE	DEPTH (FEET □gs)	DRO	ORO	GRO	B	T	E	X
1/27/2015	2.5	—	—	□5.0	□0.020	□0.050	□0.050	□0.050
1/27/2015	8.5	—	—	□6.2	□0.020	□0.062	□0.062	□0.062
1/27/2015	11.5	—	—	□5.7	□0.020	□0.057	□0.057	□0.057

DATE	DEPTH (FEET □gs)	DRO	ORO	GRO	B	T	E	X
1/27/2015	5.0	—	—	□6.4	□0.020	□0.064	□0.064	□0.064
1/27/2015	8.0	—	—	□6.8	□0.020	□0.068	□0.068	□0.068

DATE	DEPTH (FEET □gs)	DRO	ORO	GRO	B	T	E	X
1/27/2015	5.5	—	—	□6.3	□0.020	□0.063	□0.063	□0.063

UST 5

UST 6

B-9

DATE	DEPTH (FEET □gs)	DRO	ORO	GRO	B	T	E	X
1/27/2015	5.0	—	—	□6.6	□0.020	□0.066	□0.066	□0.066
1/27/2015	7.5	—	—	□6.6	□0.020	□0.066	□0.066	□0.066

45th AVENUE SOUTHWEST

SHOP

WILDWOOD AVENUE SOUTHWEST

LEGEND

- PROPERTY BOUNDARY
- BUILDING FOOTPRINT
- B-3 ◉ BORING LOCATION WITH RECONNAISSANCE GROUNDWATER SAMPLE
- B-1 ◉ BORING LOCATION
- ■ CATCH BASIN
- ◉ MANHOLE
- ⍁ WATER METER
- ■ FORMER UNDERGROUND STORAGE TANK
- Ⓓ DRAIN
- ▭ UNDERGROUND PARKING AREA

ALL SOIL ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM

DRO □ TOTAL PETROLEUM HYDROCARBONS (TPH) AS DIESEL-RANGE ORGANICS

ORO □ TPH AS OIL-RANGE ORGANICS

GRO □ TPH AS GASOLINE-RANGE ORGANICS

B □ BEN□ENE

T □ TOLUENE

E □ ETHYLBEN□ENE

X □ XYLENES

□gs □ BELOW GROUND SURFACE

0 20

Scale in feet

□ □ DENOTES RESULT IS LESS THAN LABORATORY PRACTICAL QUANTITATION OR ANALYTE NOT DETECTED AT OR ABOVE THE REPORTING LIMIT.

--- □ NOT ANALY□ED

BOLD □ INDICATES CONCENTRATION EXCEEDS MODEL TOXICS CONTROL ACT METHOD A CLEANUP LEVEL

ALL LOCATIONS ARE APPROXIMATE

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Oregon
Portland | Bend

California
Oakland | Sacramento | Irvine

FIGURE 2

PETROLEUM CONCENTRATIONS IN SOIL
ENDOLYNE GARDEN APARTMENTS
9212 45TH AVENUE SOUTHWEST
SEATTLE, WASHINGTON

FARALLON PN: 1295-001

Drawn By: DJR Checked By: DEW Date: 4/15/2015 Disk Reference: 1295001

?

B-10

B-11

FAUNTLEROY CREEK

SIDEWALK

GROUND LEVEL PARKING GARAGE

DATE	DRO	ORO	GRO	B	T	E	X
1/26/2015	□0.26	□0.41	200	1.5	20	5.2	28.7

DATE	DRO	ORO	GRO	B	T	E	X
1/26/2015	—	—	**15,000**	**18**	130	51	183

UST 2

B-2

B-3

UST 3

B-5

B-4

UST 1

B-1

RAVINE

DATE	DRO	ORO	GRO	B	T	E	X
1/26/2015	—	—	**1,900**	**5.9**	73	15	94

B-6

UST 4

DATE	DRO	ORO	GRO	B	T	E	X
1/26/2015	—	—	350	3.7	45	10	46

B-7

B-8

45th AVENUE SOUTHWEST

RESTAURANT AREA

HOUSE

UST 5

UST 6

B-9

SHOP

WILDWOOD AVENUE SOUTHWEST

LEGEND

- PROPERTY BOUNDARY
- BUILDING FOOTPRINT
- B-3 ◉ BORING LOCATION WITH RECONNAISSANCE GROUNDWATER SAMPLE
- B-1 ◉ BORING LOCATION
- CATCH BASIN
- MANHOLE
- WATER METER
- FORMER UNDERGROUND STORAGE TANK
- UNDERGROUND PARKING AREA
- Ⓓ DRAIN

ALL GROUNDWATER ANALYTICAL RESULTS IN MICROGRAMS PER LITER

DRO □ TOTAL PETROLEUM HYDROCARBONS (TPH) AS DIESEL-RANGE ORGANICS

ORO □ TPH AS OIL-RANGE ORGANICS

GRO □ TPH AS GASOLINE-RANGE ORGANICS

B □ BEN□ENE

T □ TOLUENE

E □ ETHYLBEN□ENE

X □ XYLENES

□ □ DENOTES RESULT IS LESS THAN LABORATORY PRACTICAL QUANTITATION OR ANALYTE NOT DETECTED AT OR ABOVE THE REPORTING LIMIT.

--- □ NOT ANALY□ED

BOLD □ INDICATES CONCENTRATION EXCEEDS MODEL TOXICS CONTROL ACT METHOD A CLEANUP LEVEL

ALL LOCATIONS ARE APPROXIMATE

0 20

Scale in feet

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Washington
Issaquah | Bellingham | Seattle

Oregon
Portland | Bend

California
Oakland | Sacramento | Irvine

FIGURE 3

PETROLEUM CONCENTRATIONS IN GROUNDWATER
ENDOLYNE GARDEN APARTMENTS
9212 45TH AVENUE SOUTHWEST
SEATTLE, WASHINGTON

FARALLON PN: 1295-001

Drawn By: DJR Checked By: DEW Date: 4/15/2015 Disk Reference: 1295001

TABLES

LIMITED SUBSURFACE INVESTIGATION
SUMMARY OF RESULTS
Endolyne Garden Apartments
9212 45th Avenue Southwest
Seattle, Washington

Farallon PN: 1295-001

Table 1
Laboratory Analytical Results for Soil Samples - TPH and BTEX
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	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]	Total Xylenes[4,7]
B1	B1-3.0	3.0	01/26/2015	< 28	< 56	—	—	—	—	—
	B1-4.0	4.0	01/26/2015	< 30	< 59	—	—	—	—	—
B2	B2-6.0	6.0	01/26/2015	< 33	< 66	—	—	—	—	—
	B2-9.5	9.5	01/26/2015	< 29	< 58	—	—	—	—	—
B3	B3-11.5	11.5	01/26/2015	—	—	**63**	< 0.020	< 0.070	0.12	0.13
	B3-15.5	15.5	01/26/2015	—	—	< 7.0	< 0.020	< 0.070	< 0.070	<0.07
B4	B4-9.5	9.5	01/26/2015	—	—	< 7.0	< 0.020	< 0.070	< 0.070	<0.07
	B4-12.0	12.0	01/26/2015	—	—	< 6.1	< 0.020	< 0.061	< 0.061	<0.061
B5	B5-5.0	5.0	01/26/2015	—	—	< 5.6	< 0.020	< 0.056	< 0.056	<0.056
	B5-7.0	7.0	01/26/2015	—	—	< 5.4	< 0.020	< 0.054	< 0.054	<0.054
B6	B6-2.5	2.5	01/27/2015	—	—	<5.0	< 0.020	< 0.050	< 0.050	<0.050
	B6-8.5	8.5	01/27/2015	—	—	< 6.2	< 0.020	< 0.062	< 0.062	<0.062
	B6-11.5	11.5	01/27/2015	—	—	< 5.7	< 0.020	< 0.057	< 0.057	<0.057
B7	B7-5.0	5.0	01/27/2015	—	—	< 6.4	< 0.020	< 0.064	< 0.064	<0.064
	B7-8.0	8.0	01/27/2015	—	—	< 6.8	< 0.020	< 0.068	< 0.068	<0.068
B8	B8-5.5	5.5	01/27/2015	—	—	< 6.3	< 0.020	< 0.063	< 0.063	<0.063
B9	B9-5.0	5.0	01/27/2015	—	—	< 6.6	< 0.020	< 0.066	< 0.066	<0.066
	B9-7.5	7.5	01/27/2015	—	—	< 6.6	< 0.020	< 0.066	< 0.066	<0.066
B10	B10-1.5	1.5	01/26/2015	< 30	< 60	—	—	—	—	—
B11	B11-11.0	11.0	01/26/2015	< 30	310	< 6.0	< 0.020	< 0.060	< 0.060	< 0.060
MTCA Method A Cleanup Levels for Soil[5]				**2,000**	**2,000**	**30 [6]**	**0.03**	**7**	**6**	**9**

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

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

-- denotes sample was 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.

[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

[6] The MTCA Method A cleanup level for GRO in soil is 100 milligrams per kilogram for gasoline mixtures without benzene, and the total of ethylbenzene, toluene, and xylenes are less than one percent of the gasoline mixture. For all other mixtures, the MTCA Method A cleanup level for GRO in soil is 30 milligrams per kilogram.

[7]Ortho-xylene and meta/para-xylene summed for total xylenes as follows: if both detected concentrations, they are summed; if one detected and one non-detected concentration, the detected concentration reported

BTEX = benzene, toluene, ethylbenzene, and xylenes

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

GRO = TPH as gasoline-range organics

ORO = TPH as oil-range organics

Table 2
Laboratory Analytical Results for Soil Samples - EDB, EDC, MTBE, and Naphthalene
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)			
				1,2-Dibromoethane (EDB)[2]	1,2-Dichloroethane (EDC)[2]	Methyl tertiary butyl ether (MTBE)[2]	Naphthalene[3]
B1	B1-4.0	4.0	01/26/2015	< 0.0011	< 0.0011	—	< 0.0079
B2	B2-6.0	6.0	01/26/2015	< 0.0013	< 0.0013	—	< 0.0087
B3	B3-11.5	11.5	01/26/2015	< 0.0031	< 0.0031	< 0.0031	—
B7	B7-8.0	8.0	01/27/2015	< 0.0013	< 0.0013	< 0.0013	—
B9	B9-7.5	7.5	01/27/2015	< 0.0010	< 0.0010	< 0.0010	—
MTCA Method A Cleanup Levels for Soil[4]				**0.005**	**11[5]**	**0.1**	**5**

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

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

— denotes sample not analyzed.

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 8260C.

[3]Analyzed by U.S. Environmental Protection Agency Method 8270D/SIM.

[4]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.

[5]Washington State Department of Ecology Cleanup Levels and Risk Calculations under the Washington State Model Toxics Control Act Cleanup Regulation, Version 3.1 Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only), https://fortress.wa.gov/ecy/clarc/CLARCDataTables.aspx

Table 3
Laboratory Analytical Results for Soil Samples - Lead
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2] Total Lead
B3	B3-11.5	11.5	01/26/2015	< 6.2
B7	B7-8.0	8	01/27/2015	6.4
B9	B9-7.5	7.5	01/27/2015	< 6.0
MTCA Method A Cleanup Levels for Soil[3]				**250**

NOTES:

Results in **bold** 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 6010C.

[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 4
Laboratory Analytical Results for Soil Samples - cPAHs
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]							
				Benzo(a) Anthracene	Benzo(a) Pyrene	Benzo(b) Fluoranthene	Benzo(j,k) Fluoranthene	Chrysene	Dibenzo(a,h) Anthracene	Indeno(1,2,3-cd) Pyrene	Total cPAHs[3, 4]
B1	B1-4.0	4.0	01/26/2015	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	0.006
B2	B2-6.0	6.0	01/26/2015	< 0.0087	< 0.0087	< 0.0087	< 0.0087	< 0.0087	< 0.0087	< 0.0087	0.007
Cleanups Level for Soil				**1.37**[5]	**0.1**[6]	**1.37**[5]	**13.7**[5]	**137**[5]	**0.137**[5]	**1.37**[5]	**0.1**[6]

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

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

cPAH = carcinogenic polycyclic aromatic hydrocarbon

[1]Depth in feet below ground surface.

[2]Analyzed by U.S.. Environmental Protection Agency 8270D/SIM (low-level)

[3]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.

[4]For concentrations reported at less than the laboratory reporting limit, half the reporting limit was used to calculate total carcinogenic polycyclic aromatic hydrocarbons.

[5]Washington State Department of Ecology Cleanup Levels and Risk Calculations under the Washington State Model Toxics Control Act Cleanup Regulation, Version 3.1 Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only), https://fortress.wa.gov/ecy/clarc/CLARCDataTables.aspx

[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.

Table 5
Laboratory Analytical Results for Soil Samples - PCBs
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Identification	Sample Location	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]							
				Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs[3]
B1	B1-4.0	4.0	01/27/15	< 0.059	< 0.060	< 0.061	< 0.062	< 0.063	< 0.064	< 0.059	0.25
B2	B2-6.0	6.0	01/24/15	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	0.23
MTCA Method A Cleanup Levels for Soil[4]				**14.3[5]**	**NA**	**NA**	**NA**	**NA**	**0.5[5]**	**0.5[5]**	**1**

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

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

NA = not available

PCBs = polychlorinated biphenyls

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 8082A.

[3]For concentrations reported at less than the laboratory reporting limit, half the reporting limit was used to calculate the total polychlorinated biphenyls.

[4]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 amended 2013.

[5]Washington State Department of Ecology Cleanup Levels and Risk Calculations under the Washington State Model Toxics Control Act Cleanup Regulation, Version 3.1 Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only), https://fortress.wa.gov/ecy/clarc/CLARCDataTables.aspx

Table 6
Laboratory Analytical Results for Soil Samples- HVOCs
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2,5]				
				Tetrachloroethene (PCE)	Trichloroethene (TCE)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
B1	B1-4.0	4.0	01/26/2015	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
B2	B2-6.0	6.0	01/26/2015	0.0030	< 0.0013	< 0.0013	< 0.0013	< 0.0013
Cleanup Levels for Soil				**0.05**[3]	**0.03**[3]	**160**[4]	**1,600**[4]	**240**[4]

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

HVOCs = halogenated volatile organic compounds

< 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 8260C.

[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 Department of Ecology Cleanup Levels and Risk Calculations under the Washington State Model Toxics Control Act Cleanup Regulation, Version 3.1 Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only), https://fortress.wa.gov/ecy/clarc/CLARCDataTables.aspx

[5]Other HVOC constituents tested. See laboratory reports for these results.

Table 7
Laboratory Analytical Results for Reconnaissance Groundwater Samples - TPH and BTEX
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)						
			DRO[1]	ORO[1]	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Total Xylenes[3,6]
B2	01/26/2015	B2-012615-GW	< 0.26	< 0.41	200	1.5	20	5.2	28.7
B3	01/26/2015	B3-012615-GW	—	—	**15,000**	**18**	130	51	183
B4	01/26/2015	B4-012615-GW	—	—	**1,900**	**5.9**	73	15	94
B6	01/27/2015	B6-012715-GW	—	—	350	3.7	45	10	46
MTCA Method A Cleanup Level for Groundwater[4]			**0.5**	**0.5**	**800** [5]	**5**	**1,000**	**700**	**1,000**

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

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

— denotes sample not analyzed.

BTEX = Benzene, toluene, ethylbenzene, and xylenes

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

GRO = TPH as gasoline-range organics

ORO = TPH as oil-range organics

[1]Analyzed by Northwest Method NWTPH-Dx.

[2]Analyzed by Northwest Method NWTPH-Gx.

[3]Analyzed by U.S. Environmental Protection Agency Method 8021B.

[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 revised 2013.

[5]For detectable benzene in groundwater. If benzene is not detected in groundwater, the MTCA Method A cleanup level for GRO in groundwater is 1,000 micrograms per liter.

[6]Ortho-xylene and meta/para-xylene summed for total xylenes as follows: if both detected concentrations, they are summed; if one detected and one non-detected concentration, the detected concentration reported and indicated as a detect.

Table 8
Laboratory Analytical Results for Groundwater Samples - EDB, EDC, MTBE, and Naphthalene
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)			
			1,2-Dibromoethane (EDB)[1]	1,2-Dichloroethane (EDC)[2]	Methyl tertiary butyl ether (MTBE)[2]	Naphthalene[3]
B2	01/26/2015	B2-012615-GW	< 0.010	< 0.20	< 0.20	1.4
B3	01/26/2015	B3-012615-GW	< 0.010	< 2.0	< 2.0	—
B6	01/27/2015	B6-012715-GW	< 0.010	< 0.20	< 0.20	—
MTCA Method A Cleanup Level for Groundwater[4]			**0.01**	**5**	**20**	**160**

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

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

— denotes sample not analyzed

[1]Analyzed by U.S. Environmental Protection Agency Method 8011.

[2]Analyzed by U.S. Environmental Protection Agency Method 8260C.

[3]Analyzed by U.S. Environmental Protection Agency Method 8270D/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 revised 2013.

Table 9
Laboratory Analytical Results for Reconnaissance Groundwater Samples - Lead
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]	
			Total Lead	Dissolved Lead
B2	01/26/2015	B2-012615-GW	4.0	< 1.0
B4	01/26/2015	B4-012615-GW	**1,300**	—
MTCA Method A Cleanup Level for Groundwater[2]			**15**	**NA**

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

NA = not available

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

— denotes sample not analyzed

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

[2]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.

Table 10
Laboratory Analytical Results for Reconnaissance Groundwater Samples - cPAHs
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]							
			Benzo(a) Anthracene	Benzo(a) Pyrene	Benzo(b) Fluoranthene	Benzo(j,k) Fluoranthene	Chrysene	Dibenzo(a,h) Anthracene	Indeno(1,2,3-cd) Pyrene	Total cPAHs[2,3]
B2	01/26/2015	B2-012615-GW	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096	0.007
Cleanup Levels for Groundwater			**0.12[5]**	**0.1[5]**	**0.12[4]**	**1.2[4]**	**12[4]**	**0.012[4]**	**0.12[4]**	**0.1[4]**

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

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

cPAHs = carcinogenic polycyclic aromatic hydrocarbons

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

[2]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.

[3]For concentrations reported at less than the laboratory reporting limit, half the reporting limit was used to calculate total carcinogenic polycyclic aromatic hydrocarbons.

[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 revised 2013.

[5]Washington State Model Toxics Control Act Cleanup Regulation Cleanup Levels and Risk Calculations, Standard Method B Values for Groundwater, https://fortress.wa.gov/ecy/clarc/Reporting/ChemicalQuery.aspx

Table 11
Laboratory Analytical Results for Reconnaissance Groundwater Samples - PCBs
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Date	Sample Identification	Analytical Results (micrograms per liter)[1]							
			Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs[2]
B2	01/26/2015	B2-012615-GW	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.35
Cleanup Level for Groundwater			**1.12**[3]	**NA**	**NA**	**NA**	**NA**	**0.32**[3]	**0.048**[4]	**0.1**[5]

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

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

NA = not analyzed

PCBs = polychlorinated biphenyls

[1]Analyzed by U.S. Environmental Protection Agency Method 8082A.

[2]For concentrations reported at less than the laboratory reporting limit, half the reporting limit was used to calculate the total polychlorinated biphenyls.

[3]Washington State Model Toxics Control Act Cleanup Regulation Cleanup Levels and Risk Calculations, Standard Method B (Non cancer) Values for Groundwater, https://fortress.wa.gov/ecy/clarc/Reporting/ChemicalQuery.aspx

[4]Washington State Model Toxics Control Act Cleanup Regulation Cleanup Levels and Risk Calculations, Standard Method B (cancer) Values for Groundwater, https://fortress.wa.gov/ecy/clarc/Reporting/ChemicalQuery.aspx

[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.

Table 12
Laboratory Analytical Results for Reconnaissance Groundwater Samples - HVOCs
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1,4]				
			Tetrachloroethene (PCE)	Trichloroethene (TCE)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
B2	01/26/2015	B2-012615-GW	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
MTCA Method A Cleanup Level for Groundwater			**5[2]**	**5[2]**	**16[3]**	**160[3]**	**0.2[2]**

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

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

HVOCs = halogenated volatile organic compounds

[1]Analyzed by U.S. Environmental Protection Agency Method 8260C.

[2]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.

[3]Washington State Model Toxics Control Act Cleanup Regulation Cleanup Levels and Risk Calculations, Standard Method B Values for Groundwater, https://fortress.wa.gov/ecy/clarc/Reporting/ChemicalQuery.aspx

[4]Other HVOC constituents tested. See laboratory reports for these results.

ATTACHMENT A
BORING LOGS

LIMITED SUBSURFACE INVESTIGATION
SUMMARY OF RESULTS
Endolyne Garden Apartments
9212 45th Avenue Southwest
Seattle, Washington

Farallon PN: 1295-001

FARALLON CONSULTING

Log of Boring: B1

Client: Endolyne Apartments LLC
Project: Endolyne Garden Apartments
Location: Seattle, WA
Farallon PN: 1295-001
Logged By: Ken Scott

Date/Time Started:	1/26/15 @ 1130	**Sampler Type:**	2' macrocore
Date/Time Completed:	1/26/15 @ 1205	**Drive Hammer (lbs.):**	Autohammer
Equipment:	Kubota 9600P	**Depth of Water ATD (ft bgs):**	4.1'
Drilling Company:	ESN Drilling	**Total Boring Depth (ft bgs):**	6.0'
Drilling Foreman:	Richard Bates	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Direct-push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.6': Concrete (100% concrete), white.	CO							Concrete
		0.6-1.5': Silty SAND (80% sand, 20% silt), fine to medium sand, tan, moist, no odor, no sheen.	SM		60	NA	4.4	B1-1.0		
		1.5-2.0:' No Recovery								
		2.0-3.6': Silty SAND (80% sand, 20% silt), fine to medium sand, tan, moist, no odor, no sheen.	SM		65	NA	2.4	B1-3.0	X	Bentonite
		3.6-4.0:' No Recovery								
		4.0-4.3:': Well-graded GRAVEL with sand (70% gravel, 25% sand, 5% silt), fine to coarse gravel, fine to medium sand, brown, wet, no odor, no sheen.	GW				1.1	B1-4.0	X	⧖ Water Level
		4.3-6.0:' No Recovery								
5					5	NA				

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite		**Y:** NA

FARALLON CONSULTING

Log of Boring: B2

Client: Endolyne Apartments LLC
Project: Endolyne Garden Apartments
Location: Seattle, WA

Farallon PN: 1295-001

Logged By: Ken Scott

Date/Time Started:	1/26/15 @ 1210	**Sampler Type:**	2' macrocore
Date/Time Completed:	1/26/15 @ 1320	**Drive Hammer (lbs.):**	Autohammer
Equipment:	Kubota 9600P	**Depth of Water ATD (ft bgs):**	6.5'
Drilling Company:	ESN Drilling	**Total Boring Depth (ft bgs):**	10.0'
Drilling Foreman:	Richard Bates	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Direct-push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-0.3': Concrete (100% concrete), white.	CO					
		0.3-2.0:' No Recovery		0	NA			
		2.0-2.8': Sandy SILT (60% silt, 40% sand), fine to medium sand, reddish-brown, moist, no odor, no sheen.	ML			0.0	B2-2.5	
		2.8-4.0:' No Recovery		85	NA			
		4.0-5.3': Silty SAND (80% sand, 20% silt), fine to medium sand, brown, moist, no odor, no sheen.	SM			0.2	B2-4.5	
5		5.3-6.0:' No Recovery		65	NA			
		6.0-6.5': SILT (100% silt), tan, moist, no odor, no sheen.	ML			0.4	B2-6.0	X
		6.5-7.5': Silty SAND (75% sand, 25% silt), fine sand, brown, wet, no odor, no sheen.	SM	75	NA			
		7.5-8.0:' No Recovery						
		8.0-8.5': SILT (100% silt), grey, wet, no odor, no sheen.	ML					
		8.5-10.0': Silty SAND (80% sand, 20% silt), fine to medium sand, brown, wet, no odor, no sheen.	SM	100	NA		B2-012615-GW	X
10						0.2	B2-9.5	X

Boring/Well Construction Details: Concrete; Water Level; Bentonite

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	0.010	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	5 to 10'	**Boring Abandonment:**	Bentonite		**Y:** NA

FARALLON CONSULTING

Log of Boring: B3

Client: Endolyne Apartments LLC
Project: Endolyne Garden Apartments
Location: Seattle, WA

Farallon PN: 1295-001

Logged By: Ken Scott

Date/Time Started:	1/26/15 @ 1455	**Sampler Type:**	4' macrocore
Date/Time Completed:	1/26/15 @ 1605	**Drive Hammer (lbs.):**	Autohammer
Equipment:	Kubota 9600P	**Depth of Water ATD (ft bgs):**	12.0'
Drilling Company:	ESN Drilling	**Total Boring Depth (ft bgs):**	16.0'
Drilling Foreman:	Richard Bates	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Direct-push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.6': Beauty Bark (100% bark), brown.	WD							Silty SAND
		0.6-3.3': Silty SAND (80% sand, 20% silt), fine to medium sand, tan, moist, no odor, no sheen.	SM		80	NA	0.2	B3-3.0		
		3.3-4.0:' No Recovery								
5		4.0-6.9': Silty SAND with gravel (65% sand, 20% silt, 15% gravel), fine to medium sand, fine to coarse gravel, brown, moist, no odor, no sheen.	SM			NA	0.2	B3-6.5		
		6.9-8.0:' No Recovery			80					
		8.0-8.6': Silty SAND with gravel (60% sand, 25% silt, 15% gravel), fine to medium sand, fine to coarse gravel, grey, moist, no odor, no sheen.	SM				0.6	B3-8.5		
			ML							
10		8.6-9.6': SILT (100% silt), grey, moist, no odor, no sheen.	SM		100	NA				Bentonite
		9.6-12.0': Silty SAND with gravel (65% sand, 20% silt, 15% gravel), fine to medium sand, fine to coarse gravel, grey, moist to wet @ 12.0-feet bgs, petroleum-like odor, no sheen.					23.6	B3-11.5	X	▽ Water Level
		12.0-12.6': Silty SAND with gravel (65% sand, 20% silt, 15% gravel), fine to medium sand, fine to coarse gravel, grey, wet, petroleum-like odor, no sheen.	SM							
			ML					B3-012615-GW	X	
		12.6-16.0': SILT (100% silt), grey with orange mottling @ 15-feet bgs, moist, no odor, no sheen.			100	NA				
15							0.4	B3-15.5	X	

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	10 to 15'	**Boring Abandonment:**	Bentonite		**Y:** NA

FARALLON CONSULTING

Log of Boring: B4

Client: Endolyne Apartments LLC
Project: Endolyne Garden Apartments
Location: Seattle, WA

Farallon PN: 1295-001

Logged By: Ken Scott

Date/Time Started:	1/26/15 @ 1610	**Sampler Type:**	4' macrocore
Date/Time Completed:	1/26/15 @ 1725	**Drive Hammer (lbs.):**	Autohammer
Equipment:	Kubota 9600P	**Depth of Water ATD (ft bgs):**	9.5'
Drilling Company:	ESN Drilling	**Total Boring Depth (ft bgs):**	12.0'
Drilling Foreman:	Richard Bates	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Direct-push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.6': Beauty Bark (100% bark), brown.	WD							Silty SAND
		0.6-0.8': Silty SAND (70% sand, 30% silt), fine to medium sand, tan, moist, no odor, no sheen.	SM							
		0.8-4.0:' No Recovery			<5	NA	0.6			
		4.0-7.2': Silty SAND (70% sand, 30% silt), fine to medium sand, brown, moist, no odor, no sheen.	SM							
5					80	NA	2.1	B4-6.5		Bentonite
		7.2-8.0:' No Recovery								
		8.0-9.0': SILT (100% silt), brown, moist, no odor, no sheen.	ML							
		9.0-10.5': Silty SAND with gravel (65% sand, 15% silt, 20% gravel), fine to medium sand, fine to coarse gravel, brown, moist to wet @ 9.5-feet bgs, no odor, no sheen.	SM				1.4	B4-9.5	X	▽ Water Level
10					100	NA				
		10.5-12.0': SILT (100% silt), grey, moist, no odor, no sheen.	ML					B4-012615-GW	X	
							0.2	B4-12.0	X	

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	7 to 12'	**Boring Abandonment:**	Bentonite		**Y:** NA

FARALLON CONSULTING

Log of Boring: B5

Client: Endolyne Apartments LLC
Project: Endolyne Garden Apartments
Location: Seattle, WA

Farallon PN: 1295-001

Logged By: Ken Scott

Date/Time Started:	1/26/15 @ 1330	**Sampler Type:**	2' macrocore
Date/Time Completed:	1/26/15 @ 1405	**Drive Hammer (lbs.):**	Autohammer
Equipment:	Kubota 9600P	**Depth of Water ATD (ft bgs):**	NE
Drilling Company:	ESN Drilling	**Total Boring Depth (ft bgs):**	8.0'
Drilling Foreman:	Richard Bates	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Direct-push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.6': Concrete (100% concrete), white.	CO							Concrete
		0.6-1.2': Silty SAND (75% sand, 25% silt), fine to medium sand, tan, moist, no odor, no sheen.	SM		45	NA	1.2	B5-1.0		
		1.2-2.0:' No Recovery								
		2.0-3.7': Silty SAND (75% sand, 25% silt), fine to medium sand, brown, moist, no odor, no sheen.	SM		75	NA	0.8	B5-3.0		
		3.7-4.0:' No Recovery								
5		4.0-5.7': Silty SAND (75% sand, 25% silt), fine to medium sand, brown, moist, no odor, no sheen.	SM		75	NA	0.8	B5-5.0	X	
		5.7-6.0:' No Recovery								Bentonite
		6.0-7.3': Sandy SILT (60% silt, 40% sand), fine sand, brown, moist, no odor, no sheen.	ML		65	NA	0.1	B5-7.0	X	
		7.3-8.0:' No Recovery								

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: Concrete
Annular Seal: NA
Boring Abandonment: Bentonite

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

FARALLON CONSULTING

Log of Boring: B6

Client: Endolyne Apartments LLC
Project: Endolyne Garden Apartments
Location: Seattle, WA

Farallon PN: 1295-001

Logged By: Ken Scott

Date/Time Started:	1/27/15 @ 0930	**Sampler Type:**	4' macrocore
Date/Time Completed:	1/27/15 @ 1010	**Drive Hammer (lbs.):**	Autohammer
Equipment:	Kubota 9600P	**Depth of Water ATD (ft bgs):**	9.0'
Drilling Company:	ESN Drilling	**Total Boring Depth (ft bgs):**	12.0'
Drilling Foreman:	Richard Bates	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Direct-push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.3': Beauty Bark (100% bark), brown.	WD							Silty SAND
		0.3-0.7': Silty SAND with gravel Fill (60% sand, 20% silt, 20% gravel), fine to medium sand, fine to coarse gravel, tan, moist, no odor, no sheen.	SM / PG							
		0.7-0.9': Pea-GRAVEL Fill (100% pea-gravel), coarse gravel, fine to coarse gravel, grey, moist, no odor, no sheen.	SM		75	NA				
		0.9-3.1': Silty SAND (70% sand, 30% silt), fine to medium sand, brown, moist, no odor, no sheen.					1.2	B6-2.5	X	
		3.1-4.0:' No Recovery								
		4.0-5.1': Sandy SILT (60% silt, 40% sand), fine to medium sand, brown, moist, no odor, no sheen.	ML							
5		5.1-6.1': Silty SAND (80% sand, 20% silt), fine to coarse sand, brown, moist, no odor, no sheen.	SM							
		6.1-6.8': SILT (95% silt, 5% sand), fine sand, brown, slight wet, no odor, no sheen.	ML		85	NA	1.0	B6-6.5		Bentonite
		6.8-8.0:' No Recovery								
		8.0-8.5': Silty SAND (80% sand, 20% silt), fine sand, brown, slight wet, no odor, no sheen.	SM				0.8	B6-8.5	X	
		8.5-9.8': Silty SAND with gravel (60% sand, 25% silt, 15% gravel), fine to medium sand, fine to coarse gravel, brown, wet, no odor, no sheen.	SM							Water Level
10		9.8-12.0': SILT (100% silt), grey, moist, no odor, no sheen.	ML		100	NA		B6-012715-GW	X	
								B6-11.5	X	
							0.3			

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	7 to 12'	**Boring Abandonment:**	Bentonite		**Y:** NA

FARALLON CONSULTING

Log of Boring: B7

Client: Endolyne Apartments LLC
Project: Endolyne Garden Apartments
Location: Seattle, WA

Farallon PN: 1295-001

Logged By: Ken Scott

Date/Time Started:	1/27/15 @ 1015	**Sampler Type:**	2' macrocore
Date/Time Completed:	1/27/15 @ 1055	**Drive Hammer (lbs.):**	Rotohammer
Equipment:	Push probe	**Depth of Water ATD (ft bgs):**	NE
Drilling Company:	ESN Drilling	**Total Boring Depth (ft bgs):**	10.0'
Drilling Foreman:	Richard Bates	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Direct-push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-0.3': Beauty Bark (100% bark), brown.	WD					
		0.3-0.9': Silty SAND with gravel Fill (60% sand, 20% silt, 20% gravel), fine to medium sand, fine to coarse gravel, tan, moist, no odor, no sheen. Subround grey gravel.	SM					
		0.9-4.0': Silty SAND (70% sand, 30% silt), fine to medium sand, brown, moist, no odor, no sheen.	SM	100	NA	0.3	B7-2.0	
5		4.0-5.4': Silty SAND (70% sand, 30% silt), fine to medium sand, brown, moist, no odor, no sheen.	SM	65	NA	0.2	B7-5.0	X
		5.4-6.0:' No Recovery						
		6.0-6.3': Silty SAND (70% sand, 30% silt), fine to medium sand, brown, moist, no odor, no sheen.	SM			0.5	B7-6.0	
		6.3-8.0:' No Recovery		15	NA			
		8.0-8.4': Sandy SILT (60% silt, 40% sand), fine sand, grey, moist, no odor, no sheen.	ML			0.3	B7-8.0	X
		8.4-10.0:' No Recovery		20	NA			
10								

Boring/Well Construction Details: Silty SAND; Bentonite

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite		**Y:** NA

FARALLON CONSULTING

Log of Boring: B8

Client: Endolyne Apartments LLC
Project: Endolyne Garden Apartments
Location: Seattle, WA

Farallon PN: 1295-001

Logged By: Ken Scott

Date/Time Started:	1/27/15 @ 1100	**Sampler Type:**	Hand auger
Date/Time Completed:	1/27/15 @ 1120	**Drive Hammer (lbs.):**	NA
Equipment:	Hand auger	**Depth of Water ATD (ft bgs):**	NE
Drilling Company:	ESN Drilling	**Total Boring Depth (ft bgs):**	6.0'
Drilling Foreman:	Richard Bates	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Hand auger		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.3': Beauty Bark (100% bark), brown.	WD							
		0.3-0.9': Silty SAND with gravel Fill (60% sand, 20% silt, 20% gravel), fine to medium sand, fine to coarse gravel, brown, moist, no odor, no sheen. 2-inch subround grey gravel between 5 to 6-feet bgs. Observe PVC pipe at 6-feet bgs, stop hand augering.	SM							Silty SAND
							0.4	B8-2.0		
					100	NA				Bentonite
5							0.3	B8-5.0		
							0.2	B8-5.5	X	

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite		**Y:** NA

FARALLON CONSULTING

Log of Boring: B9

Client: Endolyne Apartments LLC
Project: Endolyne Garden Apartments
Location: Seattle, WA

Farallon PN: 1295-001

Logged By: Ken Scott

Date/Time Started:	1/27/15 @ 1140	**Sampler Type:**	2' macrocore
Date/Time Completed:	1/27/15 @ 1215	**Drive Hammer (lbs.):**	Rotohammer
Equipment:	Push probe	**Depth of Water ATD (ft bgs):**	NE
Drilling Company:	ESN Drilling	**Total Boring Depth (ft bgs):**	8.0'
Drilling Foreman:	Richard Bates	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Direct-push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-1.8': Silty SAND with gravel Fill (60% sand, 20% silt, 20% gravel), fine to medium sand, fine to coarse gravel, tan, moist, no odor, no sheen. Subround grey gravel.	SM		90	NA	0.2	B9-1.5		Silty SAND
		1.8-2.0:' No Recovery					0.0	B9-2.0		
		2.0-2.7': Silty SAND (70% sand, 30% silt), fine to medium sand, brown, moist, no odor, no sheen.	SM							
		2.7-4.0:' No Recovery			35	NA				
		4.0-5.1': Silty SAND (70% sand, 30% silt), fine to medium sand, brown, moist, no odor, no sheen.	SM							
5		5.1-6.0': Poorly graded SAND (95% sand, 5% silt), fine to medium sand, light-brown, moist, no odor, no sheen.	SP		100	NA	0.0	B9-5.0	X	
		6.0-7.8': Silty SAND (80% sand, 15% silt, 5% gravel), fine to medium sand, fine gravel, light-brown, moist, no odor, no sheen.	SM		100	NA	0.0	B9-7.5	X	Bentonite
		7.8-8.0': Sandy SILT (60% silt, 40% sand), fine sand, brown with orange mottling, moist, no odor, no sheen.	ML							

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite		**Y:** NA

FARALLON CONSULTING

Log of Boring: B10

Client: Endolyne Apartments LLC
Project: Endolyne Garden Apartments
Location: Seattle, WA

Farallon PN: 1295-001

Logged By: Ken Scott

Date/Time Started:	1/26/15 @ 1020	**Sampler Type:**	Hand auger
Date/Time Completed:	1/26/15 @ 1035	**Drive Hammer (lbs.):**	NA
Equipment:	Hand Auger	**Depth of Water ATD (ft bgs):**	NE
Drilling Company:	ESN Drilling	**Total Boring Depth (ft bgs):**	1.5"
Drilling Foreman:	Richard Bates	**Total Well Depth (ft bgs):**	NA
Drilling Method:	NA		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.8': Silty SAND (80% sand, 20% silt), fine sand, brown, moist, no odor, no sheen.	SM		100	NA	4.4	B10-0.5		Silty SAND
		0.8-1.5': Sandy SILT (60% silt, 40% sand), fine sand, brown, moist, no odor, no sheen.	ML		100	NA	2.8	B10-1.5	X	Bentonite
5										

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Soil	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite		**Y:** NA

FARALLON CONSULTING

Log of Boring: B11

Client: Endolyne Apartments LLC
Project: Endolyne Garden Apartments
Location: Seattle, WA

Farallon PN: 1295-001

Logged By: Ken Scott

Date/Time Started:	1/26/15 @ 1415	**Sampler Type:**	4' macrocore
Date/Time Completed:	1/26/15 @ 1445	**Drive Hammer (lbs.):**	Autohammer
Equipment:	Kubota 9600P	**Depth of Water ATD (ft bgs):**	NE
Drilling Company:	ESN Drilling	**Total Boring Depth (ft bgs):**	12.0'
Drilling Foreman:	Richard Bates	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Direct-push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.6': Concrete (100% concrete), white.	CO							Concrete
		0.6-1.1': Sandy SILT (60% silt, 40% sand), fine sand, tan, moist, no odor, no sheen.	ML							
		1.1-3.2': Silty SAND with gravel fill (60% sand, 25% silt, 15% gravel), fine to medium sand, fine to coarse gravel, brown, moist, no odor, no sheen. Subround grey gravel.	SM		75	NA	1.0	B11-3.0		
		3.2-4.0:' No Recovery								
5		4.0-4.6': Silty SAND with gravel fill (60% sand, 20% silt, 20% gravel), fine to medium sand, fine to coarse gravel, brown, moist, no odor, no sheen. Subangular black gravel.	SM				0.2			
		4.6-8.0:' No Recovery			15	NA				
		8.0-8.8': Sandy SILT (60% silt, 40% sand), fine sand, brown, moist, no odor, no sheen.	ML							
		8.8-9.1:': Well-graded GRAVEL (90% gravel, 5% sand, 5% silt), fine to coarse gravel, fine to medium sand, black, moist, no odor, no sheen.	GW							
10		9.1-11.1': Sandy SILT with gravel (50% silt, 35% sand, 15% gravel), fine to coarse sand, fine to coarse gravel, brown, moist, no odor, no sheen. Subround grey gravel.	ML		80	NA				Bentonite
		11.1-12.0:' No Recovery					0.1	B11-11.0	X	

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite		**Y:** NA

ATTACHMENT B
LABORATORY ANALYTICAL REPORTS

LIMITED SUBSURFACE INVESTIGATION
SUMMARY OF RESULTS
Endolyne Garden Apartments
9212 45th Avenue Southwest
Seattle, Washington

Farallon PN: 1295-001

OnSite Environmental Inc.

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

February 5, 2015

Tad Cline
Farallon Consulting, LLC
Queen Anne Square East Bldg.
200 West Mercer Street, Suite 302
Seattle, WA 98119

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 1501-183

Dear Tad:

Enclosed are the analytical results and associated quality control data for samples submitted on January 27, 2015.

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

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

Case Narrative

Samples were collected on January 26, 2015 and received by the laboratory on January 27, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

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

NWTPH Gx/BTEX (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Halogenated Volatiles EPA 8260C (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Low-level VOA vials containing stir bars necessary to obtain the MTCA Method A cleanup level for 1,2-Dibromoethane were not provided for sample B3-11.5. The sample was therefore extracted from a 4-ounce jar and analyzed.

PAHs EPA 8270D/SIM (soil) Analysis

A spike blank had one surrogate recovery out of control limits. This is within allowance of our standard operating procedure as long as the recovery is above 10%.

PAHs EPA 8270D/SIM (water) Analysis

Sample B2-012615-GW had one surrogate recovery out of control limits. This is within allowance of our standard operating procedure as long as the recovery is above 10%.

PCBs EPA 8082A (water) Analysis

Due to limited sample volume, B2-012615-GW was extracted from a 500 mL amber bottle preserved with HCl.

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

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Laboratory Reference: 1501-183
Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B5-5.0**					
Laboratory ID:	01-183-13					
Benzene	**ND**	0.020	EPA 8021B	1-28-15	1-28-15	
Toluene	**ND**	0.056	EPA 8021B	1-28-15	1-28-15	
Ethyl Benzene	**ND**	0.056	EPA 8021B	1-28-15	1-28-15	
m,p-Xylene	**ND**	0.056	EPA 8021B	1-28-15	1-28-15	
o-Xylene	**ND**	0.056	EPA 8021B	1-28-15	1-28-15	
Gasoline	**ND**	5.6	NWTPH-Gx	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*68-123*				
Client ID:	**B5-7.0**					
Laboratory ID:	01-183-14					
Benzene	**ND**	0.020	EPA 8021B	1-28-15	1-28-15	
Toluene	**ND**	0.054	EPA 8021B	1-28-15	1-28-15	
Ethyl Benzene	**ND**	0.054	EPA 8021B	1-28-15	1-28-15	
m,p-Xylene	**ND**	0.054	EPA 8021B	1-28-15	1-28-15	
o-Xylene	**ND**	0.054	EPA 8021B	1-28-15	1-28-15	
Gasoline	**ND**	5.4	NWTPH-Gx	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*92*	*68-123*				
Client ID:	**B11-11.0**					
Laboratory ID:	01-183-16					
Benzene	**ND**	0.020	EPA 8021B	1-28-15	1-28-15	
Toluene	**ND**	0.060	EPA 8021B	1-28-15	1-28-15	
Ethyl Benzene	**ND**	0.060	EPA 8021B	1-28-15	1-28-15	
m,p-Xylene	**ND**	0.060	EPA 8021B	1-28-15	1-28-15	
o-Xylene	**ND**	0.060	EPA 8021B	1-28-15	1-28-15	
Gasoline	**ND**	6.0	NWTPH-Gx	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*68-123*				

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Laboratory Reference: 1501-183
Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B3-11.5**					
Laboratory ID:	01-183-20					
Benzene	**ND**	0.020	EPA 8021B	1-28-15	2-3-15	
Toluene	**ND**	0.070	EPA 8021B	1-28-15	2-3-15	
Ethyl Benzene	**0.12**	0.070	EPA 8021B	1-28-15	2-3-15	
m,p-Xylene	**0.13**	0.070	EPA 8021B	1-28-15	2-3-15	
o-Xylene	**ND**	0.070	EPA 8021B	1-28-15	2-3-15	
Gasoline	**63**	7.0	NWTPH-Gx	1-28-15	2-3-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*68-123*				
Client ID:	**B3-15.5**					
Laboratory ID:	01-183-21					
Benzene	**ND**	0.020	EPA 8021B	1-28-15	1-28-15	
Toluene	**ND**	0.070	EPA 8021B	1-28-15	1-28-15	
Ethyl Benzene	**ND**	0.070	EPA 8021B	1-28-15	1-28-15	
m,p-Xylene	**ND**	0.070	EPA 8021B	1-28-15	1-28-15	
o-Xylene	**ND**	0.070	EPA 8021B	1-28-15	1-28-15	
Gasoline	**ND**	7.0	NWTPH-Gx	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*90*	*68-123*				
Client ID:	**B4-9.5**					
Laboratory ID:	01-183-24					
Benzene	**ND**	0.020	EPA 8021B	1-28-15	1-28-15	
Toluene	**ND**	0.070	EPA 8021B	1-28-15	1-28-15	
Ethyl Benzene	**ND**	0.070	EPA 8021B	1-28-15	1-28-15	
m,p-Xylene	**ND**	0.070	EPA 8021B	1-28-15	1-28-15	
o-Xylene	**ND**	0.070	EPA 8021B	1-28-15	1-28-15	
Gasoline	**ND**	7.0	NWTPH-Gx	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*68-123*				

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Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B4-12.0**					
Laboratory ID:	01-183-25					
Benzene	**ND**	0.020	EPA 8021B	1-28-15	1-28-15	
Toluene	**ND**	0.061	EPA 8021B	1-28-15	1-28-15	
Ethyl Benzene	**ND**	0.061	EPA 8021B	1-28-15	1-28-15	
m,p-Xylene	**ND**	0.061	EPA 8021B	1-28-15	1-28-15	
o-Xylene	**ND**	0.061	EPA 8021B	1-28-15	1-28-15	
Gasoline	**ND**	6.1	NWTPH-Gx	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*97*	*68-123*				

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Laboratory Reference: 1501-183
Project: 1295-001

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0128S1					
Benzene	**ND**	0.020	EPA 8021B	1-28-15	1-28-15	
Toluene	**ND**	0.050	EPA 8021B	1-28-15	1-28-15	
Ethyl Benzene	**ND**	0.050	EPA 8021B	1-28-15	1-28-15	
m,p-Xylene	**ND**	0.050	EPA 8021B	1-28-15	1-28-15	
o-Xylene	**ND**	0.050	EPA 8021B	1-28-15	1-28-15	
Gasoline	**ND**	5.0	NWTPH-Gx	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*68-123*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	01-183-13										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*93*	*95*	*68-123*			
SPIKE BLANKS											
Laboratory ID:	SB0128S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.890**	**0.916**	1.00	1.00		**89**	**92**	75-117	3	13	
Toluene	**0.883**	**0.908**	1.00	1.00		**88**	**91**	78-118	3	12	
Ethyl Benzene	**0.874**	**0.902**	1.00	1.00		**87**	**90**	78-118	3	12	
m,p-Xylene	**0.890**	**0.917**	1.00	1.00		**89**	**92**	78-121	3	13	
o-Xylene	**0.881**	**0.906**	1.00	1.00		**88**	**91**	77-119	3	13	
Surrogate:											
Fluorobenzene						*90*	*93*	*68-123*			

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Laboratory Reference: 1501-183
Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B2-012615-GW**					
Laboratory ID:	01-183-10					
Benzene	**1.5**	1.0	EPA 8021B	1-28-15	1-28-15	
Toluene	**20**	1.0	EPA 8021B	1-28-15	1-28-15	
Ethyl Benzene	**5.2**	1.0	EPA 8021B	1-28-15	1-28-15	
m,p-Xylene	**21**	1.0	EPA 8021B	1-28-15	1-28-15	
o-Xylene	**7.7**	1.0	EPA 8021B	1-28-15	1-28-15	
Gasoline	**200**	100	NWTPH-Gx	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*91*	*71-113*				
Client ID:	**B3-012615-GW**					
Laboratory ID:	01-183-22					
Benzene	**18**	10	EPA 8021B	1-28-15	1-28-15	
Toluene	**130**	10	EPA 8021B	1-28-15	1-28-15	
Ethyl Benzene	**51**	10	EPA 8021B	1-28-15	1-28-15	
m,p-Xylene	**140**	10	EPA 8021B	1-28-15	1-28-15	
o-Xylene	**43**	10	EPA 8021B	1-28-15	1-28-15	
Gasoline	**15000**	1000	NWTPH-Gx	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*71-113*				
Client ID:	**B4-012615-GW**					
Laboratory ID:	01-183-26					
Benzene	**5.9**	1.0	EPA 8021B	1-28-15	1-28-15	
Toluene	**73**	1.0	EPA 8021B	1-28-15	1-28-15	
Ethyl Benzene	**15**	1.0	EPA 8021B	1-28-15	1-28-15	
m,p-Xylene	**69**	1.0	EPA 8021B	1-28-15	1-28-15	
o-Xylene	**25**	1.0	EPA 8021B	1-28-15	1-28-15	
Gasoline	**1900**	100	NWTPH-Gx	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*92*	*71-113*				

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Project: 1295-001

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0128W1					
Benzene	**ND**	1.0	EPA 8021B	1-28-15	1-28-15	
Toluene	**ND**	1.0	EPA 8021B	1-28-15	1-28-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	1-28-15	1-28-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	1-28-15	1-28-15	
o-Xylene	**ND**	1.0	EPA 8021B	1-28-15	1-28-15	
Gasoline	**ND**	100	NWTPH-Gx	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*87*	*71-113*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	01-183-10										
	ORIG	DUP									
Benzene	**1.52**	**1.50**	NA	NA		NA		NA	1	30	
Toluene	**20.3**	**20.2**	NA	NA		NA		NA	0	30	
Ethyl Benzene	**5.18**	**5.00**	NA	NA		NA		NA	4	30	
m,p-Xylene	**20.9**	**20.4**	NA	NA		NA		NA	2	30	
o-Xylene	**7.75**	**7.75**	NA	NA		NA		NA	0	30	
Gasoline	**203**	**202**	NA	NA		NA		NA	0	30	
Surrogate:											
Fluorobenzene						*91*	*91*	*71-113*			
MATRIX SPIKES											
Laboratory ID:	01-183-10										
	MS	MSD	MS	MSD		MS	MSD				
Benzene	**50.4**	**51.5**	50.0	50.0	1.52	**98**	**100**	82-120	2	14	
Toluene	**70.1**	**71.1**	50.0	50.0	20.3	**100**	**102**	83-120	1	14	
Ethyl Benzene	**53.1**	**54.3**	50.0	50.0	5.18	**96**	**98**	83-120	2	15	
m,p-Xylene	**70.7**	**71.7**	50.0	50.0	20.9	**100**	**102**	81-123	1	15	
o-Xylene	**55.2**	**56.7**	50.0	50.0	7.75	**95**	**98**	80-120	3	16	
Surrogate:											
Fluorobenzene						*97*	*97*	*71-113*			

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Project: 1295-001

NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B10-1.5**					
Laboratory ID:	01-183-02					
Diesel Range Organics	**ND**	30	NWTPH-Dx	1-30-15	1-30-15	
Lube Oil Range Organics	**ND**	60	NWTPH-Dx	1-30-15	1-30-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*66*	*50-150*				
Client ID:	**B1-3.0**					
Laboratory ID:	01-183-04					
Diesel Range Organics	**ND**	28	NWTPH-Dx	1-30-15	1-30-15	
Lube Oil Range Organics	**ND**	56	NWTPH-Dx	1-30-15	1-30-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*88*	*50-150*				
Client ID:	**B1-4.0**					
Laboratory ID:	01-183-05					
Diesel Range Organics	**ND**	30	NWTPH-Dx	1-30-15	1-30-15	
Lube Oil Range Organics	**ND**	59	NWTPH-Dx	1-30-15	1-30-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*80*	*50-150*				
Client ID:	**B2-6.0**					
Laboratory ID:	01-183-08					
Diesel Range Organics	**ND**	33	NWTPH-Dx	1-30-15	1-30-15	
Lube Oil Range Organics	**ND**	66	NWTPH-Dx	1-30-15	1-30-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*82*	*50-150*				
Client ID:	**B2-9.5**					
Laboratory ID:	01-183-09					
Diesel Range Organics	**ND**	29	NWTPH-Dx	1-30-15	1-30-15	
Lube Oil Range Organics	**ND**	58	NWTPH-Dx	1-30-15	1-30-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*74*	*50-150*				
Client ID:	**B11-11.0**					
Laboratory ID:	01-183-16					
Diesel Range Organics	**ND**	30	NWTPH-Dx	1-30-15	2-2-15	
Lube Oil	**310**	60	NWTPH-Dx	1-30-15	2-2-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*84*	*50-150*				

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Project: 1295-001

NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0130S1					
Diesel Range Organics	**ND**	25	NWTPH-Dx	1-30-15	1-30-15	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	1-30-15	1-30-15	
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:	01-183-16										
	ORIG	DUP									
Diesel Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	
Lube Oil	**259**	**155**	NA	NA		NA		NA	50	NA	
Surrogate:											
o-Terphenyl						*84*	*63*	*50-150*			

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Project: 1295-001

NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B2-012615-GW**					
Laboratory ID:	01-183-10					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	2-2-15	2-2-15	
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	2-2-15	2-2-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*82*	*50-150*				

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NWTPH-Dx
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0202W1					
Diesel Range Organics	**ND**	0.25	NWTPH-Dx	2-2-15	2-2-15	
Lube Oil Range Organics	**ND**	0.40	NWTPH-Dx	2-2-15	2-2-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*79*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	01-186-01										
	ORIG	DUP									
Diesel Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	X1
Lube Oil Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	X1
Surrogate:											
o-Terphenyl						*75*	*77*	*50-150*			

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HALOGENATED VOLATILES EPA 8260C
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B1-4.0**					
Laboratory ID:	01-183-05					
Dichlorodifluoromethane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Chloromethane	ND	0.0057	EPA 8260C	1-28-15	1-28-15	
Vinyl Chloride	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Bromomethane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Chloroethane	ND	0.0057	EPA 8260C	1-28-15	1-28-15	
Trichlorofluoromethane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
1,1-Dichloroethene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Iodomethane	ND	0.0057	EPA 8260C	1-28-15	1-28-15	
Methylene Chloride	ND	0.0057	EPA 8260C	1-28-15	1-28-15	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
1,1-Dichloroethane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
2,2-Dichloropropane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Bromochloromethane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Chloroform	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Carbon Tetrachloride	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
1,1-Dichloropropene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
1,2-Dichloroethane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Trichloroethene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
1,2-Dichloropropane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Dibromomethane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Bromodichloromethane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
2-Chloroethyl Vinyl Ether	ND	0.0057	EPA 8260C	1-28-15	1-28-15	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

HALOGENATED VOLATILES EPA 8260C
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B1-4.0**					
Laboratory ID:	01-183-05					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Tetrachloroethene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
1,3-Dichloropropane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Dibromochloromethane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
1,2-Dibromoethane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Chlorobenzene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Bromoform	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Bromobenzene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
2-Chlorotoluene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
4-Chlorotoluene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
1,2-Dibromo-3-chloropropane	ND	0.0057	EPA 8260C	1-28-15	1-28-15	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Hexachlorobutadiene	ND	0.0057	EPA 8260C	1-28-15	1-28-15	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*114*	*76-131*				
Toluene-d8	*110*	*82-129*				
4-Bromofluorobenzene	*104*	*79-126*				

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
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Project: 1295-001

HALOGENATED VOLATILES EPA 8260C
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B2-6.0**					
Laboratory ID:	01-183-08					
Dichlorodifluoromethane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Chloromethane	ND	0.0063	EPA 8260C	1-28-15	1-28-15	
Vinyl Chloride	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Bromomethane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Chloroethane	ND	0.0063	EPA 8260C	1-28-15	1-28-15	
Trichlorofluoromethane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
1,1-Dichloroethene	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Iodomethane	ND	0.0063	EPA 8260C	1-28-15	1-28-15	
Methylene Chloride	ND	0.0063	EPA 8260C	1-28-15	1-28-15	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
1,1-Dichloroethane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
2,2-Dichloropropane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Bromochloromethane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Chloroform	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Carbon Tetrachloride	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
1,1-Dichloropropene	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
1,2-Dichloroethane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Trichloroethene	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
1,2-Dichloropropane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Dibromomethane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Bromodichloromethane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
2-Chloroethyl Vinyl Ether	ND	0.0063	EPA 8260C	1-28-15	1-28-15	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260C	1-28-15	1-28-15	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B2-6.0**					
Laboratory ID:	01-183-08					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Tetrachloroethene	0.0030	0.0013	EPA 8260C	1-28-15	1-28-15	
1,3-Dichloropropane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Dibromochloromethane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
1,2-Dibromoethane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Chlorobenzene	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Bromoform	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Bromobenzene	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
2-Chlorotoluene	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
4-Chlorotoluene	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
1,2-Dibromo-3-chloropropane	ND	0.0063	EPA 8260C	1-28-15	1-28-15	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Hexachlorobutadiene	ND	0.0063	EPA 8260C	1-28-15	1-28-15	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*115*	*76-131*				
Toluene-d8	*112*	*82-129*				
4-Bromofluorobenzene	*97*	*79-126*				

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B3-11.5**					
Laboratory ID:	01-183-20					
Methyl t-Butyl Ether	ND	0.0031	EPA 8260C	1-29-15	1-29-15	
1,2-Dichloroethane	ND	0.0031	EPA 8260C	1-29-15	1-29-15	
1,2-Dibromoethane	ND	0.0031	EPA 8260C	1-29-15	1-29-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*115*	*76-131*				
Toluene-d8	*123*	*82-129*				
4-Bromofluorobenzene	*114*	*79-126*				

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Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

HALOGENATED VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0128S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Chloromethane	ND	0.0050	EPA 8260C	1-28-15	1-28-15	
Vinyl Chloride	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Bromomethane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Chloroethane	ND	0.0050	EPA 8260C	1-28-15	1-28-15	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Iodomethane	ND	0.0050	EPA 8260C	1-28-15	1-28-15	
Methylene Chloride	ND	0.0050	EPA 8260C	1-28-15	1-28-15	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Bromochloromethane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Chloroform	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Trichloroethene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Dibromomethane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Bromodichloromethane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	1-28-15	1-28-15	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
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HALOGENATED VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0128S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Tetrachloroethene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Dibromochloromethane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Chlorobenzene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Bromoform	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Bromobenzene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
2-Chlorotoluene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
4-Chlorotoluene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	1-28-15	1-28-15	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	1-28-15	1-28-15	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*119*	*76-131*				
Toluene-d8	*112*	*82-129*				
4-Bromofluorobenzene	*104*	*79-126*				

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Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0129S1					
Methyl t-Butyl Ether	ND	0.0010	EPA 8260C	1-29-15	1-29-15	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	1-29-15	1-29-15	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	1-29-15	1-29-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*121*	*76-131*				
Toluene-d8	*115*	*82-129*				
4-Bromofluorobenzene	*107*	*79-126*				

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Laboratory Reference: 1501-183
Project: 1295-001

HALOGENATED VOLATILES EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0128S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0517**	**0.0531**	0.0500	0.0500	103	106	66-129	3	15	
Benzene	**0.0537**	**0.0548**	0.0500	0.0500	107	110	71-123	2	15	
Trichloroethene	**0.0519**	**0.0510**	0.0500	0.0500	104	102	75-115	2	15	
Toluene	**0.0521**	**0.0517**	0.0500	0.0500	104	103	75-120	1	15	
Chlorobenzene	**0.0461**	**0.0450**	0.0500	0.0500	92	90	75-121	2	15	
Surrogate:										
Dibromofluoromethane					*108*	*113*	*76-131*			
Toluene-d8					*104*	*106*	*82-129*			
4-Bromofluorobenzene					*96*	*98*	*79-126*			

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

VOLATILES EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0129S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0498**	**0.0505**	0.0500	0.0500	100	101	66-129	1	15	
Benzene	**0.0526**	**0.0548**	0.0500	0.0500	105	110	71-123	4	15	
Trichloroethene	**0.0499**	**0.0500**	0.0500	0.0500	100	100	75-115	0	15	
Toluene	**0.0515**	**0.0511**	0.0500	0.0500	103	102	75-120	1	15	
Chlorobenzene	**0.0443**	**0.0453**	0.0500	0.0500	89	91	75-121	2	15	
Surrogate:										
Dibromofluoromethane					*108*	*114*	*76-131*			
Toluene-d8					*106*	*107*	*82-129*			
4-Bromofluorobenzene					*95*	*100*	*79-126*			

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Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
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HALOGENATED VOLATILES EPA 8260C
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B2-012615-GW**					
Laboratory ID:	01-183-10					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Chloromethane	ND	1.0	EPA 8260C	1-28-15	1-28-15	
Vinyl Chloride	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Bromomethane	ND	0.26	EPA 8260C	1-28-15	1-28-15	
Chloroethane	ND	1.0	EPA 8260C	1-28-15	1-28-15	
Trichlorofluoromethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,1-Dichloroethene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Iodomethane	ND	1.0	EPA 8260C	1-28-15	1-28-15	
Methylene Chloride	ND	1.0	EPA 8260C	1-28-15	1-28-15	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,1-Dichloroethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
2,2-Dichloropropane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Bromochloromethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Chloroform	0.43	0.20	EPA 8260C	1-28-15	1-28-15	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Carbon Tetrachloride	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,1-Dichloropropene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,2-Dichloroethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Trichloroethene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,2-Dichloropropane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Dibromomethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Bromodichloromethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
2-Chloroethyl Vinyl Ether	ND	2.0	EPA 8260C	1-28-15	1-28-15	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	1-28-15	1-28-15	

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

HALOGENATED VOLATILES EPA 8260C
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B2-012615-GW**					
Laboratory ID:	01-183-10					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Tetrachloroethene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,3-Dichloropropane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Dibromochloromethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,2-Dibromoethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Chlorobenzene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Bromoform	ND	1.0	EPA 8260C	1-28-15	1-28-15	
Bromobenzene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
2-Chlorotoluene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
4-Chlorotoluene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	1-28-15	1-28-15	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Hexachlorobutadiene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*79-122*				
Toluene-d8	*103*	*80-120*				
4-Bromofluorobenzene	*98*	*80-120*				

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

VOLATILES EPA 8260C

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B3-012615-GW**					
Laboratory ID:	01-183-22					
Methyl t-Butyl Ether	ND	2.0	EPA 8260C	1-28-15	1-28-15	
1,2-Dichloroethane	ND	2.0	EPA 8260C	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*95*	*79-122*				
Toluene-d8	*97*	*80-120*				
4-Bromofluorobenzene	*94*	*80-120*				

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

HALOGENATED VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0128W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Chloromethane	ND	1.0	EPA 8260C	1-28-15	1-28-15	
Vinyl Chloride	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Bromomethane	ND	0.26	EPA 8260C	1-28-15	1-28-15	
Chloroethane	ND	1.0	EPA 8260C	1-28-15	1-28-15	
Trichlorofluoromethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,1-Dichloroethene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Iodomethane	ND	1.0	EPA 8260C	1-28-15	1-28-15	
Methylene Chloride	ND	1.0	EPA 8260C	1-28-15	1-28-15	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,1-Dichloroethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
2,2-Dichloropropane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Bromochloromethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Chloroform	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Carbon Tetrachloride	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,1-Dichloropropene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,2-Dichloroethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Trichloroethene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,2-Dichloropropane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Dibromomethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Bromodichloromethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
2-Chloroethyl Vinyl Ether	ND	2.0	EPA 8260C	1-28-15	1-28-15	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	1-28-15	1-28-15	

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

HALOGENATED VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0128W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Tetrachloroethene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,3-Dichloropropane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Dibromochloromethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,2-Dibromoethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Chlorobenzene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Bromoform	ND	1.0	EPA 8260C	1-28-15	1-28-15	
Bromobenzene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
2-Chlorotoluene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
4-Chlorotoluene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	1-28-15	1-28-15	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Hexachlorobutadiene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*105*	*79-122*				
Toluene-d8	*101*	*80-120*				
4-Bromofluorobenzene	*99*	*80-120*				

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

HALOGENATED VOLATILES EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0128W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**9.93**	**9.37**	10.0	10.0	99	94	64-138	6	16	
Benzene	**9.70**	**9.74**	10.0	10.0	97	97	76-125	0	14	
Trichloroethene	**9.23**	**9.06**	10.0	10.0	92	91	70-125	2	16	
Toluene	**9.73**	**9.54**	10.0	10.0	97	95	75-125	2	15	
Chlorobenzene	**9.40**	**9.11**	10.0	10.0	94	91	80-140	3	15	
Surrogate:										
Dibromofluoromethane					*99*	*105*	*79-122*			
Toluene-d8					*98*	*99*	*80-120*			
4-Bromofluorobenzene					*94*	*94*	*80-120*			

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B1-4.0**					
Laboratory ID:	01-183-05					
Naphthalene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
2-Methylnaphthalene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
1-Methylnaphthalene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
Acenaphthylene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
Acenaphthene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
Fluorene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
Phenanthrene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
Anthracene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
Fluoranthene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
Pyrene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
Benzo[a]anthracene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
Chrysene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
Benzo[b]fluoranthene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
Benzo(j,k)fluoranthene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
Benzo[a]pyrene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
Dibenz[a,h]anthracene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
Benzo[g,h,i]perylene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*78*	*32 - 114*				
Pyrene-d10	*67*	*33 - 121*				
Terphenyl-d14	*67*	*31 - 116*				

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B2-6.0**					
Laboratory ID:	01-183-08					
Naphthalene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
2-Methylnaphthalene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
1-Methylnaphthalene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
Acenaphthylene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
Acenaphthene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
Fluorene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
Phenanthrene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
Anthracene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
Fluoranthene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
Pyrene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
Benzo[a]anthracene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
Chrysene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
Benzo[b]fluoranthene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
Benzo(j,k)fluoranthene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
Benzo[a]pyrene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
Dibenz[a,h]anthracene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
Benzo[g,h,i]perylene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*74*	*32 - 114*				
Pyrene-d10	*68*	*33 - 121*				
Terphenyl-d14	*63*	*31 - 116*				

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

PAHs EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0130S1					
Naphthalene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
Acenaphthylene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
Acenaphthene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
Fluorene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
Phenanthrene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
Anthracene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
Fluoranthene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
Pyrene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
Chrysene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
Benzo(j,k)fluoranthene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*102*	*32 - 114*				
Pyrene-d10	*88*	*33 - 121*				
Terphenyl-d14	*77*	*31 - 116*				

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

PAHs EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0130S1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.0785**	**0.0809**	0.0833	0.0833	94	97	63 - 113	3	19	
Acenaphthylene	**0.0924**	**0.0957**	0.0833	0.0833	111	115	61 - 125	4	16	
Acenaphthene	**0.0920**	**0.0949**	0.0833	0.0833	110	113	66 - 113	3	16	
Fluorene	**0.0914**	**0.0933**	0.0833	0.0833	110	112	60 - 117	2	16	
Phenanthrene	**0.0848**	**0.0873**	0.0833	0.0833	102	105	63 - 116	3	12	
Anthracene	**0.0956**	**0.0975**	0.0833	0.0833	115	117	66 - 141	2	19	
Fluoranthene	**0.0892**	**0.0915**	0.0833	0.0833	107	110	60 - 125	3	13	
Pyrene	**0.0898**	**0.0932**	0.0833	0.0833	108	112	66 - 126	4	15	
Benzo[a]anthracene	**0.0939**	**0.0960**	0.0833	0.0833	113	115	60 - 128	2	15	
Chrysene	**0.0793**	**0.0831**	0.0833	0.0833	95	100	60 - 117	5	13	
Benzo[b]fluoranthene	**0.0766**	**0.0760**	0.0833	0.0833	92	91	60 - 131	1	16	
Benzo(j,k)fluoranthene	**0.0780**	**0.0818**	0.0833	0.0833	94	98	57 - 126	5	20	
Benzo[a]pyrene	**0.0812**	**0.0833**	0.0833	0.0833	97	100	62 - 136	3	16	
Indeno(1,2,3-c,d)pyrene	**0.0827**	**0.0846**	0.0833	0.0833	99	102	60 - 127	2	19	
Dibenz[a,h]anthracene	**0.0841**	**0.0870**	0.0833	0.0833	101	104	62 - 133	3	22	
Benzo[g,h,i]perylene	**0.0822**	**0.0849**	0.0833	0.0833	99	102	63 - 129	3	22	
Surrogate:										
2-Fluorobiphenyl					*116*	*107*	*32 - 114*			Q
Pyrene-d10					*91*	*94*	*33 - 121*			
Terphenyl-d14					*79*	*82*	*31 - 116*			

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

PAHs EPA 8270D/SIM

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B2-012615-GW**					
Laboratory ID:	01-183-10					
Naphthalene	**1.4**	0.096	EPA 8270D/SIM	1-29-15	1-29-15	
2-Methylnaphthalene	**0.48**	0.096	EPA 8270D/SIM	1-29-15	1-29-15	
1-Methylnaphthalene	**0.19**	0.096	EPA 8270D/SIM	1-29-15	1-29-15	
Acenaphthylene	**ND**	0.096	EPA 8270D/SIM	1-29-15	1-29-15	
Acenaphthene	**ND**	0.096	EPA 8270D/SIM	1-29-15	1-29-15	
Fluorene	**ND**	0.096	EPA 8270D/SIM	1-29-15	1-29-15	
Phenanthrene	**ND**	0.096	EPA 8270D/SIM	1-29-15	1-29-15	
Anthracene	**ND**	0.096	EPA 8270D/SIM	1-29-15	1-29-15	
Fluoranthene	**ND**	0.096	EPA 8270D/SIM	1-29-15	1-29-15	
Pyrene	**ND**	0.096	EPA 8270D/SIM	1-29-15	1-29-15	
Benzo[a]anthracene	**ND**	0.0096	EPA 8270D/SIM	1-29-15	1-29-15	
Chrysene	**ND**	0.0096	EPA 8270D/SIM	1-29-15	1-29-15	
Benzo[b]fluoranthene	**ND**	0.0096	EPA 8270D/SIM	1-29-15	1-29-15	
Benzo(j,k)fluoranthene	**ND**	0.0096	EPA 8270D/SIM	1-29-15	1-29-15	
Benzo[a]pyrene	**ND**	0.0096	EPA 8270D/SIM	1-29-15	1-29-15	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0096	EPA 8270D/SIM	1-29-15	1-29-15	
Dibenz[a,h]anthracene	**ND**	0.0096	EPA 8270D/SIM	1-29-15	1-29-15	
Benzo[g,h,i]perylene	**ND**	0.0096	EPA 8270D/SIM	1-29-15	1-29-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*72*	*39 - 109*				
Pyrene-d10	*72*	*53 - 131*				
Terphenyl-d14	*133*	*44 - 104*				Q

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

PAHs EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0129W1					
Naphthalene	**ND**	0.10	EPA 8270D/SIM	1-29-15	1-29-15	
2-Methylnaphthalene	**ND**	0.10	EPA 8270D/SIM	1-29-15	1-29-15	
1-Methylnaphthalene	**ND**	0.10	EPA 8270D/SIM	1-29-15	1-29-15	
Acenaphthylene	**ND**	0.10	EPA 8270D/SIM	1-29-15	1-29-15	
Acenaphthene	**ND**	0.10	EPA 8270D/SIM	1-29-15	1-29-15	
Fluorene	**ND**	0.10	EPA 8270D/SIM	1-29-15	1-29-15	
Phenanthrene	**ND**	0.10	EPA 8270D/SIM	1-29-15	1-29-15	
Anthracene	**ND**	0.10	EPA 8270D/SIM	1-29-15	1-29-15	
Fluoranthene	**ND**	0.10	EPA 8270D/SIM	1-29-15	1-29-15	
Pyrene	**ND**	0.10	EPA 8270D/SIM	1-29-15	1-29-15	
Benzo[a]anthracene	**ND**	0.010	EPA 8270D/SIM	1-29-15	1-29-15	
Chrysene	**ND**	0.010	EPA 8270D/SIM	1-29-15	1-29-15	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270D/SIM	1-29-15	1-29-15	
Benzo(j,k)fluoranthene	**ND**	0.010	EPA 8270D/SIM	1-29-15	1-29-15	
Benzo[a]pyrene	**ND**	0.010	EPA 8270D/SIM	1-29-15	1-29-15	
Indeno(1,2,3-c,d)pyrene	**ND**	0.010	EPA 8270D/SIM	1-29-15	1-29-15	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270D/SIM	1-29-15	1-29-15	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270D/SIM	1-29-15	1-29-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*78*	*39 - 109*				
Pyrene-d10	*85*	*53 - 131*				
Terphenyl-d14	*95*	*44 - 104*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

PAHs EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0129W1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.350**	**0.437**	0.500	0.500	70	87	41 - 105	22	46	
Acenaphthylene	**0.431**	**0.504**	0.500	0.500	86	101	48 - 109	16	43	
Acenaphthene	**0.372**	**0.444**	0.500	0.500	74	89	52 - 105	18	40	
Fluorene	**0.408**	**0.456**	0.500	0.500	82	91	60 - 108	11	41	
Phenanthrene	**0.388**	**0.427**	0.500	0.500	78	85	61 - 110	10	36	
Anthracene	**0.395**	**0.445**	0.500	0.500	79	89	57 - 130	12	37	
Fluoranthene	**0.407**	**0.440**	0.500	0.500	81	88	60 - 120	8	35	
Pyrene	**0.403**	**0.437**	0.500	0.500	81	87	66 - 127	8	37	
Benzo[a]anthracene	**0.432**	**0.475**	0.500	0.500	86	95	60 - 135	9	34	
Chrysene	**0.364**	**0.385**	0.500	0.500	73	77	64 - 113	6	34	
Benzo[b]fluoranthene	**0.357**	**0.402**	0.500	0.500	71	80	66 - 126	12	37	
Benzo(j,k)fluoranthene	**0.470**	**0.498**	0.500	0.500	94	100	66 - 123	6	39	
Benzo[a]pyrene	**0.424**	**0.463**	0.500	0.500	85	93	63 - 130	9	37	
Indeno(1,2,3-c,d)pyrene	**0.450**	**0.475**	0.500	0.500	90	95	63 - 130	5	42	
Dibenz[a,h]anthracene	**0.447**	**0.474**	0.500	0.500	89	95	60 - 124	6	44	
Benzo[g,h,i]perylene	**0.429**	**0.450**	0.500	0.500	86	90	60 - 119	5	45	
Surrogate:										
2-Fluorobiphenyl					*79*	*93*	*39 - 109*			
Pyrene-d10					*82*	*88*	*53 - 131*			
Terphenyl-d14					*91*	*97*	*44 - 104*			

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B1-4.0**					
Laboratory ID:	01-183-05					
Aroclor 1016	**ND**	0.059	EPA 8082A	1-29-15	1-29-15	
Aroclor 1221	**ND**	0.059	EPA 8082A	1-29-15	1-29-15	
Aroclor 1232	**ND**	0.059	EPA 8082A	1-29-15	1-29-15	
Aroclor 1242	**ND**	0.059	EPA 8082A	1-29-15	1-29-15	
Aroclor 1248	**ND**	0.059	EPA 8082A	1-29-15	1-29-15	
Aroclor 1254	**ND**	0.059	EPA 8082A	1-29-15	1-29-15	
Aroclor 1260	**ND**	0.059	EPA 8082A	1-29-15	1-29-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*84*	*55-140*				
Client ID:	**B2-6.0**					
Laboratory ID:	01-183-08					
Aroclor 1016	**ND**	0.065	EPA 8082A	1-29-15	1-29-15	
Aroclor 1221	**ND**	0.065	EPA 8082A	1-29-15	1-29-15	
Aroclor 1232	**ND**	0.065	EPA 8082A	1-29-15	1-29-15	
Aroclor 1242	**ND**	0.065	EPA 8082A	1-29-15	1-29-15	
Aroclor 1248	**ND**	0.065	EPA 8082A	1-29-15	1-29-15	
Aroclor 1254	**ND**	0.065	EPA 8082A	1-29-15	1-29-15	
Aroclor 1260	**ND**	0.065	EPA 8082A	1-29-15	1-29-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*89*	*55-140*				

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0129S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	1-29-15	1-30-15	
Aroclor 1221	**ND**	0.050	EPA 8082A	1-29-15	1-30-15	
Aroclor 1232	**ND**	0.050	EPA 8082A	1-29-15	1-30-15	
Aroclor 1242	**ND**	0.050	EPA 8082A	1-29-15	1-30-15	
Aroclor 1248	**ND**	0.050	EPA 8082A	1-29-15	1-30-15	
Aroclor 1254	**ND**	0.050	EPA 8082A	1-29-15	1-30-15	
Aroclor 1260	**ND**	0.050	EPA 8082A	1-29-15	1-30-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*96*	*55-140*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	01-180-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.300**	**0.332**	0.500	0.500	ND	**60**	**66**	46-136	10	17	
Surrogate:											
DCB						*71*	*77*	*55-140*			

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

PCBs
EPA 8082A

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B2-012615-GW**					
Laboratory ID:	01-183-10					
Aroclor 1016	**ND**	0.10	EPA 8082A	2-3-15	2-3-15	
Aroclor 1221	**ND**	0.10	EPA 8082A	2-3-15	2-3-15	
Aroclor 1232	**ND**	0.10	EPA 8082A	2-3-15	2-3-15	
Aroclor 1242	**ND**	0.10	EPA 8082A	2-3-15	2-3-15	
Aroclor 1248	**ND**	0.10	EPA 8082A	2-3-15	2-3-15	
Aroclor 1254	**ND**	0.10	EPA 8082A	2-3-15	2-3-15	
Aroclor 1260	**ND**	0.10	EPA 8082A	2-3-15	2-3-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*62*	*53-128*				

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0203W1					
Aroclor 1016	**ND**	0.050	EPA 8082A	2-3-15	2-3-15	
Aroclor 1221	**ND**	0.050	EPA 8082A	2-3-15	2-3-15	
Aroclor 1232	**ND**	0.050	EPA 8082A	2-3-15	2-3-15	
Aroclor 1242	**ND**	0.050	EPA 8082A	2-3-15	2-3-15	
Aroclor 1248	**ND**	0.050	EPA 8082A	2-3-15	2-3-15	
Aroclor 1254	**ND**	0.050	EPA 8082A	2-3-15	2-3-15	
Aroclor 1260	**ND**	0.050	EPA 8082A	2-3-15	2-3-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*85*	*53-128*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0203W1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.411**	**0.407**	0.500	0.500	N/A	**82**	**81**	61-124	1	12	
Surrogate:											
DCB						*88*	*83*	*53-128*			

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

TOTAL LEAD
EPA 6010C

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	01-183-20					
Client ID:	**B3-11.5**					
Lead	**ND**	6.2	6010C	1-29-15	1-29-15	

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

TOTAL LEAD
EPA 6010C
METHOD BLANK QUALITY CONTROL

Date Extracted:	1-29-15
Date Analyzed:	1-29-15
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0129SM1

Analyte	Method	Result	PQL
Lead	6010C	**ND**	5.0

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

TOTAL LEAD
EPA 6010C
DUPLICATE QUALITY CONTROL

Date Extracted: 1-29-15
Date Analyzed: 1-29-15

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 01-201-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Lead	**8.00**	**6.80**	16	5.0	

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

TOTAL LEAD
EPA 6010C
MS/MSD QUALITY CONTROL

Date Extracted: 1-29-15
Date Analyzed: 1-29-15

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 01-201-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Lead	250	**254**	98	**253**	98	0	

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

TOTAL LEAD
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	01-183-10					
Client ID:	**B2-012615-GW**					
Lead	**4.0**	1.1	200.8	2-2-15	2-2-15	
Lab ID:	01-183-26					
Client ID:	**B4-012615-GW**					
Lead	**1300**	11	200.8	2-2-15	2-2-15	

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

TOTAL LEAD
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Extracted:	2-2-15
Date Analyzed:	2-2-15
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0202WM1

Analyte	Method	Result	PQL
Lead	200.8	**ND**	1.1

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

TOTAL LEAD
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Extracted: 2-2-15
Date Analyzed: 2-2-15

Matrix: Water
Units: ug/L (ppb)

Lab ID: 01-137-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Lead	**ND**	**ND**	NA	1.1	

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

TOTAL LEAD
EPA 200.8
MS/MSD QUALITY CONTROL

Date Extracted: 2-2-15
Date Analyzed: 2-2-15

Matrix: Water
Units: ug/L (ppb)

Lab ID: 01-137-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Lead	111	**113**	102	**112**	101	2	

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

DISSOLVED LEAD
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	01-183-10					
Client ID:	**B2-012615-GW**					
Lead	**ND**	1.0	200.8	1-27-15	2-4-15	

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

DISSOLVED LEAD
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Filtered:	1-27-15
Date Analyzed:	2-4-15
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0127F1

Analyte	Method	Result	PQL
Lead	200.8	**ND**	1.0

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

DISSOLVED LEAD
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Filtered: 1-27-15
Date Analyzed: 2-4-15

Matrix: Water
Units: ug/L (ppb)

Lab ID: 01-183-10

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Lead	**ND**	**ND**	NA	1.0	

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

DISSOLVED LEAD
EPA 200.8
MS/MSD QUALITY CONTROL

Date Filtered: 1-27-15
Date Analyzed: 2-4-15

Matrix: Water
Units: ug/L (ppb)

Lab ID: 01-183-10

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Lead	200	**190**	95	**208**	104	9	

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

1,2-DIBROMOETHANE (EDB)
EPA 8011

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B2-012615-GW**					
Laboratory ID:	01-183-10					
EDB	**ND**	0.010	EPA 8011	2-4-15	2-4-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*135*	*25-143*				
Client ID:	**B3-012615-GW**					
Laboratory ID:	01-183-22					
EDB	**ND**	0.010	EPA 8011	2-4-15	2-4-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*58*	*25-143*				

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

1,2-DIBROMOETHANE (EDB)
EPA 8011
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0204W1					
EDB	**ND**	0.010	EPA 8011	2-4-15	2-4-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*116*	*25-143*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0204W1										
	SB	SBD	SB	SBD		SB	SBD				
EDB	**0.110**	**0.110**	0.100	0.100	N/A	**110**	**110**	84-118	0	15	
Surrogate:											
TCMX						*112*	*112*	*25-143*			

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

% MOISTURE

Date Analyzed: 1-28&30-15

Client ID	Lab ID	% Moisture
B10-1.5	01-183-02	17
B1-3.0	01-183-04	11
B1-4.0	01-183-05	16
B2-6.0	01-183-08	24
B2-9.5	01-183-09	13
B5-5.0	01-183-13	11
B5-7.0	01-183-14	13
B11-11.0	01-183-16	16
B3-11.5	01-183-20	19
B3-15.5	01-183-21	17
B4-9.5	01-183-24	15
B4-12.0	01-183-25	10

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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-napthalene) 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 method 8260C, 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

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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: 1295-001
Project Name: Endolyne Garden Apartments
Project Manager: TAD CLINE
Sampled by: Ken Smith

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: 01-183

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	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		TOTAL LEAD	DISSOLVED LEAD	EDB 8011	MTBE, EDC	% Moisture
1	B10-0.5	1/26/15	1025	S	5																						
2	B10-1.5		1030	S	5				X																		X
3	B1-1.0		1140	S	5																						
4	B1-3.0		1150	S	5				X																		X
5	B1-4.0		1200	S	5				X		X		X	X													X
6	B2-2.5		1220	S	5																						
7	B2-4.5		1230	S	5																						
8	B2-6.0		1240	S	5				X		X		X	X													X
9	B2-9.5		1250	S	5				X																		X
10	B2-012615-GW		1300	W	10	X			X		X		X	X									X	X	X	X	

	Signature	Company	Date	Time
Relinquished	Ken Smith	FARALLON	1/26/15	1800
Received	[illegible]	GeoEng	1/27/15	1210
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
Hold sample, will call w analysis. Dissolved metal sample for B2 was not field filtered. Please filter ASAP.
X Added 1/28/15. DB (STA)

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐
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
Project Number: 1295-001
Project Name: ENDOLYNE GARDEN APARTMENTS
Project Manager: TAD CLINE
Sampled by: Ken Scott

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: 01-183

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	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		TOTAL LEAD		MTBE, EDC, EDB 8260	~~EDB 8011~~ DB	% Moisture
11	B5-1.0	1/26/15	1335	S	5																						
12	B5-3.0		1345	S	5																						
13	B5-5.0		1355	S	5		X																				X
14	B5-7.0		1405	S	5		X																				X
15	B11-3.0		1420	S	5																						
16	B11-11.0		1435	S	5		X		X																		X
17	B3-3.0		1500	S	2																						
18	B3-6.5		1510	S	2																						
19	B3-8.5		1520	S	2																						
20	B3-11.5	↓	1530	S	2		X																X		X		X

	Signature	Company	Date	Time
Relinquished	Ken Scott	FARALLON	1/26/15	1800
Received	[signature]	[signature]	1/27/15	1210
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
See page #1

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐
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
Project Number: 1295-001
Project Name: Endolyne Garden Apartments
Project Manager: TAD CLINE
Sampled by: Ken Smith

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: 01-183

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	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	TOTAL LEAD	MTBE, EDC 8260	EDB 8011			% Moisture
21	B3-15.5	1/26/15	1540	S	2		X																				X
22	B3-012615-GW		1555	W	~~3~~ 5		X																X	X			
23	B4-6.5		1615	S	5																						
24	B4-9.5		1625	S	5		X																				X
25	B4-12.0		1630	S	5		X																				X
26	B4-012615-GW		1635	W	~~3~~ 4		X															X					
					~~5~~																						

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished	Ken Smith	FARALLON	1/26/15	1800	SEE PAGE #1
Received		OnSite Env.	1/27/15	1210	
Relinquished					
Received					
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental Inc.

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

February 5, 2015

Tad Cline
Farallon Consulting, LLC
Queen Anne Square East Bldg.
200 West Mercer Street, Suite 302
Seattle, WA 98119

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 1501-203

Dear Tad:

Enclosed are the analytical results and associated quality control data for samples submitted on February 28, 2015.

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

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

Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

Case Narrative

Samples were collected on January 27, 2015 and received by the laboratory on January 28, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

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

NWTPH Gx/BTEX and Volatiles EPA 8260C (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Low-level VOA vials containing stir bars necessary to obtain the MTCA Method A cleanup level for 1,2-Dibromoethane were not provided for sample B7-8.0. The sample was therefore extracted from a 4-ounce jar and analyzed.

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

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Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B6-2.5**					
Laboratory ID:	01-203-01					
Benzene	**ND**	0.020	EPA 8021B	1-31-15	1-31-15	
Toluene	**ND**	0.050	EPA 8021B	1-31-15	1-31-15	
Ethyl Benzene	**ND**	0.050	EPA 8021B	1-31-15	1-31-15	
m,p-Xylene	**ND**	0.050	EPA 8021B	1-31-15	1-31-15	
o-Xylene	**ND**	0.050	EPA 8021B	1-31-15	1-31-15	
Gasoline	**ND**	5.0	NWTPH-Gx	1-31-15	1-31-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*91*	*68-123*				
Client ID:	**B6-8.5**					
Laboratory ID:	01-203-03					
Benzene	**ND**	0.020	EPA 8021B	1-31-15	1-31-15	
Toluene	**ND**	0.062	EPA 8021B	1-31-15	1-31-15	
Ethyl Benzene	**ND**	0.062	EPA 8021B	1-31-15	1-31-15	
m,p-Xylene	**ND**	0.062	EPA 8021B	1-31-15	1-31-15	
o-Xylene	**ND**	0.062	EPA 8021B	1-31-15	1-31-15	
Gasoline	**ND**	6.2	NWTPH-Gx	1-31-15	1-31-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*68-123*				
Client ID:	**B6-11.5**					
Laboratory ID:	01-203-04					
Benzene	**ND**	0.020	EPA 8021B	1-31-15	1-31-15	
Toluene	**ND**	0.057	EPA 8021B	1-31-15	1-31-15	
Ethyl Benzene	**ND**	0.057	EPA 8021B	1-31-15	1-31-15	
m,p-Xylene	**ND**	0.057	EPA 8021B	1-31-15	1-31-15	
o-Xylene	**ND**	0.057	EPA 8021B	1-31-15	1-31-15	
Gasoline	**ND**	5.7	NWTPH-Gx	1-31-15	1-31-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*97*	*68-123*				

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Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-5.0**					
Laboratory ID:	01-203-07					
Benzene	**ND**	0.020	EPA 8021B	1-31-15	1-31-15	
Toluene	**ND**	0.064	EPA 8021B	1-31-15	1-31-15	
Ethyl Benzene	**ND**	0.064	EPA 8021B	1-31-15	1-31-15	
m,p-Xylene	**ND**	0.064	EPA 8021B	1-31-15	1-31-15	
o-Xylene	**ND**	0.064	EPA 8021B	1-31-15	1-31-15	
Gasoline	**ND**	6.4	NWTPH-Gx	1-31-15	1-31-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*99*	*68-123*				
Client ID:	**B7-8.0**					
Laboratory ID:	01-203-09					
Benzene	**ND**	0.020	EPA 8021B	1-31-15	1-31-15	
Toluene	**ND**	0.068	EPA 8021B	1-31-15	1-31-15	
Ethyl Benzene	**ND**	0.068	EPA 8021B	1-31-15	1-31-15	
m,p-Xylene	**ND**	0.068	EPA 8021B	1-31-15	1-31-15	
o-Xylene	**ND**	0.068	EPA 8021B	1-31-15	1-31-15	
Gasoline	**ND**	6.8	NWTPH-Gx	1-31-15	1-31-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*99*	*68-123*				
Client ID:	**B8-5.5**					
Laboratory ID:	01-203-12					
Benzene	**ND**	0.020	EPA 8021B	1-31-15	1-31-15	
Toluene	**ND**	0.063	EPA 8021B	1-31-15	1-31-15	
Ethyl Benzene	**ND**	0.063	EPA 8021B	1-31-15	1-31-15	
m,p-Xylene	**ND**	0.063	EPA 8021B	1-31-15	1-31-15	
o-Xylene	**ND**	0.063	EPA 8021B	1-31-15	1-31-15	
Gasoline	**ND**	6.3	NWTPH-Gx	1-31-15	1-31-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*103*	*68-123*				

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Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B9-5.0**					
Laboratory ID:	01-203-15					
Benzene	**ND**	0.020	EPA 8021B	1-31-15	1-31-15	
Toluene	**ND**	0.066	EPA 8021B	1-31-15	1-31-15	
Ethyl Benzene	**ND**	0.066	EPA 8021B	1-31-15	1-31-15	
m,p-Xylene	**ND**	0.066	EPA 8021B	1-31-15	1-31-15	
o-Xylene	**ND**	0.066	EPA 8021B	1-31-15	1-31-15	
Gasoline	**ND**	6.6	NWTPH-Gx	1-31-15	1-31-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*68-123*				
Client ID:	**B9-7.5**					
Laboratory ID:	01-203-16					
Benzene	**ND**	0.020	EPA 8021B	1-31-15	1-31-15	
Toluene	**ND**	0.066	EPA 8021B	1-31-15	1-31-15	
Ethyl Benzene	**ND**	0.066	EPA 8021B	1-31-15	1-31-15	
m,p-Xylene	**ND**	0.066	EPA 8021B	1-31-15	1-31-15	
o-Xylene	**ND**	0.066	EPA 8021B	1-31-15	1-31-15	
Gasoline	**ND**	6.6	NWTPH-Gx	1-31-15	1-31-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*68-123*				

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Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

NWTPH-Gx/BTEX
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0131S1					
Benzene	**ND**	0.020	EPA 8021B	1-31-15	1-31-15	
Toluene	**ND**	0.050	EPA 8021B	1-31-15	1-31-15	
Ethyl Benzene	**ND**	0.050	EPA 8021B	1-31-15	1-31-15	
m,p-Xylene	**ND**	0.050	EPA 8021B	1-31-15	1-31-15	
o-Xylene	**ND**	0.050	EPA 8021B	1-31-15	1-31-15	
Gasoline	**ND**	5.0	NWTPH-Gx	1-31-15	1-31-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*90*	*68-123*				
Laboratory ID:	MB0131S2					
Benzene	**ND**	0.020	EPA 8021B	1-31-15	1-31-15	
Toluene	**ND**	0.050	EPA 8021B	1-31-15	1-31-15	
Ethyl Benzene	**ND**	0.050	EPA 8021B	1-31-15	1-31-15	
m,p-Xylene	**ND**	0.050	EPA 8021B	1-31-15	1-31-15	
o-Xylene	**ND**	0.050	EPA 8021B	1-31-15	1-31-15	
Gasoline	**ND**	5.0	NWTPH-Gx	1-31-15	1-31-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*68-123*				

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Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	01-217-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*101*	*106*	*68-123*			
Laboratory ID:	01-238-04										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*88*	*87*	*68-123*			
SPIKE BLANKS											
Laboratory ID:	SB0131S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.955**	**1.01**	1.00	1.00		**96**	**101**	75-117	6	13	
Toluene	**0.938**	**0.987**	1.00	1.00		**94**	**99**	78-118	5	12	
Ethyl Benzene	**0.885**	**0.927**	1.00	1.00		**89**	**93**	78-118	5	12	
m,p-Xylene	**0.879**	**0.911**	1.00	1.00		**88**	**91**	78-121	4	13	
o-Xylene	**0.840**	**0.861**	1.00	1.00		**84**	**86**	77-119	2	13	
Surrogate:											
Fluorobenzene						*91*	*96*	*68-123*			

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Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B6-012715-GW**					
Laboratory ID:	01-203-05					
Benzene	**3.7**	1.0	EPA 8021B	1-30-15	1-30-15	
Toluene	**45**	1.0	EPA 8021B	1-30-15	1-30-15	
Ethyl Benzene	**10**	1.0	EPA 8021B	1-30-15	1-30-15	
m,p-Xylene	**34**	1.0	EPA 8021B	1-30-15	1-30-15	
o-Xylene	**12**	1.0	EPA 8021B	1-30-15	1-30-15	
Gasoline	**350**	100	NWTPH-Gx	1-30-15	1-30-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*91*	*71-113*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0130W1					
Benzene	**ND**	1.0	EPA 8021B	1-30-15	1-30-15	
Toluene	**ND**	1.0	EPA 8021B	1-30-15	1-30-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	1-30-15	1-30-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	1-30-15	1-30-15	
o-Xylene	**ND**	1.0	EPA 8021B	1-30-15	1-30-15	
Gasoline	**ND**	100	NWTPH-Gx	1-30-15	1-30-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*89*	*71-113*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	01-228-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*88*	*90*	*71-113*			
SPIKE BLANKS											
Laboratory ID:	SB0130W1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**46.8**	**47.2**	50.0	50.0		**94**	**94**	80-118	1	11	
Toluene	**46.1**	**47.0**	50.0	50.0		**92**	**94**	81-119	2	11	
Ethyl Benzene	**46.5**	**47.1**	50.0	50.0		**93**	**94**	80-121	1	12	
m,p-Xylene	**46.6**	**47.3**	50.0	50.0		**93**	**95**	81-121	1	12	
o-Xylene	**46.8**	**47.3**	50.0	50.0		**94**	**95**	81-119	1	12	
Surrogate:											
Fluorobenzene						*87*	*89*	*71-113*			

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

Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

TOTAL LEAD
EPA 6010C

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	01-203-09					
Client ID:	**B7-8.0**					
Lead	**6.4**	6.2	6010C	2-3-15	2-3-15	
Lab ID:	01-203-16					
Client ID:	**B9-7.5**					
Lead	**ND**	6.0	6010C	2-3-15	2-3-15	

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

Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

TOTAL LEAD
EPA 6010C
METHOD BLANK QUALITY CONTROL

Date Extracted:	2-3-15
Date Analyzed:	2-3-15
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0203SM1

Analyte	Method	Result	PQL
Lead	6010C	**ND**	5.0

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

Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

TOTAL LEAD
EPA 6010C
DUPLICATE QUALITY CONTROL

Date Extracted: 2-3-15
Date Analyzed: 2-3-15

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 01-203-16

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Lead	**ND**	**ND**	NA	5.0	

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

Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

TOTAL LEAD
EPA 6010C
MS/MSD QUALITY CONTROL

Date Extracted: 2-3-15
Date Analyzed: 2-3-15

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 01-203-16

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Lead	250	**236**	94	**235**	94	0	

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

Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-8.0**					
Laboratory ID:	01-203-09					
Methyl t-Butyl Ether	ND	0.0013	EPA 8260C	1-29-15	1-29-15	
1,2-Dichloroethane	ND	0.0013	EPA 8260C	1-29-15	1-29-15	
1,2-Dibromoethane	ND	0.0013	EPA 8260C	1-29-15	1-29-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*116*	*76-131*				
Toluene-d8	*111*	*82-129*				
4-Bromofluorobenzene	*100*	*79-126*				

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

Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B9-7.5**					
Laboratory ID:	01-203-16					
Methyl t-Butyl Ether	ND	0.0010	EPA 8260C	1-29-15	1-29-15	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	1-29-15	1-29-15	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	1-29-15	1-29-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*123*	*76-131*				
Toluene-d8	*119*	*82-129*				
4-Bromofluorobenzene	*108*	*79-126*				

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

Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0129S1					
Methyl t-Butyl Ether	ND	0.0010	EPA 8260C	1-29-15	1-29-15	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	1-29-15	1-29-15	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	1-29-15	1-29-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*121*	*76-131*				
Toluene-d8	*115*	*82-129*				
4-Bromofluorobenzene	*107*	*79-126*				

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

Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

VOLATILES by EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0129S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0498**	**0.0505**	0.0500	0.0500	100	101	66-129	1	15	
Benzene	**0.0526**	**0.0548**	0.0500	0.0500	105	110	71-123	4	15	
Trichloroethene	**0.0499**	**0.0500**	0.0500	0.0500	100	100	75-115	0	15	
Toluene	**0.0515**	**0.0511**	0.0500	0.0500	103	102	75-120	1	15	
Chlorobenzene	**0.0443**	**0.0453**	0.0500	0.0500	89	91	75-121	2	15	
Surrogate:										
Dibromofluoromethane					*108*	*114*	*76-131*			
Toluene-d8					*106*	*107*	*82-129*			
4-Bromofluorobenzene					*95*	*100*	*79-126*			

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

VOLATILES EPA 8260C

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B6-012715-GW**					
Laboratory ID:	01-203-05					
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	1-29-15	1-29-15	
1,2-Dichloroethane	ND	0.20	EPA 8260C	1-29-15	1-29-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*105*	*79-122*				
Toluene-d8	*101*	*80-120*				
4-Bromofluorobenzene	*101*	*80-120*				

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0129W1					
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	1-29-15	1-29-15	
1,2-Dichloroethane	ND	0.20	EPA 8260C	1-29-15	1-29-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*106*	*79-122*				
Toluene-d8	*100*	*80-120*				
4-Bromofluorobenzene	*100*	*80-120*				

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

Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

VOLATILES by EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0129W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**9.76**	**9.76**	10.0	10.0	98	98	64-138	0	16	
Benzene	**9.63**	**9.87**	10.0	10.0	96	99	76-125	2	14	
Trichloroethene	**9.18**	**9.26**	10.0	10.0	92	93	70-125	1	16	
Toluene	**9.58**	**9.64**	10.0	10.0	96	96	75-125	1	15	
Chlorobenzene	**9.39**	**9.17**	10.0	10.0	94	92	80-140	2	15	
Surrogate:										
Dibromofluoromethane					*96*	*104*	*79-122*			
Toluene-d8					*98*	*100*	*80-120*			
4-Bromofluorobenzene					*95*	*95*	*80-120*			

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

Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

1,2-DIBROMOETHANE (EDB)
EPA 8011

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B6-012715-GW**					
Laboratory ID:	01-203-05					
EDB	**ND**	0.010	EPA 8011	2-4-15	2-4-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*123*	*25-143*				

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Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

1,2-DIBROMOETHANE (EDB)
EPA 8011
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0204W1					
EDB	**ND**	0.010	EPA 8011	2-4-15	2-4-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*116*	*25-143*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0204W1										
	SB	SBD	SB	SBD		SB	SBD				
EDB	**0.110**	**0.110**	0.100	0.100	N/A	**110**	**110**	84-118	0	15	
Surrogate:											
TCMX						*112*	*112*	*25-143*			

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

% MOISTURE

Date Analyzed: 1-29&2-2-15

Client ID	Lab ID	% Moisture
B6-2.5	01-203-01	10
B6-8.5	01-203-03	15
B6-11.5	01-203-04	11
B7-5.0	01-203-07	11
B7-8.0	01-203-09	20
B8-5.5	01-203-12	18
B9-5.0	01-203-15	10
B9-7.5	01-203-16	16

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

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-napthalene) 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 method 8260C, 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

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

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: 1295-001
Project Name: ENDOLYNE GARDEN APARTMENTS
Project Manager: TAD CLINE
Sampled by: Ken Scott

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: 01-203

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	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 LEAD	TCLP Metals	HEM (oil and grease) 1664A	MTBE, EDB, EDC				% Moisture
1	B6-2.5	1/27/15	935	S	2		X																			X
2	B6-6.5		940	S	2																					
3	B6-8.5		945	S	2		X																			X
4	B6-11.5		950	S	2		X																			X
5	B6-012715-GW		1000	W	5 ~~3~~		X														X					
6	B7-2.0		1020	S	2																					
7	B7-5.0		1030	S	2		X																			X
8	B7-6.0		1040	S	2																					
9	B7-8.0		1050	S	2		X												X		X					X
10	B8-2.0	↓	1105	S	~~2~~																					

	Signature	Company	Date	Time
Relinquished	Ken Scott	FARALLON	1/27/15	1500
Received		ORE	1/28/15	1210
Relinquished				
Received				
Relinquished				
Received				

Comments/Special Instructions
The dissolved metal sample not field filtered. Please filter ASAP.

Reviewed/Date | Reviewed/Date | Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐ 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
Project Number: 1295-001
Project Name: ENDOLYNE GARDEN APARTMENTS
Project Manager: TAD CLINE
Sampled by: Ken Scott

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: 01-203

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	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 LEAD	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	MTBE, EDB, EDC					% Moisture
11	B8-5.0	1/27/15	1110	S	5																						
12	B8-5.5		1115	S	~~5~~ 2		X																				X
13	B9-1.5		1145	S	~~5~~ 2																						
14	B9-2.0		1150	S	~~5~~ 2																						
15	B9-5.0		1200	S	5		X																				X
16	B9-7.5	↓	1210	S	5		X											X				X					X

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished	Ken Scott	FARALLON	1/27/15	1500	See page #1.
Received		CORE	1/28/15	1210	
Relinquished					
Received					
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

TAD

RECEIVED
SEP 14 2015
Farallon Consulting, L.L.C.
Issaquah, WA

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
Northwest Regional Office • 3190 160th Ave SE • Bellevue, WA 98008-5452 • 425-649-7000
711 for Washington Relay Service • Persons with a speech disability can call 877-833-6341

August 18, 2015

Mr. Steve Lazoff
Endolyne Gardens, LLC
2143 N. Northlake Way, #C-1
Seattle, WA 98103

Re: Opinion Pursuant to WAC 173-340-515(5) on Proposed Remedial Action for the Following Hazardous Waste Site:

- **Name:** 45th Avenue SW Apartments
- **Address:** 9212 45th Avenue SW, Seattle, WA
- **Facility/Site No.:** 71883959
- **VCP No.:** NW2809
- **Cleanup Site ID No.:** 10264

Dear Mr. Lazoff:

Thank you for submitting documents regarding your proposed remedial action for the **45th Avenue SW Apartments** facility (Site) for review by the Washington State Department of Ecology (Ecology) under the Voluntary Cleanup Program (VCP). Ecology appreciates your initiative in pursuing this administrative option for cleaning up hazardous waste sites under the Model Toxics Control Act (MTCA), Chapter 70.105D RCW.

This letter constitutes an advisory opinion regarding a review of submitted documents/reports pursuant to requirements of MTCA and its implementing regulations, Chapter 70.105D RCW and Chapter 173-340 WAC, for characterizing and addressing the following releases at the Site:

- Total gasoline-range petroleum hydrocarbons (TPHg), total oil-range petroleum hydrocarbons (TPHo), tetrachloroethylene (PCE), lead, and benzene, toluene, ethylbenzene, and xylenes (BTEX) in Soil;

- TPHg, BTEX, lead and naphthalene in Ground Water.

Ecology is providing this advisory opinion under the specific authority of RCW 70.105D.030(1)(i) and WAC 173-340-515(5).

This opinion does not resolve a person's liability to the state under MTCA or protect a person from contribution claims by third parties for matters addressed by the opinion. The state does

not have the authority to settle with any person potentially liable under MTCA except in accordance with RCW 70.105D.040(4). The opinion is advisory only and not binding on Ecology.

Ecology's Toxics Cleanup Program has reviewed the following information regarding your proposed remedial actions:

1. GeoTech Consultants (GeoTech), *Removal of Underground Storage Tanks, 14-Unit Apartment Building, 9212 45th Avenue SW, Permit No. 645073, Seattle, WA,* September 5, 1989.

2. GeoTech, *Closure Report: Underground Storage Tanks, 14-Unit Apartment Building, 9212-45th Avenue SW, Seattle, WA,* December 5, 1989.

3. Terracon, *Phase I Environmental Site Assessment Report, Endolyne Garden, 9212 and 9214 45th Avenue SW, King County Parcel No. 234670-0000, Seattle, King County, WA* , December 9, 2013.

4. Ecology, *Opinion Letter, 45th Avenue SW Apartments, 9212 45th Avenue SW, Seattle, WA, Facility/Site No. 71883959, VCP No. NW2809, Cleanup Site ID No. 10264,* March 11, 2014.

5. Farallon Consulting, L.L.C., *Scope of Work Limited Soil Investigation, Endolyne Garden Apartments, 9212 45th Avenue SW, Seattle, WA,* July 21, 2014.

6. Ecology, *Opinion Letter, 45th Ave SW Apartments, 9212 45th Avenue SW, Seattle, WA, Facility/Site No. 71883959, VCP No. NW2809, Cleanup Site ID No. 10264,* October 10, 2014.

7. Farallon Consulting, L.L.C., *Limited Subsurface Investigation – Summary of Results, Endolyne Garden Apartments, 9212 45th Avenue SW, Seattle, WA,* May 1, 2015.

8. Farallon Consulting, L.L.C., *Summary Work Plan,* May 19, 2015.

The reports listed above will be kept in the Central Files of the Northwest Regional Office of Ecology (NWRO) for review by appointment only. Appointments can be made by calling the NWRO resource contact at (425) 649-7235 or sending an email to nwro_public_request@ecy.wa.gov.

The Site is defined by the extent of contamination caused by the following releases:

- TPHg, TPHo, PCE, lead, and BTEX in Soil;

- TPHg, BTEX, lead and naphthalene in Ground Water.

The Site is associated with King County tax parcel 2346700000 which is comprised of 0.22 acres of land at 9212 45th Avenue SW in Seattle, WA (Property). The Property is located east of 24th Avenue SW and north of SW Wildwood Place. The Property is currently in use as a 14-unit apartment complex and a restaurant. The Property was historically used as a gas station and for automotive repair from prior to 1940 to approximately 1989. Six underground storage tanks (USTs) were removed from various portions of the Property in 1989. Two of the USTs were reportedly used to store oil, and four were used to store leaded gasoline. The dispensation of the rest of the former Property structures is unknown. TPHo and BTEX were detected at concentrations above MTCA in soil samples collected during the tank removal activities, and TPHg and BTEX have been detected at concentrations above MTCA in ground water. Additional data collection has been proposed (Figure 1).

Based on a review of supporting documentation listed above, pursuant to **requirements contained in MTCA and its implementing regulations, Chapter 70.105D RCW and Chapter 173-340 WAC, for characterizing and addressing the following releases at the Site, Ecology has determined:**

- The additional proposed sampling will provide valuable information for further characterization of the Site, and to assist in characterizing the Site. However, depending on the results of this phase of investigation, additional work may need to be performed to determine the vertical and lateral extent of contamination in soil and ground water at the Site. In addition, Ecology cannot comment on the data quality objectives, field methodology, or other aspects of the proposed work because a work plan was not provided.

- Ground water monitoring wells need to be installed at the locations of the greatest detections of COCs in ground water, as well as downgradient to determine extent. Therefore, proposed monitoring well MW-3 should be re-located so as to be adjacent to B-2 and MW-1 relocated to be adjacent to B-3. The location of MW-2 should be distant enough from MW-1 and MW-3 to assist with evaluating ground water flow direction. Once the flow direction is determined, additional wells will likely be needed to determine the extent of impacted ground water away from and downgradient of the source areas near B-2 and B-3.

  As noted in Ecology's October 10, 2014, letter, all ground water samples collected at the Site should be analyzed for TPHg, TPHo, and TPHd, with appropriate follow-up analysis according to Table 830-1 of the MTCA regulation and following the requirements of Table 7.2, page 95, in the ***Guidance for the Remediation of Petroleum Contaminated Sites*** issued by Ecology as Publication No. 10-09-057, September 2011. Because PCE was detected in a soil sample, all ground water samples collected at the Site should be sampled for volatile organic compounds (VOCs) until PCE can be shown to not be a COC for ground water at the Site.

MTCA Method A cleanup levels may not be appropriate for this Site. Because Fauntleroy Creek runs through the Site, cleanup levels must consider the ground water to surface water pathway. A thorough evaluation of Applicable or Relevant and Appropriate Requirements (ARARs), potential exposure pathways and receptors and potential cleanup levels (including surface water) needs to be performed for the Site. In addition, a Terrestrial Ecological Evaluation (TEE) per WAC 173-340-7490 is needed to determine if cleanup levels that are protective of terrestrial species are applicable to the Site. A TEE form can be found at http://www.ecy.wa.gov/programs/tcp/vcp/vcp2008/vcpForms.html. All exposure pathways must be considered, and cleanup levels developed to be protective of these pathways. Method B cleanup levels for direct contact are not appropriate for this Site because of the presence of ground and surface water beneath and adjacent to the Site.

- Upon completion of the proposed activities, a Remedial Investigation (RI) report that summarizes all data from current and previous investigations and discusses the nature and extent of contamination in all media must be provided. The RI must provide:

    - Summaries of the former Site uses that could have resulted in releases, including history and locations of tanks and service areas in text and on figures.

    - Plan-view graphics and cross-sections showing the extent of Site contamination relative to current and former Site features, parcel boundaries, Site geology, subsurface utilities, and points of compliance.

    - A complete description and interpretation of geologic and hydrogeologic conditions for and in the vicinity of the Site.

    - All boring logs discussed with the RI evaluation and appended to the RI.

    - Summary tables presenting all compounds that have been detected in each media throughout the history of the Site, and the proposed cleanup level for each compound.

An annotated outline of an RI Report is presented in **Enclosure A** to provide an understanding of Ecology's expectations for conducting and documenting the RI.

This opinion does not represent a determination by Ecology that a proposed remedial action will be sufficient to characterize and address the specified contamination at the Site or that no further remedial action will be required at the Site upon completion of the proposed remedial action. To obtain either of these opinions, you must submit appropriate documentation to Ecology and request such an opinion under the VCP. **This letter also does**

not provide an opinion regarding the sufficiency of any other remedial action proposed for or conducted at the Site.

Please note that this opinion is based solely on the information contained in the documents listed above. Therefore, if any of the information contained in those documents is materially false or misleading, then this opinion will automatically be rendered null and void.

The state, Ecology, and its officers and employees make no guarantees or assurances by providing this opinion, and no cause of action against the state, Ecology, its officers or employees may arise from any act or omission in providing this opinion.

Again, Ecology appreciates your initiative in conducting independent remedial action and requesting technical consultation under the VCP. As the cleanup of the Site progresses, you may request additional consultative services under the VCP, including assistance in identifying applicable regulatory requirements and opinions regarding whether remedial actions proposed for or conducted at the Site meet those requirements.

If you have any questions regarding this opinion, please contact me at (425) 649-7257 or by email at masa461@ecy.wa.gov.

Sincerely,

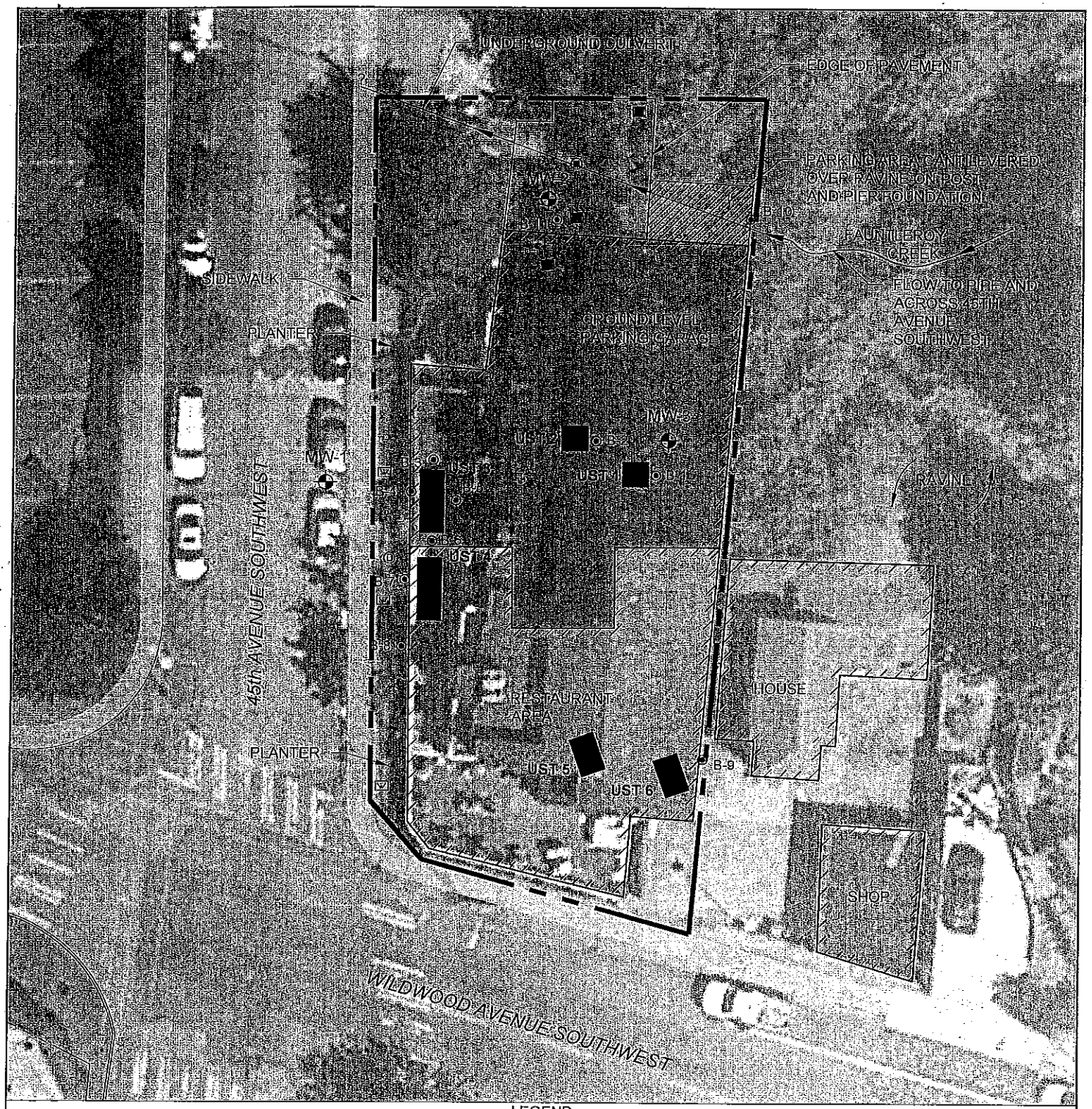
Maureen Sanchez
Site Manager
Toxics Cleanup Program

Enclosures: A: Site Diagram
B: Remedial Investigation Outline

cc: Thaddeus Cline, Farallon Consulting, L.L.C., Inc. ✓
Sonia Fernandez, VCP Coordinator, Ecology

Enclosure A

Site Diagram



LEGEND

- B-13 ◉ PROPOSED RECONNAISSANCE SOIL BORING
- B-3 ◉ BORING LOCATION WITH RECONNAISSANCE GROUNDWATER SAMPLE
- B-1 ◉ BORING LOCATION
- ■ CATCH BASIN
- ◉ MANHOLE
- ☑ WATER METER
- Ⓓ DRAIN
- PROPERTY BOUNDARY
- BUILDING FOOTPRINT
- MW-1 ⊕ PROPOSED MONITORING WELL
- FORMER UNDERGROUND STORAGE TANK
- PARKING GARAGE

ALL LOCATIONS ARE APPROXIMATE

N

0 30
Scale in feet

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Quality Service for Environmental Solutions | farallonconsulting.com

Washington
Issaquah | Bellingham | Seattle

Oregon
Portland | Bend

California
Oakland | Sacramento | Irvine

FIGURE 1

PROPERTY PLAN
ENDOLYNE GARDEN APARTMENTS
9212 45TH AVENUE SOUTHWEST
SEATTLE, WASHINGTON

FARALLON PN: 1295-001

Drawn By: DJR | Checked By: DEW | Date: 5/11/2015 | Disk Reference: 1295-001_00

Enclosure B

Remedial Investigation Outline

DEPARTMENT OF ECOLOGY
NORTHWEST REGIONAL OFFICE
REMEDIAL INVESTIGATION OUTLINE
MTCA VCP SITES

The following annotated outline is a suggested schematic for elements to be included in a Remedial Investigation report. It is not intended to replace MTCA's specific requirements as presented in 173-340-350(7) WAC.

The main purpose of the outline is to facilitate the preparation of a document that is clear, comprehensive, and to the point. A secondary, but important, purpose is to make document preparation and review more efficient.

INTRODUCTION *(Concise, bulleted if possible)*

- **Site name, VCP number, Name, address, and phone number of project consultant, Current owner/operator**
- **Purpose of document** *(very brief restatement of what an RI is for, reference the WAC)*

SITE IDENTIFICATION AND LOCATION *(Focus on defining the site in the context of its location)*

- **Site discovery and regulatory status** *(describe how the site was identified and where it is in the MTCA process)*
- **Site and property location/definition** *(define actual MTCA site location relative to property or study area)*
- **Neighborhood setting**

Figure – Vicinity Map *(preferably with topography)*
Figure – Property/Site Map *(preferably with topography)*

Appendix – Legal description of property, present owner and operator, chronological listing of past owners and operators

ENVIRONMENTAL INVESTIGATION/INTERIM ACTION SUMMARY *(Concise summary presentation of the investigations that have been done at the site, along with prior remedial actions. Focused mostly on figures and tables. Details of and methods used in former investigations and remediation in appendices)*

- **Constituents of Concern** *(brief discussion about which specific compounds were chosen for analysis and why)*
- **Soil**
- **Surface water**
- **Ground water**
- **Sediment**
- **Air/soil vapor**

- **Natural resources/wildlife**
- **Cultural history/archeology**
- **Interim actions** *(brief intro to prior remediation activities)*

Figure – Soil investigation data points *(show potential source areas)*
Figure – Surface water/groundwater investigation data points *(show potential source areas)*
Figure – Air investigation data points *(show potential source areas)*
Figure – Prior remediation activities

Table – Exploration Summary
Table – Analytical Schedule per media *(include analytical methods and reporting limits, as possible)*

Appendix – Previous Investigations *(detailed discussion goes here)*
Appendix - Exploration and sampling methodology *(may combine with Previous Investigations)*
Appendix – Boring / Well logs
Appendix - Prior Interim Actions

PROPERTY DEVELOPMENT AND HISTORY *(This section focuses on the built environment, both current and historical, and presents the sources of contamination and release mechanisms.)*

- **Past site uses and facilities**
- **Current site use and facilities**
- **Proposed or potential future site uses**
- **Zoning** *(if appropriate)*
- **Transportation/roads**
- **Utilities, water supply**
- **Potential sources of site contamination**
- **Potential sources of contamination from neighboring properties** *(discuss nearby sources if known)*

Figure – Historical site features *(may be combined with Figure 2)*
Figure – Potential contaminant sources
Figure – Utilities *(may be combined with Figure 2)*

Table – Potential Contaminants

NATURAL CONDITIONS

- **Physiographic setting/topography**
- **Geology** *(focus on interpretation)*

- Regional Setting *(brief)*
- Property Geologic Conditions *(synthesis, not a copy of boring logs, provide cross sections)*
- Physical Properties *(unlikely to need this section, but in some cases may be useful to present data on soil adsorptive capacity, organic content, strength, etc.)*

Figure – Plan view of geologic unit distribution *(if helpful)*
Figure – Cross section A-A' *(show borings, wells, screened intervals, water levels)*
Figure – Cross section B-B' *(if necessary)*

- **Surface Water** *(brief description of the surface water system)*

  - Property drainage
  - Area surface water/floodplain issues
  - Regulatory classifications, if any *(e.g. surface water classification)*

Figure – Surface water Conditions *(only if information not already in a prior figure)*

- **Ground Water** *(focus on interpretation, show on cross sections)*

  - Occurrence *(aquifers, water levels, confinement, geometry, continuity, physical properties)*
  - Movement *(directions, gradient if important, seasonal fluctuations, tidal influence)*
  - Discharge
  - Recharge *(if significant for site)*
  - Regulatory classifications, if any *(e.g. sole source aquifer)*

Figure – Cross section with ground water information *(if not already included above)*
Figure – Water table/potentiometric surface maps *(for various seasons or tidal conditions, show surface water)*

Appendix – Ground water elevation data *(a table)*

- **Natural Resources and Ecological Receptors** *(preparatory to a Terrestrial Ecological Evaluation)*

  - Greenbelts and other natural habitat
  - Wildlife
  - Other Information required to conduct evaluations under WAC 173-340 -7491, -7492, or if necessary -7493

Figure – showing natural areas, as appropriate

CONTAMINANT OCCURRENCE AND MOVEMENT *(Very little text, mostly figures and tables, main point is to provide easy-to-understand figures showing the depth and breadth of contamination.)*

- **Waste Material** *(sludges, fluids, stockpiles)*
- **Soil**
- **Surface Water**
- **Ground Water**
- **Sediment**
- **Air/Soil Vapor**

Figures – Cross sections showing soil contamination with depth
Figures – Plan views showing soil contamination across site *(relative to releases if known)*
Figures – Cross section showing ground water contamination with depth *(if appropriate)*
Figures – Plan views showing ground water contamination in each aquifer *(relative to soil contamination and P-head map)*
Figures – XY plots of specific contaminants with time *(as appropriate)*
Figures – Others as appropriate to show the distribution of surface water, ground water, or air data

Tables – All of the analytical data against final cleanup levels *(exceedances highlighted, no need to develop screening levels)*
Tables – Summary of exceedances *(if helpful)*

Appendix – QA report
Appendix – Analytical lab reports

CONCEPTUAL MODEL *(Putting the whole story together, graphic illustrations are best.)*

- **Contaminant release/fate and transport/potential or actual receptors**
- **Data gaps** (*is anything missing)*

CLEANUP STANDARDS *(Developing appropriate cleanup standards based on receptors and pathways.)*

- **Soil**
  - Reasonable maximum exposure
  - Cleanup levels protective of direct contact, ground water, inhalation, terrestrial species, surface water, sediment
  - Points of compliance
  - Regulatory classifications *(classification of soil as dangerous or solid waste)*

- **Ground Water**
    - Highest beneficial use/reasonable maximum exposure
    - Cleanup levels protective of potable use, inhalation, surface water, sediment
    - Points of compliance

- **Other Media as appropriate**
    - Cleanup levels protective of ….
    - Points of compliance

Table – Cleanup Levels *(all potentially applicable values with final selected cleanup level noted)*

AREAS REQUIRING CLEANUP *(The final story detailing where the contamination exceeds an applicable cleanup standard, brief text, mostly tables, figures.)*

- **Constituents of Concern** *(a brief summary of compounds that exceed cleanup levels or "indicator hazardous substances" under MTCA. For most service station sites, the COCs should be the same)*
- **Soil – vertical and lateral**
- **Ground water – vertical and lateral**
- **Sediment**
- **Surface Water**
- **Soil Vapor/air**

Figures – Plan view and vertical sections of areas requiring cleanup

REFERENCES

Revised 8/21/14

ATTACHMENT A
BORING LOGS

LIMITED SUBSURFACE INVESTIGATION
SUMMARY OF RESULTS
Endolyne Garden Apartments
9212 45th Avenue Southwest
Seattle, Washington

Farallon PN: 1295-001

FARALLON CONSULTING

Log of Boring: B1

Client: Endolyne Apartments LLC
Project: Endolyne Garden Apartments
Location: Seattle, WA
Farallon PN: 1295-001
Logged By: Ken Scott

Date/Time Started:	1/26/15 @ 1130	**Sampler Type:**	2' macrocore
Date/Time Completed:	1/26/15 @ 1205	**Drive Hammer (lbs.):**	Autohammer
Equipment:	Kubota 9600P	**Depth of Water ATD (ft bgs):**	4.1'
Drilling Company:	ESN Drilling	**Total Boring Depth (ft bgs):**	6.0'
Drilling Foreman:	Richard Bates	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Direct-push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.6': Concrete (100% concrete), white.	CO							Concrete
		0.6-1.5': Silty SAND (80% sand, 20% silt), fine to medium sand, tan, moist, no odor, no sheen.	SM		60	NA	4.4	B1-1.0		
		1.5-2.0:' No Recovery								
		2.0-3.6': Silty SAND (80% sand, 20% silt), fine to medium sand, tan, moist, no odor, no sheen.	SM		65	NA	2.4	B1-3.0	X	Bentonite
		3.6-4.0:' No Recovery								
		4.0-4.3:': Well-graded GRAVEL with sand (70% gravel, 25% sand, 5% silt), fine to coarse gravel, fine to medium sand, brown, wet, no odor, no sheen.	GW				1.1	B1-4.0	X	⧖ Water Level
		4.3-6.0:' No Recovery								
5					5	NA				

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite		**Y:** NA

FARALLON CONSULTING

Log of Boring: B2

Client: Endolyne Apartments LLC
Project: Endolyne Garden Apartments
Location: Seattle, WA

Farallon PN: 1295-001

Logged By: Ken Scott

Date/Time Started:	1/26/15 @ 1210	**Sampler Type:**	2' macrocore
Date/Time Completed:	1/26/15 @ 1320	**Drive Hammer (lbs.):**	Autohammer
Equipment:	Kubota 9600P	**Depth of Water ATD (ft bgs):**	6.5'
Drilling Company:	ESN Drilling	**Total Boring Depth (ft bgs):**	10.0'
Drilling Foreman:	Richard Bates	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Direct-push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-0.3': Concrete (100% concrete), white.	CO					
		0.3-2.0:' No Recovery		0	NA			
		2.0-2.8': Sandy SILT (60% silt, 40% sand), fine to medium sand, reddish-brown, moist, no odor, no sheen.	ML			0.0	B2-2.5	
		2.8-4.0:' No Recovery		85	NA			
		4.0-5.3': Silty SAND (80% sand, 20% silt), fine to medium sand, brown, moist, no odor, no sheen.	SM			0.2	B2-4.5	
5		5.3-6.0:' No Recovery		65	NA			
		6.0-6.5': SILT (100% silt), tan, moist, no odor, no sheen.	ML			0.4	B2-6.0	X
		6.5-7.5': Silty SAND (75% sand, 25% silt), fine sand, brown, wet, no odor, no sheen.	SM	75	NA			
		7.5-8.0:' No Recovery						
		8.0-8.5': SILT (100% silt), grey, wet, no odor, no sheen.	ML					
		8.5-10.0': Silty SAND (80% sand, 20% silt), fine to medium sand, brown, wet, no odor, no sheen.	SM	100	NA		B2-012615-GW	X
10						0.2	B2-9.5	X

Boring/Well Construction Details: Concrete; Water Level; Bentonite

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	0.010	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	5 to 10'	**Boring Abandonment:**	Bentonite		**Y:** NA

FARALLON CONSULTING

Log of Boring: B3

Client: Endolyne Apartments LLC
Project: Endolyne Garden Apartments
Location: Seattle, WA

Farallon PN: 1295-001

Logged By: Ken Scott

Date/Time Started:	1/26/15 @ 1455	**Sampler Type:**	4' macrocore
Date/Time Completed:	1/26/15 @ 1605	**Drive Hammer (lbs.):**	Autohammer
Equipment:	Kubota 9600P	**Depth of Water ATD (ft bgs):**	12.0'
Drilling Company:	ESN Drilling	**Total Boring Depth (ft bgs):**	16.0'
Drilling Foreman:	Richard Bates	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Direct-push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.6': Beauty Bark (100% bark), brown.	WD							Silty SAND
		0.6-3.3': Silty SAND (80% sand, 20% silt), fine to medium sand, tan, moist, no odor, no sheen.	SM		80	NA	0.2	B3-3.0		
		3.3-4.0:' No Recovery								
5		4.0-6.9': Silty SAND with gravel (65% sand, 20% silt, 15% gravel), fine to medium sand, fine to coarse gravel, brown, moist, no odor, no sheen.	SM			NA	0.2	B3-6.5		
		6.9-8.0:' No Recovery			80					
		8.0-8.6': Silty SAND with gravel (60% sand, 25% silt, 15% gravel), fine to medium sand, fine to coarse gravel, grey, moist, no odor, no sheen.	SM				0.6	B3-8.5		
			ML							
10		8.6-9.6': SILT (100% silt), grey, moist, no odor, no sheen.	SM		100	NA				Bentonite
		9.6-12.0': Silty SAND with gravel (65% sand, 20% silt, 15% gravel), fine to medium sand, fine to coarse gravel, grey, moist to wet @ 12.0-feet bgs, petroleum-like odor, no sheen.					23.6	B3-11.5	X	▽ Water Level
		12.0-12.6': Silty SAND with gravel (65% sand, 20% silt, 15% gravel), fine to medium sand, fine to coarse gravel, grey, wet, petroleum-like odor, no sheen.	SM							
			ML					B3-012615-GW	X	
		12.6-16.0': SILT (100% silt), grey with orange mottling @ 15-feet bgs, moist, no odor, no sheen.			100	NA				
15							0.4	B3-15.5	X	

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	10 to 15'	**Boring Abandonment:**	Bentonite		**Y:** NA

FARALLON CONSULTING

Log of Boring: B4

Client: Endolyne Apartments LLC
Project: Endolyne Garden Apartments
Location: Seattle, WA

Farallon PN: 1295-001

Logged By: Ken Scott

Date/Time Started:	1/26/15 @ 1610	**Sampler Type:**	4' macrocore
Date/Time Completed:	1/26/15 @ 1725	**Drive Hammer (lbs.):**	Autohammer
Equipment:	Kubota 9600P	**Depth of Water ATD (ft bgs):**	9.5'
Drilling Company:	ESN Drilling	**Total Boring Depth (ft bgs):**	12.0'
Drilling Foreman:	Richard Bates	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Direct-push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.6': Beauty Bark (100% bark), brown.	WD							Silty SAND
		0.6-0.8': Silty SAND (70% sand, 30% silt), fine to medium sand, tan, moist, no odor, no sheen.	SM							
		0.8-4.0:' No Recovery			<5	NA	0.6			
		4.0-7.2': Silty SAND (70% sand, 30% silt), fine to medium sand, brown, moist, no odor, no sheen.	SM							
5					80	NA	2.1	B4-6.5		Bentonite
		7.2-8.0:' No Recovery								
		8.0-9.0': SILT (100% silt), brown, moist, no odor, no sheen.	ML							
		9.0-10.5': Silty SAND with gravel (65% sand, 15% silt, 20% gravel), fine to medium sand, fine to coarse gravel, brown, moist to wet @ 9.5-feet bgs, no odor, no sheen.	SM				1.4	B4-9.5	X	▽ Water Level
10					100	NA				
		10.5-12.0': SILT (100% silt), grey, moist, no odor, no sheen.	ML					B4-012615-GW	X	
							0.2	B4-12.0	X	

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	7 to 12'	**Boring Abandonment:**	Bentonite		**Y:** NA

FARALLON CONSULTING

Log of Boring: B5

Client: Endolyne Apartments LLC
Project: Endolyne Garden Apartments
Location: Seattle, WA

Farallon PN: 1295-001

Logged By: Ken Scott

Date/Time Started:	1/26/15 @ 1330	**Sampler Type:**	2' macrocore
Date/Time Completed:	1/26/15 @ 1405	**Drive Hammer (lbs.):**	Autohammer
Equipment:	Kubota 9600P	**Depth of Water ATD (ft bgs):**	NE
Drilling Company:	ESN Drilling	**Total Boring Depth (ft bgs):**	8.0'
Drilling Foreman:	Richard Bates	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Direct-push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.6': Concrete (100% concrete), white.	CO							Concrete
		0.6-1.2': Silty SAND (75% sand, 25% silt), fine to medium sand, tan, moist, no odor, no sheen.	SM		45	NA	1.2	B5-1.0		
		1.2-2.0:' No Recovery								
		2.0-3.7': Silty SAND (75% sand, 25% silt), fine to medium sand, brown, moist, no odor, no sheen.	SM		75	NA	0.8	B5-3.0		
		3.7-4.0:' No Recovery								
5		4.0-5.7': Silty SAND (75% sand, 25% silt), fine to medium sand, brown, moist, no odor, no sheen.	SM		75	NA	0.8	B5-5.0	X	
		5.7-6.0:' No Recovery								Bentonite
		6.0-7.3': Sandy SILT (60% silt, 40% sand), fine sand, brown, moist, no odor, no sheen.	ML		65	NA	0.1	B5-7.0	X	
		7.3-8.0:' No Recovery								

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: Concrete
Annular Seal: NA
Boring Abandonment: Bentonite

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

FARALLON CONSULTING

Log of Boring: B6

Client: Endolyne Apartments LLC
Project: Endolyne Garden Apartments
Location: Seattle, WA

Farallon PN: 1295-001

Logged By: Ken Scott

Date/Time Started:	1/27/15 @ 0930	**Sampler Type:**	4' macrocore
Date/Time Completed:	1/27/15 @ 1010	**Drive Hammer (lbs.):**	Autohammer
Equipment:	Kubota 9600P	**Depth of Water ATD (ft bgs):**	9.0'
Drilling Company:	ESN Drilling	**Total Boring Depth (ft bgs):**	12.0'
Drilling Foreman:	Richard Bates	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Direct-push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.3': Beauty Bark (100% bark), brown.	WD							Silty SAND
		0.3-0.7': Silty SAND with gravel Fill (60% sand, 20% silt, 20% gravel), fine to medium sand, fine to coarse gravel, tan, moist, no odor, no sheen.	SM / PG							
		0.7-0.9': Pea-GRAVEL Fill (100% pea-gravel), coarse gravel, fine to coarse gravel, grey, moist, no odor, no sheen.	SM		75	NA				
		0.9-3.1': Silty SAND (70% sand, 30% silt), fine to medium sand, brown, moist, no odor, no sheen.					1.2	B6-2.5	X	
		3.1-4.0:' No Recovery								
		4.0-5.1': Sandy SILT (60% silt, 40% sand), fine to medium sand, brown, moist, no odor, no sheen.	ML							
5		5.1-6.1': Silty SAND (80% sand, 20% silt), fine to coarse sand, brown, moist, no odor, no sheen.	SM							
		6.1-6.8': SILT (95% silt, 5% sand), fine sand, brown, slight wet, no odor, no sheen.	ML		85	NA	1.0	B6-6.5		Bentonite
		6.8-8.0:' No Recovery								
		8.0-8.5': Silty SAND (80% sand, 20% silt), fine sand, brown, slight wet, no odor, no sheen.	SM				0.8	B6-8.5	X	
		8.5-9.8': Silty SAND with gravel (60% sand, 25% silt, 15% gravel), fine to medium sand, fine to coarse gravel, brown, wet, no odor, no sheen.	SM							Water Level
10		9.8-12.0': SILT (100% silt), grey, moist, no odor, no sheen.	ML		100	NA		B6-012715-GW	X	
								B6-11.5	X	
							0.3			

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	7 to 12'	**Boring Abandonment:**	Bentonite		**Y:** NA

FARALLON CONSULTING

Log of Boring: B7

Client: Endolyne Apartments LLC
Project: Endolyne Garden Apartments
Location: Seattle, WA

Farallon PN: 1295-001

Logged By: Ken Scott

Date/Time Started:	1/27/15 @ 1015	**Sampler Type:**	2' macrocore
Date/Time Completed:	1/27/15 @ 1055	**Drive Hammer (lbs.):**	Rotohammer
Equipment:	Push probe	**Depth of Water ATD (ft bgs):**	NE
Drilling Company:	ESN Drilling	**Total Boring Depth (ft bgs):**	10.0'
Drilling Foreman:	Richard Bates	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Direct-push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-0.3': Beauty Bark (100% bark), brown.	WD					
		0.3-0.9': Silty SAND with gravel Fill (60% sand, 20% silt, 20% gravel), fine to medium sand, fine to coarse gravel, tan, moist, no odor, no sheen. Subround grey gravel.	SM					
		0.9-4.0': Silty SAND (70% sand, 30% silt), fine to medium sand, brown, moist, no odor, no sheen.	SM	100	NA	0.3	B7-2.0	
5		4.0-5.4': Silty SAND (70% sand, 30% silt), fine to medium sand, brown, moist, no odor, no sheen.	SM	65	NA	0.2	B7-5.0	X
		5.4-6.0:' No Recovery						
		6.0-6.3': Silty SAND (70% sand, 30% silt), fine to medium sand, brown, moist, no odor, no sheen.	SM			0.5	B7-6.0	
		6.3-8.0:' No Recovery		15	NA			
		8.0-8.4': Sandy SILT (60% silt, 40% sand), fine sand, grey, moist, no odor, no sheen.	ML			0.3	B7-8.0	X
		8.4-10.0:' No Recovery		20	NA			
10								

Boring/Well Construction Details: Silty SAND; Bentonite

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite		**Y:** NA

FARALLON CONSULTING

Log of Boring: B8

Client: Endolyne Apartments LLC
Project: Endolyne Garden Apartments
Location: Seattle, WA

Farallon PN: 1295-001

Logged By: Ken Scott

Date/Time Started:	1/27/15 @ 1100	**Sampler Type:**	Hand auger
Date/Time Completed:	1/27/15 @ 1120	**Drive Hammer (lbs.):**	NA
Equipment:	Hand auger	**Depth of Water ATD (ft bgs):**	NE
Drilling Company:	ESN Drilling	**Total Boring Depth (ft bgs):**	6.0'
Drilling Foreman:	Richard Bates	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Hand auger		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.3': Beauty Bark (100% bark), brown.	WD							
		0.3-0.9': Silty SAND with gravel Fill (60% sand, 20% silt, 20% gravel), fine to medium sand, fine to coarse gravel, brown, moist, no odor, no sheen. 2-inch subround grey gravel between 5 to 6-feet bgs. Observe PVC pipe at 6-feet bgs, stop hand augering.	SM							Silty SAND
							0.4	B8-2.0		
					100	NA				Bentonite
5							0.3	B8-5.0		
							0.2	B8-5.5	X	

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite		**Y:** NA

FARALLON CONSULTING

Log of Boring: B9

Client: Endolyne Apartments LLC
Project: Endolyne Garden Apartments
Location: Seattle, WA

Farallon PN: 1295-001

Logged By: Ken Scott

Date/Time Started:	1/27/15 @ 1140	**Sampler Type:**	2' macrocore
Date/Time Completed:	1/27/15 @ 1215	**Drive Hammer (lbs.):**	Rotohammer
Equipment:	Push probe	**Depth of Water ATD (ft bgs):**	NE
Drilling Company:	ESN Drilling	**Total Boring Depth (ft bgs):**	8.0'
Drilling Foreman:	Richard Bates	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Direct-push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-1.8': Silty SAND with gravel Fill (60% sand, 20% silt, 20% gravel), fine to medium sand, fine to coarse gravel, tan, moist, no odor, no sheen. Subround grey gravel.	SM		90	NA	0.2	B9-1.5		Silty SAND
		1.8-2.0:' No Recovery					0.0	B9-2.0		
		2.0-2.7': Silty SAND (70% sand, 30% silt), fine to medium sand, brown, moist, no odor, no sheen.	SM							
		2.7-4.0:' No Recovery			35	NA				
		4.0-5.1': Silty SAND (70% sand, 30% silt), fine to medium sand, brown, moist, no odor, no sheen.	SM							
5		5.1-6.0': Poorly graded SAND (95% sand, 5% silt), fine to medium sand, light-brown, moist, no odor, no sheen.	SP		100	NA	0.0	B9-5.0	X	
		6.0-7.8': Silty SAND (80% sand, 15% silt, 5% gravel), fine to medium sand, fine gravel, light-brown, moist, no odor, no sheen.	SM		100	NA	0.0	B9-7.5	X	Bentonite
		7.8-8.0': Sandy SILT (60% silt, 40% sand), fine sand, brown with orange mottling, moist, no odor, no sheen.	ML							

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite		**Y:** NA

FARALLON CONSULTING

Log of Boring: B10

Client: Endolyne Apartments LLC
Project: Endolyne Garden Apartments
Location: Seattle, WA

Farallon PN: 1295-001

Logged By: Ken Scott

Date/Time Started:	1/26/15 @ 1020	**Sampler Type:**	Hand auger
Date/Time Completed:	1/26/15 @ 1035	**Drive Hammer (lbs.):**	NA
Equipment:	Hand Auger	**Depth of Water ATD (ft bgs):**	NE
Drilling Company:	ESN Drilling	**Total Boring Depth (ft bgs):**	1.5"
Drilling Foreman:	Richard Bates	**Total Well Depth (ft bgs):**	NA
Drilling Method:	NA		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.8': Silty SAND (80% sand, 20% silt), fine sand, brown, moist, no odor, no sheen.	SM		100	NA	4.4	B10-0.5		Silty SAND
		0.8-1.5': Sandy SILT (60% silt, 40% sand), fine sand, brown, moist, no odor, no sheen.	ML		100	NA	2.8	B10-1.5	X	Bentonite
5										

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Soil	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite		**Y:** NA

FARALLON CONSULTING

Log of Boring: B11

Client: Endolyne Apartments LLC
Project: Endolyne Garden Apartments
Location: Seattle, WA

Farallon PN: 1295-001

Logged By: Ken Scott

Date/Time Started:	1/26/15 @ 1415	**Sampler Type:**	4' macrocore
Date/Time Completed:	1/26/15 @ 1445	**Drive Hammer (lbs.):**	Autohammer
Equipment:	Kubota 9600P	**Depth of Water ATD (ft bgs):**	NE
Drilling Company:	ESN Drilling	**Total Boring Depth (ft bgs):**	12.0'
Drilling Foreman:	Richard Bates	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Direct-push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.6': Concrete (100% concrete), white.	CO							Concrete
		0.6-1.1': Sandy SILT (60% silt, 40% sand), fine sand, tan, moist, no odor, no sheen.	ML							
		1.1-3.2': Silty SAND with gravel fill (60% sand, 25% silt, 15% gravel), fine to medium sand, fine to coarse gravel, brown, moist, no odor, no sheen. Subround grey gravel.	SM		75	NA	1.0	B11-3.0		
		3.2-4.0:' No Recovery								
5		4.0-4.6': Silty SAND with gravel fill (60% sand, 20% silt, 20% gravel), fine to medium sand, fine to coarse gravel, brown, moist, no odor, no sheen. Subangular black gravel.	SM				0.2			
		4.6-8.0:' No Recovery			15	NA				
		8.0-8.8': Sandy SILT (60% silt, 40% sand), fine sand, brown, moist, no odor, no sheen.	ML							
		8.8-9.1:': Well-graded GRAVEL (90% gravel, 5% sand, 5% silt), fine to coarse gravel, fine to medium sand, black, moist, no odor, no sheen.	GW							
10		9.1-11.1': Sandy SILT with gravel (50% silt, 35% sand, 15% gravel), fine to coarse sand, fine to coarse gravel, brown, moist, no odor, no sheen. Subround grey gravel.	ML		80	NA				Bentonite
		11.1-12.0:' No Recovery					0.1	B11-11.0	X	

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite		**Y:** NA

Log of Boring: FMW-1

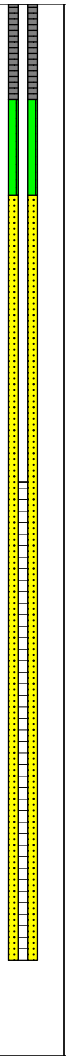
Client: Mr. Steve Lazoff
Project: Endolyne Gardens
Location: 9212 45th Avenue Southwest

Farallon PN: 1295-001

Logged By: A. Sigel

Date/Time Started:	3/8/2016 @ 14:20	**Sampler Type:**	2' and 4' Macrocores
Date/Time Completed:	3/8/2016 @ 14:45	**Drive Hammer (lbs.):**	Auto
Equipment:	LA 302	**Depth of Water ATD (ft bgs):**	8.5
Drilling Company:	ESN	**Total Boring Depth (ft bgs):**	10
Drilling Foreman:	Rich Bates	**Total Well Depth (ft bgs):**	10
Drilling Method:	Direct Push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-2.0': Cleared with post digger. Silty sand, brown, no odor, no stain.	SM					
		2.0-3.0': Silty SAND (60% sand, 35% silt, 5% gravel), fine to coarse sand, fine to coarse gravel, brown, moist, no odor, no stain.	SM			2.8	MW1-2.0-030816 @ 14:25	
		3.0-4.0': No Recovery.		50	NA			
		4.0-5.1': Silty SAND (60% sand, 35% silt, 5% gravel), fine to coarse sand, fine to coarse gravel, brown, moist, no odor, no stain.	SM			0.6	MW1-4.5-030816 @ 14:30	x
5		5.1-8.0': No Recovery.		28	NA			
		8.0-8.5': Silty SAND (60% sand, 35% silt, 5% gravel), fine to coarse sand, fine to coarse gravel, brown, moist to wet at 8.5', no odor, no stain.	SM					
		8.5-9.5': SILT (90% silt, 10% gravel), fine sand, brown, moist, no odor, no stain.	ML	75		3.5	MW1-8.5-030816 @ 14:40	x
10		9.5-10.0': No Recovery. Refusal at 10.0'.			NA			



Well Construction Information

Monument Type:	Flush Mount	**Filter Pack:**	Silicon Sand 10-20	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	0.75"	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	0.010	**Annular Seal:**	Bentonite	**Surveyed Location:**	**X:**
Screened Interval (ft bgs):	5' - 10'	**Boring Abandonment:**	NA		**Y:**

Log of Boring: FMW-2

Client: Mr. Steve Lazoff
Project: Endolyne Gardens
Location: 9212 45th Avenue Southwest

Farallon PN: 1295-001

Logged By: A. Sigel

Date/Time Started:	3/8/2016 @ 09:55	**Sampler Type:**	2' and 4' Macrocores
Date/Time Completed:	3/8/2016 @ 10:45	**Drive Hammer (lbs.):**	Auto
Equipment:	LA 302	**Depth of Water ATD (ft bgs):**	8.3
Drilling Company:	ESN	**Total Boring Depth (ft bgs):**	16.0
Drilling Foreman:	Rich Bates	**Total Well Depth (ft bgs):**	15.0
Drilling Method:	Direct Push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-2.0': Cleared with post digger. Sandy silt, brown, moist, no odor, no stain.	ML							Concrete
		2.0-3.0': Silty SAND (60% sand, 35% silt, 5% gravel), medium sand, fine to medium gravel, brown, moist, no stain, no odor.	SM		65		0.3	Screen-3.5		Bentonite
		3.0-3.3': Well-graded SAND with silt and gravel (70% sand, 20% gravel, 10% silt), fine to coarse sand, fine to coarse gravel, dark brown, moist, no odor, no stain.	SW-SM							PVC
5		3.3-4.0': No Recovery.	SM			NA	1.0	MW2-4.5-030816 @ 10:00		
		4.0-4.9': Silty SAND with gravel (50% sand, 30% silt, 20% gravel), fine to coarse sand, fine to coarse gravel, brown, moist, no odor, no stain.			23					
		4.9-8.0': No Recovery.								Sand
		8.0-9.9': Sandy SILT (70% silt, 30% sand), fine sand, brown to grey at 9.3', moist to wet at 8.3' then back to moist at 8.7', no odor, no stain.	ML				0.4	MW2-8.3-030816 @ 10:10	x	▽ Water
10		9.9-12.0': No Recovery.			46	NA				Screen
		12.0-14.5': Sandy SILT (80% silt, 20% sand), fine sand, green-grey, moist, no odor, no stain.	ML				2.8	MW2-14.0-030816 @ 10:20	x	
15		14.5-16.0': No Recovery.			63	NA				

Well Construction Information

Monument Type:	Flush Mount	**Filter Pack:**	Silicon Sand 10-20	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	0.75"	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	0.010	**Annular Seal:**	Bentonite	**Surveyed Location:**	**X:**
Screened Interval (ft bgs):	5' - 15'	**Boring Abandonment:**	NA		**Y:**

Log of Boring: FMW-3

Client: Mr. Steve Lazoff
Project: Endolyne Gardens
Location: 9212 45th Avenue Southwest
Farallon PN: 1295-001
Logged By: A. Sigel

Date/Time Started:	3/8/2016 @ 11:05	**Sampler Type:**	2' and 4' Macrocores
Date/Time Completed:	3/8/2016 @ 13:45	**Drive Hammer (lbs.):**	Auto
Equipment:	LA 302	**Depth of Water ATD (ft bgs):**	9.1
Drilling Company:	ESN	**Total Boring Depth (ft bgs):**	11.0
Drilling Foreman:	Rich Bates	**Total Well Depth (ft bgs):**	11.0
Drilling Method:	Direct Push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-2.0': Cleared with post digger. Sandy silt, brown, moist, no odor, no stain.	ML							Concrete
		2.0-2.7': Sandy SILT (70% silt, 30% sand), fine sand, brown, moist, no odor, no stain.	ML				0.9	MW3-2.0-030816 @ 11:25		PVC
		2.7-4.0': No Recovery.			35	NA				Bentonite
		4.0-4.6': Sandy SILT (60% silt, 40% sand), fine sand, brown, moist, no odor, no stain.	ML				2.9	MW3-4.0-030816 @ 13:25	x	
5		4.6-8.0': No Recovery.			15	NA				
		8.0-8.2': SILT (90% silt, 10% sand), fine sand, brown, moist, no odor, no stain.	ML							Screen
		8.2-9.3': Sandy SILT (60% silt, 30% sand, 10% gravel), fine to medium sand, fine to coarse gravel, moist to wet at 9.1' back to moist at 9.3', no odor, no stain.	ML		73	NA	1.0	MW3-9.0-030816 @ 13:55	x	▽ Water
10		9.3-10.0': SILT (90% silt, 10% sand), fine sand, brown, moist, no odor, no stain.	ML							Sand
		10.0-11.0': No Recovery Refusal at 11.0'.								

Well Construction Information

Monument Type:	Flush Mount	**Filter Pack:**	Silicon Sand 10-20	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	0.75"	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	0.010	**Annular Seal:**	Bentonite	**Surveyed Location:**	**X:**
Screened Interval (ft bgs):	6'-11'	**Boring Abandonment:**	NA		**Y:**

ATTACHMENT B
LABORATORY ANALYTICAL REPORTS

LIMITED SUBSURFACE INVESTIGATION
SUMMARY OF RESULTS
Endolyne Garden Apartments
9212 45th Avenue Southwest
Seattle, Washington

Farallon PN: 1295-001

OnSite Environmental Inc.

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

February 5, 2015

Tad Cline
Farallon Consulting, LLC
Queen Anne Square East Bldg.
200 West Mercer Street, Suite 302
Seattle, WA 98119

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 1501-183

Dear Tad:

Enclosed are the analytical results and associated quality control data for samples submitted on January 27, 2015.

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

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

Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

Case Narrative

Samples were collected on January 26, 2015 and received by the laboratory on January 27, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

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

NWTPH Gx/BTEX (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Halogenated Volatiles EPA 8260C (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Low-level VOA vials containing stir bars necessary to obtain the MTCA Method A cleanup level for 1,2-Dibromoethane were not provided for sample B3-11.5. The sample was therefore extracted from a 4-ounce jar and analyzed.

PAHs EPA 8270D/SIM (soil) Analysis

A spike blank had one surrogate recovery out of control limits. This is within allowance of our standard operating procedure as long as the recovery is above 10%.

PAHs EPA 8270D/SIM (water) Analysis

Sample B2-012615-GW had one surrogate recovery out of control limits. This is within allowance of our standard operating procedure as long as the recovery is above 10%.

PCBs EPA 8082A (water) Analysis

Due to limited sample volume, B2-012615-GW was extracted from a 500 mL amber bottle preserved with HCl.

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

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

Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B5-5.0**					
Laboratory ID:	01-183-13					
Benzene	**ND**	0.020	EPA 8021B	1-28-15	1-28-15	
Toluene	**ND**	0.056	EPA 8021B	1-28-15	1-28-15	
Ethyl Benzene	**ND**	0.056	EPA 8021B	1-28-15	1-28-15	
m,p-Xylene	**ND**	0.056	EPA 8021B	1-28-15	1-28-15	
o-Xylene	**ND**	0.056	EPA 8021B	1-28-15	1-28-15	
Gasoline	**ND**	5.6	NWTPH-Gx	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*68-123*				
Client ID:	**B5-7.0**					
Laboratory ID:	01-183-14					
Benzene	**ND**	0.020	EPA 8021B	1-28-15	1-28-15	
Toluene	**ND**	0.054	EPA 8021B	1-28-15	1-28-15	
Ethyl Benzene	**ND**	0.054	EPA 8021B	1-28-15	1-28-15	
m,p-Xylene	**ND**	0.054	EPA 8021B	1-28-15	1-28-15	
o-Xylene	**ND**	0.054	EPA 8021B	1-28-15	1-28-15	
Gasoline	**ND**	5.4	NWTPH-Gx	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*92*	*68-123*				
Client ID:	**B11-11.0**					
Laboratory ID:	01-183-16					
Benzene	**ND**	0.020	EPA 8021B	1-28-15	1-28-15	
Toluene	**ND**	0.060	EPA 8021B	1-28-15	1-28-15	
Ethyl Benzene	**ND**	0.060	EPA 8021B	1-28-15	1-28-15	
m,p-Xylene	**ND**	0.060	EPA 8021B	1-28-15	1-28-15	
o-Xylene	**ND**	0.060	EPA 8021B	1-28-15	1-28-15	
Gasoline	**ND**	6.0	NWTPH-Gx	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*68-123*				

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B3-11.5**					
Laboratory ID:	01-183-20					
Benzene	**ND**	0.020	EPA 8021B	1-28-15	2-3-15	
Toluene	**ND**	0.070	EPA 8021B	1-28-15	2-3-15	
Ethyl Benzene	**0.12**	0.070	EPA 8021B	1-28-15	2-3-15	
m,p-Xylene	**0.13**	0.070	EPA 8021B	1-28-15	2-3-15	
o-Xylene	**ND**	0.070	EPA 8021B	1-28-15	2-3-15	
Gasoline	**63**	7.0	NWTPH-Gx	1-28-15	2-3-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*68-123*				
Client ID:	**B3-15.5**					
Laboratory ID:	01-183-21					
Benzene	**ND**	0.020	EPA 8021B	1-28-15	1-28-15	
Toluene	**ND**	0.070	EPA 8021B	1-28-15	1-28-15	
Ethyl Benzene	**ND**	0.070	EPA 8021B	1-28-15	1-28-15	
m,p-Xylene	**ND**	0.070	EPA 8021B	1-28-15	1-28-15	
o-Xylene	**ND**	0.070	EPA 8021B	1-28-15	1-28-15	
Gasoline	**ND**	7.0	NWTPH-Gx	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*90*	*68-123*				
Client ID:	**B4-9.5**					
Laboratory ID:	01-183-24					
Benzene	**ND**	0.020	EPA 8021B	1-28-15	1-28-15	
Toluene	**ND**	0.070	EPA 8021B	1-28-15	1-28-15	
Ethyl Benzene	**ND**	0.070	EPA 8021B	1-28-15	1-28-15	
m,p-Xylene	**ND**	0.070	EPA 8021B	1-28-15	1-28-15	
o-Xylene	**ND**	0.070	EPA 8021B	1-28-15	1-28-15	
Gasoline	**ND**	7.0	NWTPH-Gx	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*68-123*				

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B4-12.0**					
Laboratory ID:	01-183-25					
Benzene	**ND**	0.020	EPA 8021B	1-28-15	1-28-15	
Toluene	**ND**	0.061	EPA 8021B	1-28-15	1-28-15	
Ethyl Benzene	**ND**	0.061	EPA 8021B	1-28-15	1-28-15	
m,p-Xylene	**ND**	0.061	EPA 8021B	1-28-15	1-28-15	
o-Xylene	**ND**	0.061	EPA 8021B	1-28-15	1-28-15	
Gasoline	**ND**	6.1	NWTPH-Gx	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*97*	*68-123*				

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0128S1					
Benzene	**ND**	0.020	EPA 8021B	1-28-15	1-28-15	
Toluene	**ND**	0.050	EPA 8021B	1-28-15	1-28-15	
Ethyl Benzene	**ND**	0.050	EPA 8021B	1-28-15	1-28-15	
m,p-Xylene	**ND**	0.050	EPA 8021B	1-28-15	1-28-15	
o-Xylene	**ND**	0.050	EPA 8021B	1-28-15	1-28-15	
Gasoline	**ND**	5.0	NWTPH-Gx	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*68-123*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	01-183-13										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*93*	*95*	*68-123*			
SPIKE BLANKS											
Laboratory ID:	SB0128S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.890**	**0.916**	1.00	1.00		**89**	**92**	75-117	3	13	
Toluene	**0.883**	**0.908**	1.00	1.00		**88**	**91**	78-118	3	12	
Ethyl Benzene	**0.874**	**0.902**	1.00	1.00		**87**	**90**	78-118	3	12	
m,p-Xylene	**0.890**	**0.917**	1.00	1.00		**89**	**92**	78-121	3	13	
o-Xylene	**0.881**	**0.906**	1.00	1.00		**88**	**91**	77-119	3	13	
Surrogate:											
Fluorobenzene						*90*	*93*	*68-123*			

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B2-012615-GW**					
Laboratory ID:	01-183-10					
Benzene	**1.5**	1.0	EPA 8021B	1-28-15	1-28-15	
Toluene	**20**	1.0	EPA 8021B	1-28-15	1-28-15	
Ethyl Benzene	**5.2**	1.0	EPA 8021B	1-28-15	1-28-15	
m,p-Xylene	**21**	1.0	EPA 8021B	1-28-15	1-28-15	
o-Xylene	**7.7**	1.0	EPA 8021B	1-28-15	1-28-15	
Gasoline	**200**	100	NWTPH-Gx	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*91*	*71-113*				
Client ID:	**B3-012615-GW**					
Laboratory ID:	01-183-22					
Benzene	**18**	10	EPA 8021B	1-28-15	1-28-15	
Toluene	**130**	10	EPA 8021B	1-28-15	1-28-15	
Ethyl Benzene	**51**	10	EPA 8021B	1-28-15	1-28-15	
m,p-Xylene	**140**	10	EPA 8021B	1-28-15	1-28-15	
o-Xylene	**43**	10	EPA 8021B	1-28-15	1-28-15	
Gasoline	**15000**	1000	NWTPH-Gx	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*71-113*				
Client ID:	**B4-012615-GW**					
Laboratory ID:	01-183-26					
Benzene	**5.9**	1.0	EPA 8021B	1-28-15	1-28-15	
Toluene	**73**	1.0	EPA 8021B	1-28-15	1-28-15	
Ethyl Benzene	**15**	1.0	EPA 8021B	1-28-15	1-28-15	
m,p-Xylene	**69**	1.0	EPA 8021B	1-28-15	1-28-15	
o-Xylene	**25**	1.0	EPA 8021B	1-28-15	1-28-15	
Gasoline	**1900**	100	NWTPH-Gx	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*92*	*71-113*				

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0128W1					
Benzene	**ND**	1.0	EPA 8021B	1-28-15	1-28-15	
Toluene	**ND**	1.0	EPA 8021B	1-28-15	1-28-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	1-28-15	1-28-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	1-28-15	1-28-15	
o-Xylene	**ND**	1.0	EPA 8021B	1-28-15	1-28-15	
Gasoline	**ND**	100	NWTPH-Gx	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*87*	*71-113*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	01-183-10										
	ORIG	DUP									
Benzene	**1.52**	**1.50**	NA	NA		NA		NA	1	30	
Toluene	**20.3**	**20.2**	NA	NA		NA		NA	0	30	
Ethyl Benzene	**5.18**	**5.00**	NA	NA		NA		NA	4	30	
m,p-Xylene	**20.9**	**20.4**	NA	NA		NA		NA	2	30	
o-Xylene	**7.75**	**7.75**	NA	NA		NA		NA	0	30	
Gasoline	**203**	**202**	NA	NA		NA		NA	0	30	
Surrogate:											
Fluorobenzene						*91*	*91*	*71-113*			
MATRIX SPIKES											
Laboratory ID:	01-183-10										
	MS	MSD	MS	MSD		MS	MSD				
Benzene	**50.4**	**51.5**	50.0	50.0	1.52	**98**	**100**	82-120	2	14	
Toluene	**70.1**	**71.1**	50.0	50.0	20.3	**100**	**102**	83-120	1	14	
Ethyl Benzene	**53.1**	**54.3**	50.0	50.0	5.18	**96**	**98**	83-120	2	15	
m,p-Xylene	**70.7**	**71.7**	50.0	50.0	20.9	**100**	**102**	81-123	1	15	
o-Xylene	**55.2**	**56.7**	50.0	50.0	7.75	**95**	**98**	80-120	3	16	
Surrogate:											
Fluorobenzene						*97*	*97*	*71-113*			

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B10-1.5**					
Laboratory ID:	01-183-02					
Diesel Range Organics	**ND**	30	NWTPH-Dx	1-30-15	1-30-15	
Lube Oil Range Organics	**ND**	60	NWTPH-Dx	1-30-15	1-30-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*66*	*50-150*				
Client ID:	**B1-3.0**					
Laboratory ID:	01-183-04					
Diesel Range Organics	**ND**	28	NWTPH-Dx	1-30-15	1-30-15	
Lube Oil Range Organics	**ND**	56	NWTPH-Dx	1-30-15	1-30-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*88*	*50-150*				
Client ID:	**B1-4.0**					
Laboratory ID:	01-183-05					
Diesel Range Organics	**ND**	30	NWTPH-Dx	1-30-15	1-30-15	
Lube Oil Range Organics	**ND**	59	NWTPH-Dx	1-30-15	1-30-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*80*	*50-150*				
Client ID:	**B2-6.0**					
Laboratory ID:	01-183-08					
Diesel Range Organics	**ND**	33	NWTPH-Dx	1-30-15	1-30-15	
Lube Oil Range Organics	**ND**	66	NWTPH-Dx	1-30-15	1-30-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*82*	*50-150*				
Client ID:	**B2-9.5**					
Laboratory ID:	01-183-09					
Diesel Range Organics	**ND**	29	NWTPH-Dx	1-30-15	1-30-15	
Lube Oil Range Organics	**ND**	58	NWTPH-Dx	1-30-15	1-30-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*74*	*50-150*				
Client ID:	**B11-11.0**					
Laboratory ID:	01-183-16					
Diesel Range Organics	**ND**	30	NWTPH-Dx	1-30-15	2-2-15	
Lube Oil	**310**	60	NWTPH-Dx	1-30-15	2-2-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*84*	*50-150*				

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0130S1					
Diesel Range Organics	**ND**	25	NWTPH-Dx	1-30-15	1-30-15	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	1-30-15	1-30-15	
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:	01-183-16										
	ORIG	DUP									
Diesel Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	
Lube Oil	**259**	**155**	NA	NA		NA		NA	50	NA	
Surrogate:											
o-Terphenyl						*84*	*63*	*50-150*			

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B2-012615-GW**					
Laboratory ID:	01-183-10					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	2-2-15	2-2-15	
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	2-2-15	2-2-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*82*	*50-150*				

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

NWTPH-Dx
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0202W1					
Diesel Range Organics	**ND**	0.25	NWTPH-Dx	2-2-15	2-2-15	
Lube Oil Range Organics	**ND**	0.40	NWTPH-Dx	2-2-15	2-2-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*79*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	01-186-01										
	ORIG	DUP									
Diesel Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	X1
Lube Oil Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	X1
Surrogate:											
o-Terphenyl						*75*	*77*	*50-150*			

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

HALOGENATED VOLATILES EPA 8260C
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B1-4.0**					
Laboratory ID:	01-183-05					
Dichlorodifluoromethane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Chloromethane	ND	0.0057	EPA 8260C	1-28-15	1-28-15	
Vinyl Chloride	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Bromomethane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Chloroethane	ND	0.0057	EPA 8260C	1-28-15	1-28-15	
Trichlorofluoromethane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
1,1-Dichloroethene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Iodomethane	ND	0.0057	EPA 8260C	1-28-15	1-28-15	
Methylene Chloride	ND	0.0057	EPA 8260C	1-28-15	1-28-15	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
1,1-Dichloroethane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
2,2-Dichloropropane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Bromochloromethane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Chloroform	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Carbon Tetrachloride	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
1,1-Dichloropropene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
1,2-Dichloroethane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Trichloroethene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
1,2-Dichloropropane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Dibromomethane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Bromodichloromethane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
2-Chloroethyl Vinyl Ether	ND	0.0057	EPA 8260C	1-28-15	1-28-15	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

HALOGENATED VOLATILES EPA 8260C
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B1-4.0**					
Laboratory ID:	01-183-05					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Tetrachloroethene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
1,3-Dichloropropane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Dibromochloromethane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
1,2-Dibromoethane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Chlorobenzene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Bromoform	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Bromobenzene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
2-Chlorotoluene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
4-Chlorotoluene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
1,2-Dibromo-3-chloropropane	ND	0.0057	EPA 8260C	1-28-15	1-28-15	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Hexachlorobutadiene	ND	0.0057	EPA 8260C	1-28-15	1-28-15	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260C	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*114*	*76-131*				
Toluene-d8	*110*	*82-129*				
4-Bromofluorobenzene	*104*	*79-126*				

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

HALOGENATED VOLATILES EPA 8260C
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B2-6.0**					
Laboratory ID:	01-183-08					
Dichlorodifluoromethane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Chloromethane	ND	0.0063	EPA 8260C	1-28-15	1-28-15	
Vinyl Chloride	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Bromomethane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Chloroethane	ND	0.0063	EPA 8260C	1-28-15	1-28-15	
Trichlorofluoromethane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
1,1-Dichloroethene	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Iodomethane	ND	0.0063	EPA 8260C	1-28-15	1-28-15	
Methylene Chloride	ND	0.0063	EPA 8260C	1-28-15	1-28-15	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
1,1-Dichloroethane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
2,2-Dichloropropane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Bromochloromethane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Chloroform	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Carbon Tetrachloride	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
1,1-Dichloropropene	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
1,2-Dichloroethane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Trichloroethene	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
1,2-Dichloropropane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Dibromomethane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Bromodichloromethane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
2-Chloroethyl Vinyl Ether	ND	0.0063	EPA 8260C	1-28-15	1-28-15	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260C	1-28-15	1-28-15	

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

HALOGENATED VOLATILES EPA 8260C
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B2-6.0**					
Laboratory ID:	01-183-08					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Tetrachloroethene	0.0030	0.0013	EPA 8260C	1-28-15	1-28-15	
1,3-Dichloropropane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Dibromochloromethane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
1,2-Dibromoethane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Chlorobenzene	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Bromoform	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Bromobenzene	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
2-Chlorotoluene	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
4-Chlorotoluene	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
1,2-Dibromo-3-chloropropane	ND	0.0063	EPA 8260C	1-28-15	1-28-15	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Hexachlorobutadiene	ND	0.0063	EPA 8260C	1-28-15	1-28-15	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260C	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*115*	*76-131*				
Toluene-d8	*112*	*82-129*				
4-Bromofluorobenzene	*97*	*79-126*				

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B3-11.5**					
Laboratory ID:	01-183-20					
Methyl t-Butyl Ether	ND	0.0031	EPA 8260C	1-29-15	1-29-15	
1,2-Dichloroethane	ND	0.0031	EPA 8260C	1-29-15	1-29-15	
1,2-Dibromoethane	ND	0.0031	EPA 8260C	1-29-15	1-29-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*115*	*76-131*				
Toluene-d8	*123*	*82-129*				
4-Bromofluorobenzene	*114*	*79-126*				

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

HALOGENATED VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0128S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Chloromethane	ND	0.0050	EPA 8260C	1-28-15	1-28-15	
Vinyl Chloride	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Bromomethane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Chloroethane	ND	0.0050	EPA 8260C	1-28-15	1-28-15	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Iodomethane	ND	0.0050	EPA 8260C	1-28-15	1-28-15	
Methylene Chloride	ND	0.0050	EPA 8260C	1-28-15	1-28-15	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Bromochloromethane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Chloroform	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Trichloroethene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Dibromomethane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Bromodichloromethane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	1-28-15	1-28-15	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

HALOGENATED VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0128S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Tetrachloroethene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Dibromochloromethane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Chlorobenzene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Bromoform	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Bromobenzene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
2-Chlorotoluene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
4-Chlorotoluene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	1-28-15	1-28-15	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	1-28-15	1-28-15	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*119*	*76-131*				
Toluene-d8	*112*	*82-129*				
4-Bromofluorobenzene	*104*	*79-126*				

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0129S1					
Methyl t-Butyl Ether	ND	0.0010	EPA 8260C	1-29-15	1-29-15	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	1-29-15	1-29-15	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	1-29-15	1-29-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*121*	*76-131*				
Toluene-d8	*115*	*82-129*				
4-Bromofluorobenzene	*107*	*79-126*				

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

HALOGENATED VOLATILES EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0128S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0517**	**0.0531**	0.0500	0.0500	103	106	66-129	3	15	
Benzene	**0.0537**	**0.0548**	0.0500	0.0500	107	110	71-123	2	15	
Trichloroethene	**0.0519**	**0.0510**	0.0500	0.0500	104	102	75-115	2	15	
Toluene	**0.0521**	**0.0517**	0.0500	0.0500	104	103	75-120	1	15	
Chlorobenzene	**0.0461**	**0.0450**	0.0500	0.0500	92	90	75-121	2	15	
Surrogate:										
Dibromofluoromethane					*108*	*113*	*76-131*			
Toluene-d8					*104*	*106*	*82-129*			
4-Bromofluorobenzene					*96*	*98*	*79-126*			

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

VOLATILES EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0129S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0498**	**0.0505**	0.0500	0.0500	100	101	66-129	1	15	
Benzene	**0.0526**	**0.0548**	0.0500	0.0500	105	110	71-123	4	15	
Trichloroethene	**0.0499**	**0.0500**	0.0500	0.0500	100	100	75-115	0	15	
Toluene	**0.0515**	**0.0511**	0.0500	0.0500	103	102	75-120	1	15	
Chlorobenzene	**0.0443**	**0.0453**	0.0500	0.0500	89	91	75-121	2	15	
Surrogate:										
Dibromofluoromethane					*108*	*114*	*76-131*			
Toluene-d8					*106*	*107*	*82-129*			
4-Bromofluorobenzene					*95*	*100*	*79-126*			

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

HALOGENATED VOLATILES EPA 8260C
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B2-012615-GW**					
Laboratory ID:	01-183-10					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Chloromethane	ND	1.0	EPA 8260C	1-28-15	1-28-15	
Vinyl Chloride	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Bromomethane	ND	0.26	EPA 8260C	1-28-15	1-28-15	
Chloroethane	ND	1.0	EPA 8260C	1-28-15	1-28-15	
Trichlorofluoromethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,1-Dichloroethene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Iodomethane	ND	1.0	EPA 8260C	1-28-15	1-28-15	
Methylene Chloride	ND	1.0	EPA 8260C	1-28-15	1-28-15	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,1-Dichloroethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
2,2-Dichloropropane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Bromochloromethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Chloroform	0.43	0.20	EPA 8260C	1-28-15	1-28-15	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Carbon Tetrachloride	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,1-Dichloropropene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,2-Dichloroethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Trichloroethene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,2-Dichloropropane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Dibromomethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Bromodichloromethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
2-Chloroethyl Vinyl Ether	ND	2.0	EPA 8260C	1-28-15	1-28-15	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	1-28-15	1-28-15	

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

HALOGENATED VOLATILES EPA 8260C
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B2-012615-GW**					
Laboratory ID:	01-183-10					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Tetrachloroethene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,3-Dichloropropane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Dibromochloromethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,2-Dibromoethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Chlorobenzene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Bromoform	ND	1.0	EPA 8260C	1-28-15	1-28-15	
Bromobenzene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
2-Chlorotoluene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
4-Chlorotoluene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	1-28-15	1-28-15	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Hexachlorobutadiene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*79-122*				
Toluene-d8	*103*	*80-120*				
4-Bromofluorobenzene	*98*	*80-120*				

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

VOLATILES EPA 8260C

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B3-012615-GW**					
Laboratory ID:	01-183-22					
Methyl t-Butyl Ether	ND	2.0	EPA 8260C	1-28-15	1-28-15	
1,2-Dichloroethane	ND	2.0	EPA 8260C	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*95*	*79-122*				
Toluene-d8	*97*	*80-120*				
4-Bromofluorobenzene	*94*	*80-120*				

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

HALOGENATED VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0128W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Chloromethane	ND	1.0	EPA 8260C	1-28-15	1-28-15	
Vinyl Chloride	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Bromomethane	ND	0.26	EPA 8260C	1-28-15	1-28-15	
Chloroethane	ND	1.0	EPA 8260C	1-28-15	1-28-15	
Trichlorofluoromethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,1-Dichloroethene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Iodomethane	ND	1.0	EPA 8260C	1-28-15	1-28-15	
Methylene Chloride	ND	1.0	EPA 8260C	1-28-15	1-28-15	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,1-Dichloroethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
2,2-Dichloropropane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Bromochloromethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Chloroform	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Carbon Tetrachloride	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,1-Dichloropropene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,2-Dichloroethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Trichloroethene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,2-Dichloropropane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Dibromomethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Bromodichloromethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
2-Chloroethyl Vinyl Ether	ND	2.0	EPA 8260C	1-28-15	1-28-15	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	1-28-15	1-28-15	

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

HALOGENATED VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0128W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Tetrachloroethene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,3-Dichloropropane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Dibromochloromethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,2-Dibromoethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Chlorobenzene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Bromoform	ND	1.0	EPA 8260C	1-28-15	1-28-15	
Bromobenzene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	1-28-15	1-28-15	
2-Chlorotoluene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
4-Chlorotoluene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	1-28-15	1-28-15	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Hexachlorobutadiene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	1-28-15	1-28-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*105*	*79-122*				
Toluene-d8	*101*	*80-120*				
4-Bromofluorobenzene	*99*	*80-120*				

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

HALOGENATED VOLATILES EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0128W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**9.93**	**9.37**	10.0	10.0	99	94	64-138	6	16	
Benzene	**9.70**	**9.74**	10.0	10.0	97	97	76-125	0	14	
Trichloroethene	**9.23**	**9.06**	10.0	10.0	92	91	70-125	2	16	
Toluene	**9.73**	**9.54**	10.0	10.0	97	95	75-125	2	15	
Chlorobenzene	**9.40**	**9.11**	10.0	10.0	94	91	80-140	3	15	
Surrogate:										
Dibromofluoromethane					*99*	*105*	*79-122*			
Toluene-d8					*98*	*99*	*80-120*			
4-Bromofluorobenzene					*94*	*94*	*80-120*			

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B1-4.0**					
Laboratory ID:	01-183-05					
Naphthalene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
2-Methylnaphthalene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
1-Methylnaphthalene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
Acenaphthylene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
Acenaphthene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
Fluorene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
Phenanthrene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
Anthracene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
Fluoranthene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
Pyrene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
Benzo[a]anthracene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
Chrysene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
Benzo[b]fluoranthene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
Benzo(j,k)fluoranthene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
Benzo[a]pyrene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
Dibenz[a,h]anthracene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
Benzo[g,h,i]perylene	**ND**	0.0079	EPA 8270D/SIM	1-30-15	2-4-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*78*	*32 - 114*				
Pyrene-d10	*67*	*33 - 121*				
Terphenyl-d14	*67*	*31 - 116*				

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B2-6.0**					
Laboratory ID:	01-183-08					
Naphthalene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
2-Methylnaphthalene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
1-Methylnaphthalene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
Acenaphthylene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
Acenaphthene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
Fluorene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
Phenanthrene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
Anthracene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
Fluoranthene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
Pyrene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
Benzo[a]anthracene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
Chrysene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
Benzo[b]fluoranthene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
Benzo(j,k)fluoranthene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
Benzo[a]pyrene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
Dibenz[a,h]anthracene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
Benzo[g,h,i]perylene	**ND**	0.0087	EPA 8270D/SIM	1-30-15	2-4-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*74*	*32 - 114*				
Pyrene-d10	*68*	*33 - 121*				
Terphenyl-d14	*63*	*31 - 116*				

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

PAHs EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0130S1					
Naphthalene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
Acenaphthylene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
Acenaphthene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
Fluorene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
Phenanthrene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
Anthracene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
Fluoranthene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
Pyrene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
Chrysene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
Benzo(j,k)fluoranthene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270D/SIM	1-30-15	2-3-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*102*	*32 - 114*				
Pyrene-d10	*88*	*33 - 121*				
Terphenyl-d14	*77*	*31 - 116*				

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

PAHs EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0130S1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.0785**	**0.0809**	0.0833	0.0833	94	97	63 - 113	3	19	
Acenaphthylene	**0.0924**	**0.0957**	0.0833	0.0833	111	115	61 - 125	4	16	
Acenaphthene	**0.0920**	**0.0949**	0.0833	0.0833	110	113	66 - 113	3	16	
Fluorene	**0.0914**	**0.0933**	0.0833	0.0833	110	112	60 - 117	2	16	
Phenanthrene	**0.0848**	**0.0873**	0.0833	0.0833	102	105	63 - 116	3	12	
Anthracene	**0.0956**	**0.0975**	0.0833	0.0833	115	117	66 - 141	2	19	
Fluoranthene	**0.0892**	**0.0915**	0.0833	0.0833	107	110	60 - 125	3	13	
Pyrene	**0.0898**	**0.0932**	0.0833	0.0833	108	112	66 - 126	4	15	
Benzo[a]anthracene	**0.0939**	**0.0960**	0.0833	0.0833	113	115	60 - 128	2	15	
Chrysene	**0.0793**	**0.0831**	0.0833	0.0833	95	100	60 - 117	5	13	
Benzo[b]fluoranthene	**0.0766**	**0.0760**	0.0833	0.0833	92	91	60 - 131	1	16	
Benzo(j,k)fluoranthene	**0.0780**	**0.0818**	0.0833	0.0833	94	98	57 - 126	5	20	
Benzo[a]pyrene	**0.0812**	**0.0833**	0.0833	0.0833	97	100	62 - 136	3	16	
Indeno(1,2,3-c,d)pyrene	**0.0827**	**0.0846**	0.0833	0.0833	99	102	60 - 127	2	19	
Dibenz[a,h]anthracene	**0.0841**	**0.0870**	0.0833	0.0833	101	104	62 - 133	3	22	
Benzo[g,h,i]perylene	**0.0822**	**0.0849**	0.0833	0.0833	99	102	63 - 129	3	22	
Surrogate:										
2-Fluorobiphenyl					*116*	*107*	*32 - 114*			Q
Pyrene-d10					*91*	*94*	*33 - 121*			
Terphenyl-d14					*79*	*82*	*31 - 116*			

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

PAHs EPA 8270D/SIM

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B2-012615-GW**					
Laboratory ID:	01-183-10					
Naphthalene	**1.4**	0.096	EPA 8270D/SIM	1-29-15	1-29-15	
2-Methylnaphthalene	**0.48**	0.096	EPA 8270D/SIM	1-29-15	1-29-15	
1-Methylnaphthalene	**0.19**	0.096	EPA 8270D/SIM	1-29-15	1-29-15	
Acenaphthylene	**ND**	0.096	EPA 8270D/SIM	1-29-15	1-29-15	
Acenaphthene	**ND**	0.096	EPA 8270D/SIM	1-29-15	1-29-15	
Fluorene	**ND**	0.096	EPA 8270D/SIM	1-29-15	1-29-15	
Phenanthrene	**ND**	0.096	EPA 8270D/SIM	1-29-15	1-29-15	
Anthracene	**ND**	0.096	EPA 8270D/SIM	1-29-15	1-29-15	
Fluoranthene	**ND**	0.096	EPA 8270D/SIM	1-29-15	1-29-15	
Pyrene	**ND**	0.096	EPA 8270D/SIM	1-29-15	1-29-15	
Benzo[a]anthracene	**ND**	0.0096	EPA 8270D/SIM	1-29-15	1-29-15	
Chrysene	**ND**	0.0096	EPA 8270D/SIM	1-29-15	1-29-15	
Benzo[b]fluoranthene	**ND**	0.0096	EPA 8270D/SIM	1-29-15	1-29-15	
Benzo(j,k)fluoranthene	**ND**	0.0096	EPA 8270D/SIM	1-29-15	1-29-15	
Benzo[a]pyrene	**ND**	0.0096	EPA 8270D/SIM	1-29-15	1-29-15	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0096	EPA 8270D/SIM	1-29-15	1-29-15	
Dibenz[a,h]anthracene	**ND**	0.0096	EPA 8270D/SIM	1-29-15	1-29-15	
Benzo[g,h,i]perylene	**ND**	0.0096	EPA 8270D/SIM	1-29-15	1-29-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*72*	*39 - 109*				
Pyrene-d10	*72*	*53 - 131*				
Terphenyl-d14	*133*	*44 - 104*				Q

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

PAHs EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0129W1					
Naphthalene	**ND**	0.10	EPA 8270D/SIM	1-29-15	1-29-15	
2-Methylnaphthalene	**ND**	0.10	EPA 8270D/SIM	1-29-15	1-29-15	
1-Methylnaphthalene	**ND**	0.10	EPA 8270D/SIM	1-29-15	1-29-15	
Acenaphthylene	**ND**	0.10	EPA 8270D/SIM	1-29-15	1-29-15	
Acenaphthene	**ND**	0.10	EPA 8270D/SIM	1-29-15	1-29-15	
Fluorene	**ND**	0.10	EPA 8270D/SIM	1-29-15	1-29-15	
Phenanthrene	**ND**	0.10	EPA 8270D/SIM	1-29-15	1-29-15	
Anthracene	**ND**	0.10	EPA 8270D/SIM	1-29-15	1-29-15	
Fluoranthene	**ND**	0.10	EPA 8270D/SIM	1-29-15	1-29-15	
Pyrene	**ND**	0.10	EPA 8270D/SIM	1-29-15	1-29-15	
Benzo[a]anthracene	**ND**	0.010	EPA 8270D/SIM	1-29-15	1-29-15	
Chrysene	**ND**	0.010	EPA 8270D/SIM	1-29-15	1-29-15	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270D/SIM	1-29-15	1-29-15	
Benzo(j,k)fluoranthene	**ND**	0.010	EPA 8270D/SIM	1-29-15	1-29-15	
Benzo[a]pyrene	**ND**	0.010	EPA 8270D/SIM	1-29-15	1-29-15	
Indeno(1,2,3-c,d)pyrene	**ND**	0.010	EPA 8270D/SIM	1-29-15	1-29-15	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270D/SIM	1-29-15	1-29-15	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270D/SIM	1-29-15	1-29-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*78*	*39 - 109*				
Pyrene-d10	*85*	*53 - 131*				
Terphenyl-d14	*95*	*44 - 104*				

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

Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

PAHs EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0129W1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.350**	**0.437**	0.500	0.500	70	87	41 - 105	22	46	
Acenaphthylene	**0.431**	**0.504**	0.500	0.500	86	101	48 - 109	16	43	
Acenaphthene	**0.372**	**0.444**	0.500	0.500	74	89	52 - 105	18	40	
Fluorene	**0.408**	**0.456**	0.500	0.500	82	91	60 - 108	11	41	
Phenanthrene	**0.388**	**0.427**	0.500	0.500	78	85	61 - 110	10	36	
Anthracene	**0.395**	**0.445**	0.500	0.500	79	89	57 - 130	12	37	
Fluoranthene	**0.407**	**0.440**	0.500	0.500	81	88	60 - 120	8	35	
Pyrene	**0.403**	**0.437**	0.500	0.500	81	87	66 - 127	8	37	
Benzo[a]anthracene	**0.432**	**0.475**	0.500	0.500	86	95	60 - 135	9	34	
Chrysene	**0.364**	**0.385**	0.500	0.500	73	77	64 - 113	6	34	
Benzo[b]fluoranthene	**0.357**	**0.402**	0.500	0.500	71	80	66 - 126	12	37	
Benzo(j,k)fluoranthene	**0.470**	**0.498**	0.500	0.500	94	100	66 - 123	6	39	
Benzo[a]pyrene	**0.424**	**0.463**	0.500	0.500	85	93	63 - 130	9	37	
Indeno(1,2,3-c,d)pyrene	**0.450**	**0.475**	0.500	0.500	90	95	63 - 130	5	42	
Dibenz[a,h]anthracene	**0.447**	**0.474**	0.500	0.500	89	95	60 - 124	6	44	
Benzo[g,h,i]perylene	**0.429**	**0.450**	0.500	0.500	86	90	60 - 119	5	45	
Surrogate:										
2-Fluorobiphenyl					*79*	*93*	*39 - 109*			
Pyrene-d10					*82*	*88*	*53 - 131*			
Terphenyl-d14					*91*	*97*	*44 - 104*			

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B1-4.0**					
Laboratory ID:	01-183-05					
Aroclor 1016	**ND**	0.059	EPA 8082A	1-29-15	1-29-15	
Aroclor 1221	**ND**	0.059	EPA 8082A	1-29-15	1-29-15	
Aroclor 1232	**ND**	0.059	EPA 8082A	1-29-15	1-29-15	
Aroclor 1242	**ND**	0.059	EPA 8082A	1-29-15	1-29-15	
Aroclor 1248	**ND**	0.059	EPA 8082A	1-29-15	1-29-15	
Aroclor 1254	**ND**	0.059	EPA 8082A	1-29-15	1-29-15	
Aroclor 1260	**ND**	0.059	EPA 8082A	1-29-15	1-29-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*84*	*55-140*				
Client ID:	**B2-6.0**					
Laboratory ID:	01-183-08					
Aroclor 1016	**ND**	0.065	EPA 8082A	1-29-15	1-29-15	
Aroclor 1221	**ND**	0.065	EPA 8082A	1-29-15	1-29-15	
Aroclor 1232	**ND**	0.065	EPA 8082A	1-29-15	1-29-15	
Aroclor 1242	**ND**	0.065	EPA 8082A	1-29-15	1-29-15	
Aroclor 1248	**ND**	0.065	EPA 8082A	1-29-15	1-29-15	
Aroclor 1254	**ND**	0.065	EPA 8082A	1-29-15	1-29-15	
Aroclor 1260	**ND**	0.065	EPA 8082A	1-29-15	1-29-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*89*	*55-140*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0129S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	1-29-15	1-30-15	
Aroclor 1221	**ND**	0.050	EPA 8082A	1-29-15	1-30-15	
Aroclor 1232	**ND**	0.050	EPA 8082A	1-29-15	1-30-15	
Aroclor 1242	**ND**	0.050	EPA 8082A	1-29-15	1-30-15	
Aroclor 1248	**ND**	0.050	EPA 8082A	1-29-15	1-30-15	
Aroclor 1254	**ND**	0.050	EPA 8082A	1-29-15	1-30-15	
Aroclor 1260	**ND**	0.050	EPA 8082A	1-29-15	1-30-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*96*	*55-140*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	01-180-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.300**	**0.332**	0.500	0.500	ND	**60**	**66**	46-136	10	17	
Surrogate:											
DCB						*71*	*77*	*55-140*			

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

PCBs
EPA 8082A

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B2-012615-GW**					
Laboratory ID:	01-183-10					
Aroclor 1016	**ND**	0.10	EPA 8082A	2-3-15	2-3-15	
Aroclor 1221	**ND**	0.10	EPA 8082A	2-3-15	2-3-15	
Aroclor 1232	**ND**	0.10	EPA 8082A	2-3-15	2-3-15	
Aroclor 1242	**ND**	0.10	EPA 8082A	2-3-15	2-3-15	
Aroclor 1248	**ND**	0.10	EPA 8082A	2-3-15	2-3-15	
Aroclor 1254	**ND**	0.10	EPA 8082A	2-3-15	2-3-15	
Aroclor 1260	**ND**	0.10	EPA 8082A	2-3-15	2-3-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*62*	*53-128*				

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0203W1					
Aroclor 1016	**ND**	0.050	EPA 8082A	2-3-15	2-3-15	
Aroclor 1221	**ND**	0.050	EPA 8082A	2-3-15	2-3-15	
Aroclor 1232	**ND**	0.050	EPA 8082A	2-3-15	2-3-15	
Aroclor 1242	**ND**	0.050	EPA 8082A	2-3-15	2-3-15	
Aroclor 1248	**ND**	0.050	EPA 8082A	2-3-15	2-3-15	
Aroclor 1254	**ND**	0.050	EPA 8082A	2-3-15	2-3-15	
Aroclor 1260	**ND**	0.050	EPA 8082A	2-3-15	2-3-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*85*	*53-128*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0203W1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.411**	**0.407**	0.500	0.500	N/A	**82**	**81**	61-124	1	12	
Surrogate:											
DCB						*88*	*83*	*53-128*			

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

TOTAL LEAD
EPA 6010C

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	01-183-20					
Client ID:	**B3-11.5**					
Lead	**ND**	6.2	6010C	1-29-15	1-29-15	

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

TOTAL LEAD
EPA 6010C
METHOD BLANK QUALITY CONTROL

Date Extracted:	1-29-15
Date Analyzed:	1-29-15
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0129SM1

Analyte	Method	Result	PQL
Lead	6010C	**ND**	5.0

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

TOTAL LEAD
EPA 6010C
DUPLICATE QUALITY CONTROL

Date Extracted: 1-29-15
Date Analyzed: 1-29-15

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 01-201-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Lead	**8.00**	**6.80**	16	5.0	

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

TOTAL LEAD
EPA 6010C
MS/MSD QUALITY CONTROL

Date Extracted: 1-29-15
Date Analyzed: 1-29-15

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 01-201-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Lead	250	**254**	98	**253**	98	0	

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

TOTAL LEAD
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	01-183-10					
Client ID:	**B2-012615-GW**					
Lead	**4.0**	1.1	200.8	2-2-15	2-2-15	
Lab ID:	01-183-26					
Client ID:	**B4-012615-GW**					
Lead	**1300**	11	200.8	2-2-15	2-2-15	

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

TOTAL LEAD
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Extracted:	2-2-15
Date Analyzed:	2-2-15
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0202WM1

Analyte	Method	Result	PQL
Lead	200.8	**ND**	1.1

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

TOTAL LEAD
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Extracted: 2-2-15
Date Analyzed: 2-2-15

Matrix: Water
Units: ug/L (ppb)

Lab ID: 01-137-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Lead	**ND**	**ND**	NA	1.1	

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

TOTAL LEAD
EPA 200.8
MS/MSD QUALITY CONTROL

Date Extracted: 2-2-15
Date Analyzed: 2-2-15

Matrix: Water
Units: ug/L (ppb)

Lab ID: 01-137-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Lead	111	**113**	102	**112**	101	2	

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

DISSOLVED LEAD
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	01-183-10					
Client ID:	**B2-012615-GW**					
Lead	**ND**	1.0	200.8	1-27-15	2-4-15	

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

DISSOLVED LEAD
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Filtered:	1-27-15
Date Analyzed:	2-4-15
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0127F1

Analyte	Method	Result	PQL
Lead	200.8	**ND**	1.0

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

DISSOLVED LEAD
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Filtered: 1-27-15
Date Analyzed: 2-4-15

Matrix: Water
Units: ug/L (ppb)

Lab ID: 01-183-10

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Lead	**ND**	**ND**	NA	1.0	

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

DISSOLVED LEAD
EPA 200.8
MS/MSD QUALITY CONTROL

Date Filtered: 1-27-15
Date Analyzed: 2-4-15

Matrix: Water
Units: ug/L (ppb)

Lab ID: 01-183-10

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Lead	200	**190**	95	**208**	104	9	

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

1,2-DIBROMOETHANE (EDB)
EPA 8011

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B2-012615-GW**					
Laboratory ID:	01-183-10					
EDB	**ND**	0.010	EPA 8011	2-4-15	2-4-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*135*	*25-143*				
Client ID:	**B3-012615-GW**					
Laboratory ID:	01-183-22					
EDB	**ND**	0.010	EPA 8011	2-4-15	2-4-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*58*	*25-143*				

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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

1,2-DIBROMOETHANE (EDB)
EPA 8011
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0204W1					
EDB	**ND**	0.010	EPA 8011	2-4-15	2-4-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*116*	*25-143*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0204W1										
	SB	SBD	SB	SBD		SB	SBD				
EDB	**0.110**	**0.110**	0.100	0.100	N/A	**110**	**110**	84-118	0	15	
Surrogate:											
TCMX						*112*	*112*	*25-143*			

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: February 5, 2015
Samples Submitted: January 27, 2015
Laboratory Reference: 1501-183
Project: 1295-001

% MOISTURE

Date Analyzed: 1-28&30-15

Client ID	Lab ID	% Moisture
B10-1.5	01-183-02	17
B1-3.0	01-183-04	11
B1-4.0	01-183-05	16
B2-6.0	01-183-08	24
B2-9.5	01-183-09	13
B5-5.0	01-183-13	11
B5-7.0	01-183-14	13
B11-11.0	01-183-16	16
B3-11.5	01-183-20	19
B3-15.5	01-183-21	17
B4-9.5	01-183-24	15
B4-12.0	01-183-25	10

This report pertains to the samples analyzed in accordance with the chain of custody,
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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-napthalene) 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 method 8260C, 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

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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: 1295-001
Project Name: Endolyne Garden Apartments
Project Manager: TAD CLINE
Sampled by: Ken Smith

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: 01-183

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	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		TOTAL LEAD	DISSOLVED LEAD	EDB 8011	MTBE, EDC	% Moisture
1	B10-0.5	1/26/15	1025	S	5																						
2	B10-1.5		1030	S	5				X																		X
3	B1-1.0		1140	S	5																						
4	B1-3.0		1150	S	5				X																		X
5	B1-4.0		1200	S	5				X		X		X	X													X
6	B2-2.5		1220	S	5																						
7	B2-4.5		1230	S	5																						
8	B2-6.0		1240	S	5				X		X		X	X													X
9	B2-9.5		1250	S	5				X																		X
10	B2-012615-GW		1300	W	10	X			X		X		X	X									X	X	X	X	

	Signature	Company	Date	Time
Relinquished	Ken Smith	FARALLON	1/26/15	1800
Received	[illegible]	GeoEng	1/27/15	1210
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
Hold sample, will call w analysis. Dissolved metal sample for B2 was not field filtered. Please filter ASAP.
X Added 1/28/15. DB (STA)

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐
Electronic Data Deliverables (EDDs) ☐ _____

Chain of Custody

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

Company: FARALLON
Project Number: 1295-001
Project Name: ENDOLYNE GARDEN APARTMENTS
Project Manager: TAD CLINE
Sampled by: Ken Scott

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: 01-183

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	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		TOTAL LEAD		MTBE, EDC, EDB 8260	~~EDB 8011~~ DB	% Moisture
11	B5-1.0	1/26/15	1335	S	5																						
12	B5-3.0		1345	S	5																						
13	B5-5.0		1355	S	5		X																				X
14	B5-7.0		1405	S	5		X																				X
15	B11-3.0		1420	S	5																						
16	B11-11.0		1435	S	5		X		X																		X
17	B3-3.0		1500	S	2																						
18	B3-6.5		1510	S	2																						
19	B3-8.5		1520	S	2																						
20	B3-11.5	↓	1530	S	2		X																X		X		X

	Signature	Company	Date	Time
Relinquished	Ken Scott	FARALLON	1/26/15	1800
Received	[signature]	[signature]	1/27/15	1210
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
See page #1

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐
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
Project Number: 1295-001
Project Name: Endolyne Garden Apartments
Project Manager: TAD CLINE
Sampled by: Ken Smith

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: 01-183

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	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	TOTAL LEAD	MTBE, EDC 8260	EDB 8011			% Moisture
21	B3-15.5	1/26/15	1540	S	2		X																				X
22	B3-012615-GW		1555	W	~~3~~ 5		X																X	X			
23	B4-6.5		1615	S	5																						
24	B4-9.5		1625	S	5		X																				X
25	B4-12.0		1630	S	5		X																				X
26	B4-012615-GW		1635	W	~~3~~ 4		X															X					
					~~5~~																						

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished	Ken Smith	FARALLON	1/26/15	1800	SEE PAGE #1
Received		OnSite Env.	1/27/15	1210	
Relinquished					
Received					
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental Inc.

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

February 5, 2015

Tad Cline
Farallon Consulting, LLC
Queen Anne Square East Bldg.
200 West Mercer Street, Suite 302
Seattle, WA 98119

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 1501-203

Dear Tad:

Enclosed are the analytical results and associated quality control data for samples submitted on February 28, 2015.

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

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

Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

Case Narrative

Samples were collected on January 27, 2015 and received by the laboratory on January 28, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

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

NWTPH Gx/BTEX and Volatiles EPA 8260C (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Low-level VOA vials containing stir bars necessary to obtain the MTCA Method A cleanup level for 1,2-Dibromoethane were not provided for sample B7-8.0. The sample was therefore extracted from a 4-ounce jar and analyzed.

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

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Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B6-2.5**					
Laboratory ID:	01-203-01					
Benzene	**ND**	0.020	EPA 8021B	1-31-15	1-31-15	
Toluene	**ND**	0.050	EPA 8021B	1-31-15	1-31-15	
Ethyl Benzene	**ND**	0.050	EPA 8021B	1-31-15	1-31-15	
m,p-Xylene	**ND**	0.050	EPA 8021B	1-31-15	1-31-15	
o-Xylene	**ND**	0.050	EPA 8021B	1-31-15	1-31-15	
Gasoline	**ND**	5.0	NWTPH-Gx	1-31-15	1-31-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*91*	*68-123*				
Client ID:	**B6-8.5**					
Laboratory ID:	01-203-03					
Benzene	**ND**	0.020	EPA 8021B	1-31-15	1-31-15	
Toluene	**ND**	0.062	EPA 8021B	1-31-15	1-31-15	
Ethyl Benzene	**ND**	0.062	EPA 8021B	1-31-15	1-31-15	
m,p-Xylene	**ND**	0.062	EPA 8021B	1-31-15	1-31-15	
o-Xylene	**ND**	0.062	EPA 8021B	1-31-15	1-31-15	
Gasoline	**ND**	6.2	NWTPH-Gx	1-31-15	1-31-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*68-123*				
Client ID:	**B6-11.5**					
Laboratory ID:	01-203-04					
Benzene	**ND**	0.020	EPA 8021B	1-31-15	1-31-15	
Toluene	**ND**	0.057	EPA 8021B	1-31-15	1-31-15	
Ethyl Benzene	**ND**	0.057	EPA 8021B	1-31-15	1-31-15	
m,p-Xylene	**ND**	0.057	EPA 8021B	1-31-15	1-31-15	
o-Xylene	**ND**	0.057	EPA 8021B	1-31-15	1-31-15	
Gasoline	**ND**	5.7	NWTPH-Gx	1-31-15	1-31-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*97*	*68-123*				

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Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-5.0**					
Laboratory ID:	01-203-07					
Benzene	**ND**	0.020	EPA 8021B	1-31-15	1-31-15	
Toluene	**ND**	0.064	EPA 8021B	1-31-15	1-31-15	
Ethyl Benzene	**ND**	0.064	EPA 8021B	1-31-15	1-31-15	
m,p-Xylene	**ND**	0.064	EPA 8021B	1-31-15	1-31-15	
o-Xylene	**ND**	0.064	EPA 8021B	1-31-15	1-31-15	
Gasoline	**ND**	6.4	NWTPH-Gx	1-31-15	1-31-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*99*	*68-123*				
Client ID:	**B7-8.0**					
Laboratory ID:	01-203-09					
Benzene	**ND**	0.020	EPA 8021B	1-31-15	1-31-15	
Toluene	**ND**	0.068	EPA 8021B	1-31-15	1-31-15	
Ethyl Benzene	**ND**	0.068	EPA 8021B	1-31-15	1-31-15	
m,p-Xylene	**ND**	0.068	EPA 8021B	1-31-15	1-31-15	
o-Xylene	**ND**	0.068	EPA 8021B	1-31-15	1-31-15	
Gasoline	**ND**	6.8	NWTPH-Gx	1-31-15	1-31-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*99*	*68-123*				
Client ID:	**B8-5.5**					
Laboratory ID:	01-203-12					
Benzene	**ND**	0.020	EPA 8021B	1-31-15	1-31-15	
Toluene	**ND**	0.063	EPA 8021B	1-31-15	1-31-15	
Ethyl Benzene	**ND**	0.063	EPA 8021B	1-31-15	1-31-15	
m,p-Xylene	**ND**	0.063	EPA 8021B	1-31-15	1-31-15	
o-Xylene	**ND**	0.063	EPA 8021B	1-31-15	1-31-15	
Gasoline	**ND**	6.3	NWTPH-Gx	1-31-15	1-31-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*103*	*68-123*				

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Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B9-5.0**					
Laboratory ID:	01-203-15					
Benzene	**ND**	0.020	EPA 8021B	1-31-15	1-31-15	
Toluene	**ND**	0.066	EPA 8021B	1-31-15	1-31-15	
Ethyl Benzene	**ND**	0.066	EPA 8021B	1-31-15	1-31-15	
m,p-Xylene	**ND**	0.066	EPA 8021B	1-31-15	1-31-15	
o-Xylene	**ND**	0.066	EPA 8021B	1-31-15	1-31-15	
Gasoline	**ND**	6.6	NWTPH-Gx	1-31-15	1-31-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*68-123*				
Client ID:	**B9-7.5**					
Laboratory ID:	01-203-16					
Benzene	**ND**	0.020	EPA 8021B	1-31-15	1-31-15	
Toluene	**ND**	0.066	EPA 8021B	1-31-15	1-31-15	
Ethyl Benzene	**ND**	0.066	EPA 8021B	1-31-15	1-31-15	
m,p-Xylene	**ND**	0.066	EPA 8021B	1-31-15	1-31-15	
o-Xylene	**ND**	0.066	EPA 8021B	1-31-15	1-31-15	
Gasoline	**ND**	6.6	NWTPH-Gx	1-31-15	1-31-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*68-123*				

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Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

NWTPH-Gx/BTEX
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0131S1					
Benzene	**ND**	0.020	EPA 8021B	1-31-15	1-31-15	
Toluene	**ND**	0.050	EPA 8021B	1-31-15	1-31-15	
Ethyl Benzene	**ND**	0.050	EPA 8021B	1-31-15	1-31-15	
m,p-Xylene	**ND**	0.050	EPA 8021B	1-31-15	1-31-15	
o-Xylene	**ND**	0.050	EPA 8021B	1-31-15	1-31-15	
Gasoline	**ND**	5.0	NWTPH-Gx	1-31-15	1-31-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*90*	*68-123*				
Laboratory ID:	MB0131S2					
Benzene	**ND**	0.020	EPA 8021B	1-31-15	1-31-15	
Toluene	**ND**	0.050	EPA 8021B	1-31-15	1-31-15	
Ethyl Benzene	**ND**	0.050	EPA 8021B	1-31-15	1-31-15	
m,p-Xylene	**ND**	0.050	EPA 8021B	1-31-15	1-31-15	
o-Xylene	**ND**	0.050	EPA 8021B	1-31-15	1-31-15	
Gasoline	**ND**	5.0	NWTPH-Gx	1-31-15	1-31-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*68-123*				

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Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	01-217-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*101*	*106*	*68-123*			
Laboratory ID:	01-238-04										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*88*	*87*	*68-123*			
SPIKE BLANKS											
Laboratory ID:	SB0131S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.955**	**1.01**	1.00	1.00		**96**	**101**	75-117	6	13	
Toluene	**0.938**	**0.987**	1.00	1.00		**94**	**99**	78-118	5	12	
Ethyl Benzene	**0.885**	**0.927**	1.00	1.00		**89**	**93**	78-118	5	12	
m,p-Xylene	**0.879**	**0.911**	1.00	1.00		**88**	**91**	78-121	4	13	
o-Xylene	**0.840**	**0.861**	1.00	1.00		**84**	**86**	77-119	2	13	
Surrogate:											
Fluorobenzene						*91*	*96*	*68-123*			

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Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B6-012715-GW**					
Laboratory ID:	01-203-05					
Benzene	**3.7**	1.0	EPA 8021B	1-30-15	1-30-15	
Toluene	**45**	1.0	EPA 8021B	1-30-15	1-30-15	
Ethyl Benzene	**10**	1.0	EPA 8021B	1-30-15	1-30-15	
m,p-Xylene	**34**	1.0	EPA 8021B	1-30-15	1-30-15	
o-Xylene	**12**	1.0	EPA 8021B	1-30-15	1-30-15	
Gasoline	**350**	100	NWTPH-Gx	1-30-15	1-30-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*91*	*71-113*				

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Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0130W1					
Benzene	**ND**	1.0	EPA 8021B	1-30-15	1-30-15	
Toluene	**ND**	1.0	EPA 8021B	1-30-15	1-30-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	1-30-15	1-30-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	1-30-15	1-30-15	
o-Xylene	**ND**	1.0	EPA 8021B	1-30-15	1-30-15	
Gasoline	**ND**	100	NWTPH-Gx	1-30-15	1-30-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*89*	*71-113*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	01-228-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*88*	*90*	*71-113*			
SPIKE BLANKS											
Laboratory ID:	SB0130W1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**46.8**	**47.2**	50.0	50.0		**94**	**94**	80-118	1	11	
Toluene	**46.1**	**47.0**	50.0	50.0		**92**	**94**	81-119	2	11	
Ethyl Benzene	**46.5**	**47.1**	50.0	50.0		**93**	**94**	80-121	1	12	
m,p-Xylene	**46.6**	**47.3**	50.0	50.0		**93**	**95**	81-121	1	12	
o-Xylene	**46.8**	**47.3**	50.0	50.0		**94**	**95**	81-119	1	12	
Surrogate:											
Fluorobenzene						*87*	*89*	*71-113*			

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Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

TOTAL LEAD
EPA 6010C

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	01-203-09					
Client ID:	**B7-8.0**					
Lead	**6.4**	6.2	6010C	2-3-15	2-3-15	
Lab ID:	01-203-16					
Client ID:	**B9-7.5**					
Lead	**ND**	6.0	6010C	2-3-15	2-3-15	

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Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

TOTAL LEAD
EPA 6010C
METHOD BLANK QUALITY CONTROL

Date Extracted:	2-3-15
Date Analyzed:	2-3-15
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0203SM1

Analyte	Method	Result	PQL
Lead	6010C	**ND**	5.0

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Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

TOTAL LEAD
EPA 6010C
DUPLICATE QUALITY CONTROL

Date Extracted: 2-3-15
Date Analyzed: 2-3-15

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 01-203-16

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Lead	**ND**	**ND**	NA	5.0	

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Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

TOTAL LEAD
EPA 6010C
MS/MSD QUALITY CONTROL

Date Extracted: 2-3-15
Date Analyzed: 2-3-15

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 01-203-16

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Lead	250	**236**	94	**235**	94	0	

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Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-8.0**					
Laboratory ID:	01-203-09					
Methyl t-Butyl Ether	ND	0.0013	EPA 8260C	1-29-15	1-29-15	
1,2-Dichloroethane	ND	0.0013	EPA 8260C	1-29-15	1-29-15	
1,2-Dibromoethane	ND	0.0013	EPA 8260C	1-29-15	1-29-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*116*	*76-131*				
Toluene-d8	*111*	*82-129*				
4-Bromofluorobenzene	*100*	*79-126*				

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

Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B9-7.5**					
Laboratory ID:	01-203-16					
Methyl t-Butyl Ether	ND	0.0010	EPA 8260C	1-29-15	1-29-15	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	1-29-15	1-29-15	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	1-29-15	1-29-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*123*	*76-131*				
Toluene-d8	*119*	*82-129*				
4-Bromofluorobenzene	*108*	*79-126*				

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Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0129S1					
Methyl t-Butyl Ether	ND	0.0010	EPA 8260C	1-29-15	1-29-15	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	1-29-15	1-29-15	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	1-29-15	1-29-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*121*	*76-131*				
Toluene-d8	*115*	*82-129*				
4-Bromofluorobenzene	*107*	*79-126*				

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Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

VOLATILES by EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0129S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0498**	**0.0505**	0.0500	0.0500	100	101	66-129	1	15	
Benzene	**0.0526**	**0.0548**	0.0500	0.0500	105	110	71-123	4	15	
Trichloroethene	**0.0499**	**0.0500**	0.0500	0.0500	100	100	75-115	0	15	
Toluene	**0.0515**	**0.0511**	0.0500	0.0500	103	102	75-120	1	15	
Chlorobenzene	**0.0443**	**0.0453**	0.0500	0.0500	89	91	75-121	2	15	
Surrogate:										
Dibromofluoromethane					*108*	*114*	*76-131*			
Toluene-d8					*106*	*107*	*82-129*			
4-Bromofluorobenzene					*95*	*100*	*79-126*			

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Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

VOLATILES EPA 8260C

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B6-012715-GW**					
Laboratory ID:	01-203-05					
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	1-29-15	1-29-15	
1,2-Dichloroethane	ND	0.20	EPA 8260C	1-29-15	1-29-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*105*	*79-122*				
Toluene-d8	*101*	*80-120*				
4-Bromofluorobenzene	*101*	*80-120*				

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Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0129W1					
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	1-29-15	1-29-15	
1,2-Dichloroethane	ND	0.20	EPA 8260C	1-29-15	1-29-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*106*	*79-122*				
Toluene-d8	*100*	*80-120*				
4-Bromofluorobenzene	*100*	*80-120*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

VOLATILES by EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0129W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**9.76**	**9.76**	10.0	10.0	98	98	64-138	0	16	
Benzene	**9.63**	**9.87**	10.0	10.0	96	99	76-125	2	14	
Trichloroethene	**9.18**	**9.26**	10.0	10.0	92	93	70-125	1	16	
Toluene	**9.58**	**9.64**	10.0	10.0	96	96	75-125	1	15	
Chlorobenzene	**9.39**	**9.17**	10.0	10.0	94	92	80-140	2	15	
Surrogate:										
Dibromofluoromethane					*96*	*104*	*79-122*			
Toluene-d8					*98*	*100*	*80-120*			
4-Bromofluorobenzene					*95*	*95*	*80-120*			

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Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

1,2-DIBROMOETHANE (EDB)
EPA 8011

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B6-012715-GW**					
Laboratory ID:	01-203-05					
EDB	**ND**	0.010	EPA 8011	2-4-15	2-4-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*123*	*25-143*				

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Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

1,2-DIBROMOETHANE (EDB)
EPA 8011
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0204W1					
EDB	**ND**	0.010	EPA 8011	2-4-15	2-4-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*116*	*25-143*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0204W1										
	SB	SBD	SB	SBD		SB	SBD				
EDB	**0.110**	**0.110**	0.100	0.100	N/A	**110**	**110**	84-118	0	15	
Surrogate:											
TCMX						*112*	*112*	*25-143*			

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Date of Report: February 5, 2015
Samples Submitted: February 28, 2015
Laboratory Reference: 1501-203
Project: 1295-001

% MOISTURE

Date Analyzed: 1-29&2-2-15

Client ID	Lab ID	% Moisture
B6-2.5	01-203-01	10
B6-8.5	01-203-03	15
B6-11.5	01-203-04	11
B7-5.0	01-203-07	11
B7-8.0	01-203-09	20
B8-5.5	01-203-12	18
B9-5.0	01-203-15	10
B9-7.5	01-203-16	16

This report pertains to the samples analyzed in accordance with the chain of custody,
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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-napthalene) 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 method 8260C, 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

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

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: 1295-001
Project Name: ENDOLYNE GARDEN APARTMENTS
Project Manager: TAD CLINE
Sampled by: Ken Scott

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: 01-203

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	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 LEAD	TCLP Metals	HEM (oil and grease) 1664A	MTBE, EDB, EDC				% Moisture
1	B6-2.5	1/27/15	935	S	2		X																			X
2	B6-6.5		940	S	2																					
3	B6-8.5		945	S	2		X																			X
4	B6-11.5		950	S	2		X																			X
5	B6-012715-GW		1000	W	5 ~~3~~		X														X					
6	B7-2.0		1020	S	2																					
7	B7-5.0		1030	S	2		X																			X
8	B7-6.0		1040	S	2																					
9	B7-8.0		1050	S	2		X												X		X					X
10	B8-2.0	↓	1105	S	~~2~~																					

	Signature	Company	Date	Time
Relinquished	Ken Scott	FARALLON	1/27/15	1500
Received		ORE	1/28/15	1210
Relinquished				
Received				
Relinquished				
Received				

Comments/Special Instructions
The dissolved metal sample not field filtered. Please filter ASAP.

Reviewed/Date | Reviewed/Date | Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐ 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
Project Number: 1295-001
Project Name: ENDOLYNE GARDEN APARTMENTS
Project Manager: TAD CLINE
Sampled by: Ken Scott

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: 01-203

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	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 LEAD	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	MTBE, EDB, EDC					% Moisture
11	B8-5.0	1/27/15	1110	S	5																						
12	B8-5.5		1115	S	~~5~~ 2		X																				X
13	B9-1.5		1145	S	~~5~~ 2																						
14	B9-2.0		1150	S	~~5~~ 2																						
15	B9-5.0		1200	S	5		X																				X
16	B9-7.5	↓	1210	S	5		X											X				X					X

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished	Ken Scott	FARALLON	1/27/15	1500	See page #1.
Received		CORE	1/28/15	1210	
Relinquished					
Received					
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

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

March 15, 2016

Eric Buer
Farallon Consulting
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 1603-086

Dear Eric:

Enclosed are the analytical results and associated quality control data for samples submitted on March 9, 2016.

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

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

Date of Report: March 15, 2016
Samples Submitted: March 9, 2016
Laboratory Reference: 1603-086
Project: 1295-001

Case Narrative

Samples were collected on March 8, 2016 and received by the laboratory on March 9, 2016. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

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

NWTPH Gx/BTEX Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

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

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

Date of Report: March 15, 2016
Samples Submitted: March 9, 2016
Laboratory Reference: 1603-086
Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW2-8.3-030816**					
Laboratory ID:	03-086-02					
Benzene	**ND**	0.020	EPA 8021B	3-11-16	3-11-16	
Toluene	**ND**	0.064	EPA 8021B	3-11-16	3-11-16	
Ethyl Benzene	**ND**	0.064	EPA 8021B	3-11-16	3-11-16	
m,p-Xylene	**ND**	0.064	EPA 8021B	3-11-16	3-11-16	
o-Xylene	**ND**	0.064	EPA 8021B	3-11-16	3-11-16	
Gasoline	**ND**	6.4	NWTPH-Gx	3-11-16	3-11-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*102*	*68-129*				
Client ID:	**MW2-14.0-030816**					
Laboratory ID:	03-086-03					
Benzene	**ND**	0.020	EPA 8021B	3-11-16	3-11-16	
Toluene	**ND**	0.058	EPA 8021B	3-11-16	3-11-16	
Ethyl Benzene	**ND**	0.058	EPA 8021B	3-11-16	3-11-16	
m,p-Xylene	**ND**	0.058	EPA 8021B	3-11-16	3-11-16	
o-Xylene	**ND**	0.058	EPA 8021B	3-11-16	3-11-16	
Gasoline	**ND**	5.8	NWTPH-Gx	3-11-16	3-11-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*102*	*68-129*				
Client ID:	**MW3-9.0-030816**					
Laboratory ID:	03-086-06					
Benzene	**ND**	0.020	EPA 8021B	3-11-16	3-11-16	
Toluene	**ND**	0.071	EPA 8021B	3-11-16	3-11-16	
Ethyl Benzene	**ND**	0.071	EPA 8021B	3-11-16	3-11-16	
m,p-Xylene	**ND**	0.071	EPA 8021B	3-11-16	3-11-16	
o-Xylene	**ND**	0.071	EPA 8021B	3-11-16	3-11-16	
Gasoline	**ND**	7.1	NWTPH-Gx	3-11-16	3-11-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*100*	*68-129*				

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Date of Report: March 15, 2016
Samples Submitted: March 9, 2016
Laboratory Reference: 1603-086
Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW1-4.5-030816**					
Laboratory ID:	03-086-08					
Benzene	**ND**	0.020	EPA 8021B	3-11-16	3-11-16	
Toluene	**ND**	0.070	EPA 8021B	3-11-16	3-11-16	
Ethyl Benzene	**ND**	0.070	EPA 8021B	3-11-16	3-11-16	
m,p-Xylene	**ND**	0.070	EPA 8021B	3-11-16	3-11-16	
o-Xylene	**ND**	0.070	EPA 8021B	3-11-16	3-11-16	
Gasoline	**ND**	7.0	NWTPH-Gx	3-11-16	3-11-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*105*	*68-129*				
Client ID:	**MW1-8.5-030816**					
Laboratory ID:	03-086-09					
Benzene	**ND**	0.020	EPA 8021B	3-11-16	3-11-16	
Toluene	**ND**	0.063	EPA 8021B	3-11-16	3-11-16	
Ethyl Benzene	**ND**	0.063	EPA 8021B	3-11-16	3-11-16	
m,p-Xylene	**ND**	0.063	EPA 8021B	3-11-16	3-11-16	
o-Xylene	**ND**	0.063	EPA 8021B	3-11-16	3-11-16	
Gasoline	**10**	6.3	NWTPH-Gx	3-11-16	3-11-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*105*	*68-129*				

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Date of Report: March 15, 2016
Samples Submitted: March 9, 2016
Laboratory Reference: 1603-086
Project: 1295-001

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0311S1					
Benzene	**ND**	0.020	EPA 8021B	3-11-16	3-11-16	
Toluene	**ND**	0.050	EPA 8021B	3-11-16	3-11-16	
Ethyl Benzene	**ND**	0.050	EPA 8021B	3-11-16	3-11-16	
m,p-Xylene	**ND**	0.050	EPA 8021B	3-11-16	3-11-16	
o-Xylene	**ND**	0.050	EPA 8021B	3-11-16	3-11-16	
Gasoline	**ND**	5.0	NWTPH-Gx	3-11-16	3-11-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*99*	*68-129*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-086-02										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*102*	*104*	*68-129*			
SPIKE BLANKS											
Laboratory ID:	SB0311S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.985**	**1.07**	1.00	1.00		**99**	**107**	76-124	8	17	
Toluene	**0.958**	**1.06**	1.00	1.00		**96**	**106**	78-124	10	16	
Ethyl Benzene	**0.985**	**1.07**	1.00	1.00		**99**	**107**	77-123	8	17	
m,p-Xylene	**1.02**	**1.09**	1.00	1.00		**102**	**109**	78-124	7	17	
o-Xylene	**0.983**	**1.07**	1.00	1.00		**98**	**107**	76-123	8	18	
Surrogate:											
Fluorobenzene						*93*	*101*	*68-129*			

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 15, 2016
Samples Submitted: March 9, 2016
Laboratory Reference: 1603-086
Project: 1295-001

NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW2-8.3-030816**					
Laboratory ID:	03-086-02					
Diesel Range Organics	**ND**	31	NWTPH-Dx	3-11-16	3-11-16	
Lube Oil Range Organics	**260**	61	NWTPH-Dx	3-11-16	3-11-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*89*	*50-150*				
Client ID:	**MW2-14.0-030816**					
Laboratory ID:	03-086-03					
Diesel Range Organics	**ND**	29	NWTPH-Dx	3-11-16	3-11-16	
Lube Oil Range Organics	**ND**	58	NWTPH-Dx	3-11-16	3-11-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*109*	*50-150*				
Client ID:	**MW3-4.0-030816**					
Laboratory ID:	03-086-05					
Diesel Range Organics	**ND**	170	NWTPH-Dx	3-11-16	3-11-16	U1
Lube Oil	**1200**	59	NWTPH-Dx	3-11-16	3-11-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*94*	*50-150*				
Client ID:	**MW3-9.0-030816**					
Laboratory ID:	03-086-06					
Diesel Range Organics	**ND**	30	NWTPH-Dx	3-11-16	3-11-16	
Lube Oil Range Organics	**ND**	61	NWTPH-Dx	3-11-16	3-11-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*102*	*50-150*				

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Date of Report: March 15, 2016
Samples Submitted: March 9, 2016
Laboratory Reference: 1603-086
Project: 1295-001

NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0311S1					
Diesel Range Organics	**ND**	25	NWTPH-Dx	3-11-16	3-11-16	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	3-11-16	3-11-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*113*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-086-06										
	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						*102*	*91*	*50-150*			

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Date of Report: March 15, 2016
Samples Submitted: March 9, 2016
Laboratory Reference: 1603-086
Project: 1295-001

% MOISTURE

Date Analyzed: 3-10-16

Client ID	Lab ID	% Moisture
MW2-8.3-030816	03-086-02	18
MW2-14.0-030816	03-086-03	14
MW3-4.0-030816	03-086-05	15
MW3-9.0-030816	03-086-06	17
MW1-4.5-030816	03-086-08	16
MW1-8.5-030816	03-086-09	14

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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-napthalene) 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 method 8260C, 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

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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

Laboratory Number: 03-086

Company: FARALLON
Project Number: 1245-001
Project Name: ENDOLYNE APARTMENTS
Project Manager: ERIC BLER
Sampled by: A. SIGEL

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	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	MW2-4.5-030816	3/8/16	10:00	SOIL	3																	
2	MW2-8.3-030816		10:10		3		X		X													X
3	MW2-14.0-030816		10:20		3		X		X													X
4	MW3-2.0-030816		11:25		4																	
5	MW3-4.0-030816		13:45		4				X													X
6	MW3-9.0-030816		13:55		4		X		X													X
7	MW1-2.0-030816		14:25		5																	
8	MW1-4.5-030816		14:30		5		X															X
9	MW1-8.5-030816		14:40		5		X															X
					HES																	

	Signature	Company	Date	Time
Relinquished		FARALLON	3/9/16	10:20
Received		STL Seattle	3/9/16	1020
Relinquished				
Received				
Relinquished				
Received				

Comments/Special Instructions
WILL CALL FOR ANALYSIS
X Added 3/9/16 BLO
STA

Reviewed/Date _____ Reviewed/Date _____ Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

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

March 29, 2016

Eric Buer
Farallon Consulting
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 1603-151

Dear Eric:

Enclosed are the analytical results and associated quality control data for samples submitted on March 16, 2016.

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

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

Date of Report: March 29, 2016
Samples Submitted: March 16, 2016
Laboratory Reference: 1603-151
Project: 1295-001

Case Narrative

Samples were collected on March 15, 2016 and received by the laboratory on March 16, 2016. 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.

cPAHs + NAPTHALENES EPA 8270D/SIM Analysis

Sample MW-2-031516 had one surrogate recovery out of control limits. This is within allowance of our standard operating procedure as long as the recovery is above 10%.

Total Lead EPA 200.8 Analysis

The containers used for total lead analysis had an aliquot previously taken for filtration. The amount of solid left in the containers may not be representative of the original sample and may have effected the results.

Please note that any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

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Date of Report: March 29, 2016
Samples Submitted: March 16, 2016
Laboratory Reference: 1603-151
Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-2-031516**					
Laboratory ID:	03-151-01					
Benzene	**ND**	1.0	EPA 8021B	3-16-16	3-16-16	
Toluene	**ND**	1.0	EPA 8021B	3-16-16	3-16-16	
Ethyl Benzene	**ND**	1.0	EPA 8021B	3-16-16	3-16-16	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-16-16	3-16-16	
o-Xylene	**ND**	1.0	EPA 8021B	3-16-16	3-16-16	
Gasoline	**ND**	100	NWTPH-Gx	3-16-16	3-16-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*82*	*71-111*				
Client ID:	**MW-3-031516**					
Laboratory ID:	03-151-02					
Benzene	**ND**	1.0	EPA 8021B	3-16-16	3-16-16	
Toluene	**ND**	1.0	EPA 8021B	3-16-16	3-16-16	
Ethyl Benzene	**ND**	1.0	EPA 8021B	3-16-16	3-16-16	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-16-16	3-16-16	
o-Xylene	**ND**	1.0	EPA 8021B	3-16-16	3-16-16	
Gasoline	**ND**	100	NWTPH-Gx	3-16-16	3-16-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*84*	*71-111*				
Client ID:	**MW-1-031516**					
Laboratory ID:	03-151-03					
Benzene	**ND**	1.0	EPA 8021B	3-16-16	3-16-16	
Toluene	**ND**	1.0	EPA 8021B	3-16-16	3-16-16	
Ethyl Benzene	**ND**	1.0	EPA 8021B	3-16-16	3-16-16	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-16-16	3-16-16	
o-Xylene	**ND**	1.0	EPA 8021B	3-16-16	3-16-16	
Gasoline	**ND**	100	NWTPH-Gx	3-16-16	3-16-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*79*	*71-111*				

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Date of Report: March 29, 2016
Samples Submitted: March 16, 2016
Laboratory Reference: 1603-151
Project: 1295-001

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0316W1					
Benzene	**ND**	1.0	EPA 8021B	3-16-16	3-16-16	
Toluene	**ND**	1.0	EPA 8021B	3-16-16	3-16-16	
Ethyl Benzene	**ND**	1.0	EPA 8021B	3-16-16	3-16-16	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-16-16	3-16-16	
o-Xylene	**ND**	1.0	EPA 8021B	3-16-16	3-16-16	
Gasoline	**ND**	100	NWTPH-Gx	3-16-16	3-16-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*83*	*71-111*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-151-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*82*	*84*	*71-111*			
SPIKE BLANKS											
Laboratory ID:	SB0316W1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**46.5**	**47.9**	50.0	50.0		**93**	**96**	83-119	3	13	
Toluene	**47.4**	**47.9**	50.0	50.0		**95**	**96**	83-120	1	13	
Ethyl Benzene	**47.3**	**48.0**	50.0	50.0		**95**	**96**	82-120	1	12	
m,p-Xylene	**47.9**	**48.3**	50.0	50.0		**96**	**97**	80-122	1	13	
o-Xylene	**47.1**	**48.1**	50.0	50.0		**94**	**96**	80-120	2	10	
Surrogate:											
Fluorobenzene						*82*	*81*	*71-111*			

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Date of Report: March 29, 2016
Samples Submitted: March 16, 2016
Laboratory Reference: 1603-151
Project: 1295-001

NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-2-031516**					
Laboratory ID:	03-151-01					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	3-17-16	3-18-16	
Lube Oil Range Organics	**ND**	0.42	NWTPH-Dx	3-17-16	3-18-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*117*	*50-150*				
Client ID:	**MW-3-031516**					
Laboratory ID:	03-151-02					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	3-17-16	3-18-16	
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	3-17-16	3-18-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*99*	*50-150*				
Client ID:	**MW-1-031516**					
Laboratory ID:	03-151-03					
Diesel Range Organics	**ND**	0.28	NWTPH-Dx	3-17-16	3-18-16	
Lube Oil Range Organics	**ND**	0.45	NWTPH-Dx	3-17-16	3-18-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*108*	*50-150*				

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Date of Report: March 29, 2016
Samples Submitted: March 16, 2016
Laboratory Reference: 1603-151
Project: 1295-001

NWTPH-Dx
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0317W1					
Diesel Range Organics	**ND**	0.25	NWTPH-Dx	3-17-16	3-18-16	
Lube Oil Range Organics	**ND**	0.40	NWTPH-Dx	3-17-16	3-18-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*88*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-161-02										
	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						*109*	*110*	*50-150*			

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Date of Report: March 29, 2016
Samples Submitted: March 16, 2016
Laboratory Reference: 1603-151
Project: 1295-001

HALOGENATED VOLATILES EPA 8260C
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-2-031516**					
Laboratory ID:	03-151-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Chloromethane	ND	1.0	EPA 8260C	3-17-16	3-17-16	
Vinyl Chloride	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Bromomethane	ND	0.32	EPA 8260C	3-17-16	3-17-16	
Chloroethane	ND	1.0	EPA 8260C	3-17-16	3-17-16	
Trichlorofluoromethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,1-Dichloroethene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Iodomethane	ND	1.7	EPA 8260C	3-17-16	3-17-16	
Methylene Chloride	ND	1.0	EPA 8260C	3-17-16	3-17-16	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,1-Dichloroethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
2,2-Dichloropropane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Bromochloromethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Chloroform	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Carbon Tetrachloride	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,1-Dichloropropene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,2-Dichloroethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Trichloroethene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,2-Dichloropropane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Dibromomethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Bromodichloromethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	3-17-16	3-17-16	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	3-17-16	3-17-16	

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Date of Report: March 29, 2016
Samples Submitted: March 16, 2016
Laboratory Reference: 1603-151
Project: 1295-001

HALOGENATED VOLATILES EPA 8260C
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-2-031516**					
Laboratory ID:	03-151-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Tetrachloroethene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,3-Dichloropropane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Dibromochloromethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,2-Dibromoethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Chlorobenzene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Bromoform	ND	1.0	EPA 8260C	3-17-16	3-17-16	
Bromobenzene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
2-Chlorotoluene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
4-Chlorotoluene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	3-17-16	3-17-16	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Hexachlorobutadiene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*91*	*71-131*				
Toluene-d8	*98*	*80-120*				
4-Bromofluorobenzene	*98*	*80-120*				

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Date of Report: March 29, 2016
Samples Submitted: March 16, 2016
Laboratory Reference: 1603-151
Project: 1295-001

HALOGENATED VOLATILES EPA 8260C
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-3-031516**					
Laboratory ID:	03-151-02					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Chloromethane	ND	1.0	EPA 8260C	3-17-16	3-17-16	
Vinyl Chloride	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Bromomethane	ND	0.32	EPA 8260C	3-17-16	3-17-16	
Chloroethane	ND	1.0	EPA 8260C	3-17-16	3-17-16	
Trichlorofluoromethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,1-Dichloroethene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Iodomethane	ND	1.7	EPA 8260C	3-17-16	3-17-16	
Methylene Chloride	ND	1.0	EPA 8260C	3-17-16	3-17-16	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,1-Dichloroethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
2,2-Dichloropropane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Bromochloromethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Chloroform	0.22	0.20	EPA 8260C	3-17-16	3-17-16	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Carbon Tetrachloride	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,1-Dichloropropene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,2-Dichloroethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Trichloroethene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,2-Dichloropropane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Dibromomethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Bromodichloromethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	3-17-16	3-17-16	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	3-17-16	3-17-16	

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HALOGENATED VOLATILES EPA 8260C
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-3-031516**					
Laboratory ID:	03-151-02					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Tetrachloroethene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,3-Dichloropropane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Dibromochloromethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,2-Dibromoethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Chlorobenzene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Bromoform	ND	1.0	EPA 8260C	3-17-16	3-17-16	
Bromobenzene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
2-Chlorotoluene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
4-Chlorotoluene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	3-17-16	3-17-16	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Hexachlorobutadiene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*91*	*71-131*				
Toluene-d8	*97*	*80-120*				
4-Bromofluorobenzene	*96*	*80-120*				

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Date of Report: March 29, 2016
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HALOGENATED VOLATILES EPA 8260C
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-1-031516**					
Laboratory ID:	03-151-03					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Chloromethane	ND	1.0	EPA 8260C	3-17-16	3-17-16	
Vinyl Chloride	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Bromomethane	ND	0.32	EPA 8260C	3-17-16	3-17-16	
Chloroethane	ND	1.0	EPA 8260C	3-17-16	3-17-16	
Trichlorofluoromethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,1-Dichloroethene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Iodomethane	ND	1.7	EPA 8260C	3-17-16	3-17-16	
Methylene Chloride	ND	1.0	EPA 8260C	3-17-16	3-17-16	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,1-Dichloroethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
2,2-Dichloropropane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Bromochloromethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Chloroform	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Carbon Tetrachloride	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,1-Dichloropropene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,2-Dichloroethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Trichloroethene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,2-Dichloropropane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Dibromomethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Bromodichloromethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	3-17-16	3-17-16	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	3-17-16	3-17-16	

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HALOGENATED VOLATILES EPA 8260C
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-1-031516**					
Laboratory ID:	03-151-03					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Tetrachloroethene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,3-Dichloropropane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Dibromochloromethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,2-Dibromoethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Chlorobenzene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Bromoform	ND	1.0	EPA 8260C	3-17-16	3-17-16	
Bromobenzene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
2-Chlorotoluene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
4-Chlorotoluene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	3-17-16	3-17-16	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Hexachlorobutadiene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*94*	*71-131*				
Toluene-d8	*97*	*80-120*				
4-Bromofluorobenzene	*97*	*80-120*				

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Samples Submitted: March 16, 2016
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Project: 1295-001

HALOGENATED VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0317W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Chloromethane	ND	1.0	EPA 8260C	3-17-16	3-17-16	
Vinyl Chloride	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Bromomethane	ND	0.32	EPA 8260C	3-17-16	3-17-16	
Chloroethane	ND	1.0	EPA 8260C	3-17-16	3-17-16	
Trichlorofluoromethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,1-Dichloroethene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Iodomethane	ND	1.7	EPA 8260C	3-17-16	3-17-16	
Methylene Chloride	ND	1.0	EPA 8260C	3-17-16	3-17-16	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,1-Dichloroethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
2,2-Dichloropropane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Bromochloromethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Chloroform	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Carbon Tetrachloride	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,1-Dichloropropene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,2-Dichloroethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Trichloroethene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,2-Dichloropropane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Dibromomethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Bromodichloromethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	3-17-16	3-17-16	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	3-17-16	3-17-16	

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Samples Submitted: March 16, 2016
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Project: 1295-001

HALOGENATED VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0317W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Tetrachloroethene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,3-Dichloropropane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Dibromochloromethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,2-Dibromoethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Chlorobenzene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Bromoform	ND	1.0	EPA 8260C	3-17-16	3-17-16	
Bromobenzene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	3-17-16	3-17-16	
2-Chlorotoluene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
4-Chlorotoluene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	3-17-16	3-17-16	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Hexachlorobutadiene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	3-17-16	3-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*92*	*71-131*				
Toluene-d8	*98*	*80-120*				
4-Bromofluorobenzene	*97*	*80-120*				

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Samples Submitted: March 16, 2016
Laboratory Reference: 1603-151
Project: 1295-001

HALOGENATED VOLATILES EPA 8260C
MS/MSD 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:	03-161-02										
	MS	MSD	MS	MSD		MS	MSD				
1,1-Dichloroethene	**100**	**98.5**	100	100	ND	100	99	67-122	2	15	
Benzene	**92.6**	**92.9**	100	100	ND	93	93	76-120	0	15	
Trichloroethene	**122**	**126**	100	100	41.6	80	84	66-111	3	15	
Toluene	**102**	**101**	100	100	ND	102	101	75-120	1	15	
Chlorobenzene	**96.6**	**98.6**	100	100	ND	97	99	76-120	2	15	
Surrogate:											
Dibromofluoromethane						*91*	*90*	*71-131*			
Toluene-d8						*95*	*96*	*80-120*			
4-Bromofluorobenzene						*97*	*97*	*80-120*			

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Samples Submitted: March 16, 2016
Laboratory Reference: 1603-151
Project: 1295-001

cPAHs + NAPTHALENES EPA 8270D/SIM

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-2-031516**					
Laboratory ID:	03-151-01					
Naphthalene	**ND**	0.10	EPA 8270D/SIM	3-17-16	3-21-16	
2-Methylnaphthalene	**ND**	0.10	EPA 8270D/SIM	3-17-16	3-21-16	
1-Methylnaphthalene	**ND**	0.10	EPA 8270D/SIM	3-17-16	3-21-16	
Acenaphthylene	**ND**	0.10	EPA 8270D/SIM	3-17-16	3-21-16	
Acenaphthene	**ND**	0.10	EPA 8270D/SIM	3-17-16	3-21-16	
Fluorene	**ND**	0.10	EPA 8270D/SIM	3-17-16	3-21-16	
Phenanthrene	**ND**	0.10	EPA 8270D/SIM	3-17-16	3-21-16	
Anthracene	**ND**	0.10	EPA 8270D/SIM	3-17-16	3-21-16	
Fluoranthene	**ND**	0.10	EPA 8270D/SIM	3-17-16	3-21-16	
Pyrene	**ND**	0.10	EPA 8270D/SIM	3-17-16	3-21-16	
Benzo[a]anthracene	**0.037**	0.010	EPA 8270D/SIM	3-17-16	3-21-16	
Chrysene	**0.041**	0.010	EPA 8270D/SIM	3-17-16	3-21-16	
Benzo[b]fluoranthene	**0.044**	0.010	EPA 8270D/SIM	3-17-16	3-21-16	
Benzo(j,k)fluoranthene	**0.013**	0.010	EPA 8270D/SIM	3-17-16	3-21-16	
Benzo[a]pyrene	**0.030**	0.010	EPA 8270D/SIM	3-17-16	3-21-16	
Indeno(1,2,3-c,d)pyrene	**0.017**	0.010	EPA 8270D/SIM	3-17-16	3-21-16	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270D/SIM	3-17-16	3-21-16	
Benzo[g,h,i]perylene	**0.026**	0.010	EPA 8270D/SIM	3-17-16	3-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*53*	*33 - 117*				
Pyrene-d10	*94*	*35 - 140*				
Terphenyl-d14	*133*	*33 - 117*				Q

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Date of Report: March 29, 2016
Samples Submitted: March 16, 2016
Laboratory Reference: 1603-151
Project: 1295-001

cPAHs + NAPTHALENES EPA 8270D/SIM

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-3-031516**					
Laboratory ID:	03-151-02					
Naphthalene	**ND**	0.096	EPA 8270D/SIM	3-17-16	3-21-16	
2-Methylnaphthalene	**ND**	0.096	EPA 8270D/SIM	3-17-16	3-21-16	
1-Methylnaphthalene	**ND**	0.096	EPA 8270D/SIM	3-17-16	3-21-16	
Acenaphthylene	**ND**	0.096	EPA 8270D/SIM	3-17-16	3-21-16	
Acenaphthene	**ND**	0.096	EPA 8270D/SIM	3-17-16	3-21-16	
Fluorene	**ND**	0.096	EPA 8270D/SIM	3-17-16	3-21-16	
Phenanthrene	**ND**	0.096	EPA 8270D/SIM	3-17-16	3-21-16	
Anthracene	**ND**	0.096	EPA 8270D/SIM	3-17-16	3-21-16	
Fluoranthene	**ND**	0.096	EPA 8270D/SIM	3-17-16	3-21-16	
Pyrene	**ND**	0.096	EPA 8270D/SIM	3-17-16	3-21-16	
Benzo[a]anthracene	**0.014**	0.0096	EPA 8270D/SIM	3-17-16	3-21-16	
Chrysene	**ND**	0.0096	EPA 8270D/SIM	3-17-16	3-21-16	
Benzo[b]fluoranthene	**0.010**	0.0096	EPA 8270D/SIM	3-17-16	3-21-16	
Benzo(j,k)fluoranthene	**ND**	0.0096	EPA 8270D/SIM	3-17-16	3-21-16	
Benzo[a]pyrene	**ND**	0.0096	EPA 8270D/SIM	3-17-16	3-21-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0096	EPA 8270D/SIM	3-17-16	3-21-16	
Dibenz[a,h]anthracene	**ND**	0.0096	EPA 8270D/SIM	3-17-16	3-21-16	
Benzo[g,h,i]perylene	**ND**	0.0096	EPA 8270D/SIM	3-17-16	3-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*53*	*33 - 117*				
Pyrene-d10	*71*	*35 - 140*				
Terphenyl-d14	*77*	*33 - 117*				

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

Date of Report: March 29, 2016
Samples Submitted: March 16, 2016
Laboratory Reference: 1603-151
Project: 1295-001

cPAHs + NAPTHALENES EPA 8270D/SIM

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-1-031516**					
Laboratory ID:	03-151-03					
Naphthalene	**0.17**	0.10	EPA 8270D/SIM	3-17-16	3-21-16	
2-Methylnaphthalene	**ND**	0.10	EPA 8270D/SIM	3-17-16	3-21-16	
1-Methylnaphthalene	**ND**	0.10	EPA 8270D/SIM	3-17-16	3-21-16	
Acenaphthylene	**ND**	0.10	EPA 8270D/SIM	3-17-16	3-21-16	
Acenaphthene	**ND**	0.10	EPA 8270D/SIM	3-17-16	3-21-16	
Fluorene	**ND**	0.10	EPA 8270D/SIM	3-17-16	3-21-16	
Phenanthrene	**ND**	0.10	EPA 8270D/SIM	3-17-16	3-21-16	
Anthracene	**ND**	0.10	EPA 8270D/SIM	3-17-16	3-21-16	
Fluoranthene	**ND**	0.10	EPA 8270D/SIM	3-17-16	3-21-16	
Pyrene	**ND**	0.10	EPA 8270D/SIM	3-17-16	3-21-16	
Benzo[a]anthracene	**ND**	0.010	EPA 8270D/SIM	3-17-16	3-21-16	
Chrysene	**ND**	0.010	EPA 8270D/SIM	3-17-16	3-21-16	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270D/SIM	3-17-16	3-21-16	
Benzo(j,k)fluoranthene	**ND**	0.010	EPA 8270D/SIM	3-17-16	3-21-16	
Benzo[a]pyrene	**ND**	0.010	EPA 8270D/SIM	3-17-16	3-21-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.010	EPA 8270D/SIM	3-17-16	3-21-16	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270D/SIM	3-17-16	3-21-16	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270D/SIM	3-17-16	3-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*56*	*33 - 117*				
Pyrene-d10	*69*	*35 - 140*				
Terphenyl-d14	*68*	*33 - 117*				

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Date of Report: March 29, 2016
Samples Submitted: March 16, 2016
Laboratory Reference: 1603-151
Project: 1295-001

cPAHs + NAPTHALENES EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0317W1					
Naphthalene	**ND**	0.10	EPA 8270D/SIM	3-17-16	3-21-16	
2-Methylnaphthalene	**ND**	0.10	EPA 8270D/SIM	3-17-16	3-21-16	
1-Methylnaphthalene	**ND**	0.10	EPA 8270D/SIM	3-17-16	3-21-16	
Acenaphthylene	**ND**	0.10	EPA 8270D/SIM	3-17-16	3-21-16	
Acenaphthene	**ND**	0.10	EPA 8270D/SIM	3-17-16	3-21-16	
Fluorene	**ND**	0.10	EPA 8270D/SIM	3-17-16	3-21-16	
Phenanthrene	**ND**	0.10	EPA 8270D/SIM	3-17-16	3-21-16	
Anthracene	**ND**	0.10	EPA 8270D/SIM	3-17-16	3-21-16	
Fluoranthene	**ND**	0.10	EPA 8270D/SIM	3-17-16	3-21-16	
Pyrene	**ND**	0.10	EPA 8270D/SIM	3-17-16	3-21-16	
Benzo[a]anthracene	**ND**	0.010	EPA 8270D/SIM	3-17-16	3-21-16	
Chrysene	**ND**	0.010	EPA 8270D/SIM	3-17-16	3-21-16	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270D/SIM	3-17-16	3-21-16	
Benzo(j,k)fluoranthene	**ND**	0.010	EPA 8270D/SIM	3-17-16	3-21-16	
Benzo[a]pyrene	**ND**	0.010	EPA 8270D/SIM	3-17-16	3-21-16	
Indeno(1,2,3-c,d)pyrene	**ND**	0.010	EPA 8270D/SIM	3-17-16	3-21-16	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270D/SIM	3-17-16	3-21-16	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270D/SIM	3-17-16	3-21-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*58*	*33 - 117*				
Pyrene-d10	*85*	*35 - 140*				
Terphenyl-d14	*84*	*33 - 117*				

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 29, 2016
Samples Submitted: March 16, 2016
Laboratory Reference: 1603-151
Project: 1295-001

cPAHs + NAPTHALENES EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0317W1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.240**	**0.246**	0.500	0.500	48	49	46 - 99	2	37	
Acenaphthylene	**0.278**	**0.241**	0.500	0.500	56	48	37 - 116	14	26	
Acenaphthene	**0.266**	**0.257**	0.500	0.500	53	51	51 - 106	3	30	
Fluorene	**0.294**	**0.284**	0.500	0.500	59	57	55 - 108	3	31	
Phenanthrene	**0.292**	**0.282**	0.500	0.500	58	56	53 - 107	3	30	
Anthracene	**0.362**	**0.354**	0.500	0.500	72	71	52 - 140	2	27	
Fluoranthene	**0.400**	**0.383**	0.500	0.500	80	77	62 - 112	4	24	
Pyrene	**0.414**	**0.380**	0.500	0.500	83	76	59 - 118	9	28	
Benzo[a]anthracene	**0.377**	**0.369**	0.500	0.500	75	74	58 - 132	2	26	
Chrysene	**0.353**	**0.343**	0.500	0.500	71	69	63 - 113	3	25	
Benzo[b]fluoranthene	**0.413**	**0.380**	0.500	0.500	83	76	56 - 124	8	27	
Benzo(j,k)fluoranthene	**0.383**	**0.377**	0.500	0.500	77	75	62 - 121	2	31	
Benzo[a]pyrene	**0.380**	**0.357**	0.500	0.500	76	71	50 - 131	6	25	
Indeno(1,2,3-c,d)pyrene	**0.389**	**0.370**	0.500	0.500	78	74	60 - 120	5	26	
Dibenz[a,h]anthracene	**0.350**	**0.334**	0.500	0.500	70	67	61 - 115	5	26	
Benzo[g,h,i]perylene	**0.373**	**0.355**	0.500	0.500	75	71	60 - 116	5	26	
Surrogate:										
2-Fluorobiphenyl					*55*	*54*	*33 - 117*			
Pyrene-d10					*82*	*77*	*35 - 140*			
Terphenyl-d14					*78*	*75*	*33 - 117*			

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 29, 2016
Samples Submitted: March 16, 2016
Laboratory Reference: 1603-151
Project: 1295-001

DISSOLVED LEAD
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	03-151-01					
Client ID:	**MW-2-031516**					
Lead	**ND**	1.0	200.8	3-16-16	3-18-16	
Lab ID:	03-151-02					
Client ID:	**MW-3-031516**					
Lead	**ND**	1.0	200.8	3-16-16	3-18-16	
Lab ID:	03-151-03					
Client ID:	**MW-1-031516**					
Lead	**1.4**	1.0	200.8	3-16-16	3-18-16	

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Date of Report: March 29, 2016
Samples Submitted: March 16, 2016
Laboratory Reference: 1603-151
Project: 1295-001

DISSOLVED LEAD
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Filtered:	3-16-16
Date Analyzed:	3-18-16
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0316F1

Analyte	Method	Result	PQL
Lead	200.8	**ND**	1.0

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Date of Report: March 29, 2016
Samples Submitted: March 16, 2016
Laboratory Reference: 1603-151
Project: 1295-001

DISSOLVED LEAD
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Filtered: 3-16-16
Date Analyzed: 3-18-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: 03-116-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Lead	**ND**	**ND**	NA	1.0	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 29, 2016
Samples Submitted: March 16, 2016
Laboratory Reference: 1603-151
Project: 1295-001

DISSOLVED LEAD
EPA 200.8
MS/MSD QUALITY CONTROL

Date Filtered: 3-16-16
Date Analyzed: 3-18-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: 03-116-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Lead	200	**209**	104	**207**	104	1	

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Date of Report: March 29, 2016
Samples Submitted: March 16, 2016
Laboratory Reference: 1603-151
Project: 1295-001

1,2-DIBROMOETHANE (EDB)
EPA 8011

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-2-031516**					
Laboratory ID:	03-151-01					
EDB	**ND**	0.0097	EPA 8011	3-24-16	3-27-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*73*	*25-143*				
Client ID:	**MW-3-031516**					
Laboratory ID:	03-151-02					
EDB	**ND**	0.0096	EPA 8011	3-24-16	3-27-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*98*	*25-143*				
Client ID:	**MW-1-031516**					
Laboratory ID:	03-151-03					
EDB	**ND**	0.0098	EPA 8011	3-24-16	3-27-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*32*	*25-143*				

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Date of Report: March 29, 2016
Samples Submitted: March 16, 2016
Laboratory Reference: 1603-151
Project: 1295-001

1,2-DIBROMOETHANE (EDB)
EPA 8011
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0324W1					
EDB	**ND**	0.010	EPA 8011	3-24-16	3-27-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*113*	*25-143*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0324W1										
	SB	SBD	SB	SBD		SB	SBD				
EDB	**0.102**	**0.0931**	0.100	0.100	N/A	**102**	**93**	77-128	9	15	
Surrogate:											
TCMX						*125*	*129*	*25-143*			

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Date of Report: March 29, 2016
Samples Submitted: March 16, 2016
Laboratory Reference: 1603-151
Project: 1295-001

TOTAL LEAD
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	03-151-01					
Client ID:	**MW-2-031516**					
Lead	**2.7**	1.0	200.8	3-24-16	3-24-16	
Lab ID:	03-151-02					
Client ID:	**MW-3-031516**					
Lead	**ND**	1.0	200.8	3-24-16	3-24-16	
Lab ID:	03-151-03					
Client ID:	**MW-1-031516**					
Lead	**23**	1.0	200.8	3-24-16	3-24-16	

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Date of Report: March 29, 2016
Samples Submitted: March 16, 2016
Laboratory Reference: 1603-151
Project: 1295-001

TOTAL LEAD
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Extracted:	3-24-16
Date Analyzed:	3-24-16
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0324WH1

Analyte	Method	Result	PQL
Lead	200.8	**ND**	1.0

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Date of Report: March 29, 2016
Samples Submitted: March 16, 2016
Laboratory Reference: 1603-151
Project: 1295-001

TOTAL LEAD
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Extracted: 3-24-16
Date Analyzed: 3-24-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: 03-174-05

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Lead	**ND**	**ND**	NA	1.0	

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

Date of Report: March 29, 2016
Samples Submitted: March 16, 2016
Laboratory Reference: 1603-151
Project: 1295-001

TOTAL LEAD
EPA 200.8
MS/MSD QUALITY CONTROL

Date Extracted: 3-24-16
Date Analyzed: 3-24-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: 03-174-05

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Lead	100	**106**	106	**103**	103	3	

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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-napthalene) 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 method 8260C, 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

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

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

Laboratory Number: 03-151

Company: FARALLON
Project Number: 1295-001
Project Name: ENDOLYNE GARDEN APTS
Project Manager: ERIC BUER / TAD CLINE
Sampled by: Ken Smith & ANNA Sigel

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx / BTEX	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level) + NAPTHALENES	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	Dissolved Pb	MTBE, EDB, EDC	Total Lead		% Moisture
1	MW-2-031516	3/15/16	1035	W	13			X	X		X	X	X									X	X	X		
2	MW-3-031516	↓	1140	W	13			X	X		X	X	X									X	X	X		
3	MW-1-031516	↓	1230	W	13			X	X		X	X	X									X	X	X		

75

	Signature	Company	Date	Time
Relinquished	Ken Smith	FARALLON	3/15/16	1700
Received		CRC	3/16/16	1210
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
The dissolved Pb sample was "Not field filtered," please filter ASAP.
(X) Added 3/23/16 ~~3/30~~ STA

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐
Electronic Data Deliverables (EDDs) ☐ _____

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
PO Box 47600 • Olympia, WA 98504-7600 • 360-407-6000
711 for Washington Relay Service • Persons with a speech disability can call 877-833-6341

July 2, 2018

Mr. Steve Lazoff
Plus One Capital
2143 N Northlake Way, Suite C-1
Seattle, WA 98103

RE: Registration with the Underground Injection Control (UIC) Program, Endolyne Apartments, 9212 45th Avenue SW, Seattle, WA

Dear Mr. Lazoff:

This letter is to acknowledge receipt of your registration form received June 8, 2018 to register with the UIC Program the UIC wells at the above-mentioned site. The project will include:

- Two events using 8 direct push borings, located in the northwest portion of the site, to inject a total of 1,280 pounds of RegenOx Part A and B and 320 pounds or Oxygen Release Compound. Onsite groundwater is not approved for use to mix with the remediation products for injection.

- A start date in July 2018.

- Down-gradient groundwater monitoring for iron and sulfate. RegenOx Part B contains ferrous sulfate. Iron and sulfate are regulated by Water Quality Criteria for Ground Water of the State of Washington, chapter 173-200 WAC (GWQS). The sampling results should not exceed the GWQS criterion of 0.30 mg/l and 250 mg/l, respectively at monitoring wells located close to the property or plume boundary, FMW-06.

Clean up actions/sites that are not approved by WA State Department of Ecology under the Model Toxics Control Act (MTCA), chapter 70.105D RCW or approved by the United States Environmental Protection Agency under the Comprehensive Environmental Response Compensation and Liability Act, 42 U.S.C. 9601 et seq are required to meet the GWQS. The injected compounds are intended to improve groundwater quality. There are inherent environmental risks associated with injecting compounds into groundwater. Carefully characterize, manage, and monitor the site to minimize risk and prevent unforeseen degradation of groundwater quality. Mobilized metals or other substances, injected chemicals or hazardous bi-products, are not allowed to migrate beyond the site property boundary.

~~The two UIC Program requirements for rule authorization are, registration of UIC wells (prior to~~ use) and the discharge from the well must meet the nonendangerment standard, of WAC 173-218-080. The UIC site is number 34042. Listed below are the minimum requirements to meet the nonendangerment standard. Your site is conditionally rule authorized when the following have been met:

- Meet the GWQS, chapter 173-200-WAC;
- Complete a thorough site characterization including: geologic investigation, concentration and extent of contaminant plume, aquifer characteristics, and location of preferential migration pathways (natural and manmade);
- A groundwater monitoring program that includes: well location and sampling sufficient to characterize the background groundwater quality, the water quality at the point of compliance, and identify any changes in groundwater quality resulting from the injected compounds;
- Develop a conceptual site model that balances the injection rate, concentration, and total mass of injected compound with that of the subsurface oxidizable material. The model should predict the expected changes in groundwater chemistry over time, final groundwater quality at the point of compliance, and predicted restoration timeframe;
- Hydrologically contain within the site property boundaries, the injected compounds and any regulated substances mobilized by the injected products;
- Prepare a written contingency plan that describes, in detail, the actions to be taken in case of spills, failures, equipment breakdowns and/or unforeseen environmental degradation caused by the cleanup activities; and,
- Retain all plans, modeling, monitoring results, interim and final reports. Upon request, provide these documents to the Department of Ecology.

If ground water quality does not meet the GWQS at the point of compliance, you must notify the Department of Ecology within 24 hours of discovery.

At any time, the Department of Ecology may require you to apply for and obtain a Waste Discharge Permit for the continued use of these compounds.

A formal approval for this project may be obtained through the departments' State Waste Discharge Permit Program or the MTCA Program.

Please call me at (360) 407-6143 if you have any questions. Additional information on the UIC Program can also be found at our website
http://www.ecy.wa.gov/programs/wq/grndwtr/uic/index.html

Sincerely,

Mary S Hansen

Mary Shaleen-Hansen
UIC Coordinator
Water Quality Program

Cc: Lyndsey Needham, Farallon Consulting, LLC

FARALLON CONSULTING

Washington
Issaquah | Bellingham | Seattle
Oregon
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MONITORING WELL INSTALLATION AND SAMPLING REPORT

ENDOLYNE GARDEN APARTMENTS
9212 45th AVENUE SOUTHWEST
SEATTLE, WASHINGTON

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ACRONYMS AND ABBREVIATIONS

1989 UST Closure Report	Letter regarding Closure Report, Underground Storage Tanks, 14-Unit Apartment Building, 9212 45th Avenue, Seattle, Washington dated December 5, 1989, from Marc McGinnis and Don Spencer, Geotech Consultants, Inc. to Leon Cohen of Fauntleroy Associates
1989 UST Removal Report	Letter regarding Removal of Underground Storage Tanks, 14-Unit Apartment Building, 9212 45th Avenue S.W., Permit No. 645073, Seattle, Washington dated September 5, 1989, from Marc McGinnis, Geotech Consultants, Inc. to Faith Lumsden, City of Seattle Department of Construction and Land Use
2013 Phase I ESA	*Phase I Environmental Site Assessment Report, Endolyne Garden, 9212 and 9214 45th Avenue Southwest, King County Parcel No. 234670-0000, Seattle, King County, Washington* dated December 9, 2013, prepared by Terracon Consultants, Inc. for Intervest
2015 Limited Subsurface Investigation Report	Letter regarding Limited Subsurface Investigation—Summary of Results, Endolyne Garden Apartments, 9212 45th Avenue Southwest, Seattle, Washington dated May 1, 2015, from Thaddeus Cline and Clifford Schmitt of Farallon to Maureen Sanchez of Ecology VCP
2016 Limited Subsurface Investigation Report	Letter regarding Limited Subsurface Investigation—Summary of Results, Endolyne Garden Apartments, 9212 45th Avenue Southwest, Seattle, Washington dated June 6, 2016, from Eric Buer and Thaddeus Cline of Farallon to Endolyne Apartments, LLC c/o Steve Lazoff, Plus One Capital, LLC
bgs	below ground surface
BTEX	benezene, toluene, ethylbenzene, and xylenes
COCs	constituents of concern
DRO	total petroleum hydrocarbons as diesel-range organics
Ecology	Washington State Department of Ecology
EPA	U.S. Environmental Protection Agency
Farallon	Farallon Consulting, L.L.C.
GRO	total petroleum hydrocarbons as gasoline-range organics
µg/l	micrograms per liter
mg/kg	milligrams per kilogram
MTCA	Washington State Model Toxics Control Act Cleanup Regulation
ORO	total petroleum hydrocarbons as oil-range organics
Site	the property at 9212 45th Avenue Southwest in Seattle, Washington
TPH	total petroleum hydrocarbons
UST	Underground storage tank

1.0 INTRODUCTION

Farallon Consulting, L.L.C. (Farallon) has prepared this report on behalf of Endolyne Apartments, LLC (Endolyne) for the property at 9212 45th Avenue Southwest in Seattle, Washington (herein referred to as the Site) (Figure 1). This report summarizes the results of monitoring well installation and sampling activities conducted at the Site in August 2016 through April 2018. The monitoring well installation and sampling activities included advancement of four borings for collection of soil samples, completion of the four borings as monitoring wells, and groundwater monitoring and sampling of the four groundwater monitoring wells.

1.1 PURPOSE

The purpose of the work summarized herein was to further investigate soil and groundwater conditions at the Site following limited subsurface investigation activities conducted by Farallon in 2015 and 2016, which identified constituents of concern (COC) at concentrations exceeding Washington State Model Toxics Control Act Cleanup Regulation (MTCA) cleanup levels in soil and reconnaissance groundwater samples collected at the Site. Details of the 2015 and 2016 limited subsurface investigation activities are provided in letter reports referenced in Section 2.3, Previous Environmental Investigations.

1.2 ORGANIZATION

This report has been organized into the following sections:

- **Section 2**, **Background**, provides a description of the Site and its history, and a summary of previous environmental investigations.
- **Section 3**, **Monitoring Well Installation and Sampling Field Activities**, provides a description of the monitoring well installation and sampling activities conducted at the Site in August 2016 through April 2018.
- **Section 4**, **Monitoring Well Installation and Sampling Results**, presents the analytical results of soil and groundwater sampling conducted at the Site in August 2016 through April 2018.
- **Section 5**, **Conclusions**, presents a summary of Farallon's conclusions regarding the monitoring well installation and sampling activities conducted at the Site in August 2016 through April 2018.
- **Section 6**, **References**, presents a list of documents cited in this report.
- **Section 7**, **Limitations**, presents Farallon's standard limitations for this report.

2.0 BACKGROUND

This section provides a description of the Site and its history, and a summary of previous environmental investigations. The geographical location of the Site is depicted on Figure 1 and Site features are depicted on Figure 2.

2.1 SITE DESCRIPTION

The Site consists of King County Parcel No. 234670-0000, located at 9212 45th Avenue Southwest in Seattle, King County, Washington. Latitude and longitude coordinates for the approximate center of the 0.22-acre Site are 47º 31.262' north and 122º 23.399' west. The Site lies in Section 35 of Township 24 North, Range 3 East. City of Seattle land-use zoning for the Site is NC1-30, which is neighborhood commercial for small shopping and convenience retail services for residential neighborhoods. The Site is identified in the Washington State Department of Ecology (Ecology) Integrated Site Information System as "45th Ave SW Apartments" and "Endolyne Garden Apartments," and is listed under the following Ecology identification numbers: VCP No. NW2809, Cleanup Site No. 10264, and Facility No. 71883959. Site features are depicted on Figure 2. The Site is currently occupied by Endolyne Garden Apartments and Wildwood Market, a grocery market and restaurant.

2.2 SITE HISTORICAL USE

According to the letter regarding Limited Subsurface Investigation – Summary of Results, Endolyne Garden Apartments, 9212 45th Avenue Southwest, Seattle, Washington dated May 1, 2015, prepared for the Site by Farallon (2015) (2015 Limited Subsurface Investigation Report), a gas station and automotive repair shop reportedly operated at the Site from prior to 1940 until 1989, when the Site was redeveloped with the current apartment building and restaurant. During redevelopment activities in the late 1980s, six underground storage tanks (USTs) formerly used to store oil and gasoline were decommissioned by removal, as discussed in more detail below.

2.3 PREVIOUS ENVIRONMENTAL INVESTIGATIONS

Results from work previously conducted at the Site by Farallon and others are summarized in the following documents:

- Letter regarding Removal of Underground Storage Tanks, 14-Unit Apartment Building, 9212 45th Avenue S.W., Permit No. 645073, Seattle, Washington dated September 5, 1989, from Marc McGinnis of Geotech Consultants, Inc. (1989a) to Faith Lumsden of City of Seattle Department of Construction and Land Use (1989 UST Removal Report);
- Letter regarding Closure Report, Underground Storage Tanks, 14-Unit Apartment Building, 9212 45th Avenue, Seattle, Washington dated December 5, 1989, from Marc McGinnis and Don Spencer of Geotech Consultants, Inc. (1989b) to Fauntleroy Associates (1989 UST Closure Report);

- *Phase I Environmental Site Assessment, Endolyne Garden, 9212 and 9214 45th Avenue Southwest, King County Parcel No. 234670-0000, Seattle, King County, Washington* dated December 9, 2013, prepared by Terracon Consultants, Inc. (2013) for Intervest (2013 Phase I ESA);
- Letter regarding Limited Subsurface Investigation—Summary of Results, Endolyne Garden Apartments, 9212 45th Avenue Southwest, Seattle, Washington dated June 6, 2016, from Eric Buer and Thaddeus Cline of Farallon (2016) to Endolyne Apartments, LLC c/o Steve Lazoff, Plus One Capital, LLC (2016 Limited Subsurface Investigation Report).

2.3.1 UST Closure and Sampling – 1989

According to the 1989 UST Closure Report, six USTs were removed from the Site in 1989, as summarized in the table below. The approximate locations of the former USTs are shown on Figure 2.

Former Underground Storage Tanks				
Identification	**Previous Contents**	**Date of Removal**	**Estimated Capacity (gallons)**	**Estimated Bottom Depth (feet)**
UST 1	Heating Oil	7/17/1989	150	6
UST 2	Heating Oil	7/17/1989	330	6
UST 3	Gasoline	7/19/1989	5,000	12
UST 4	Gasoline	7/19/1989	5,000	12
UST 5	Gasoline	8/18/1989	1,000	8
UST 6	Gasoline	8/18/1989	1,000	8

According to the 1989 UST Removal Report, following removal of the two former oil USTs in the central portion of the Site, UST 1 and UST 2, soil samples were collected from the bottom and one sidewall of each excavation for laboratory analysis of total petroleum hydrocarbons (TPH). TPH was detected in soil samples collected from the excavations at concentrations ranging from 94 to 1,150 milligrams per kilogram (mg/kg), which do not exceed the current MTCA Method A cleanup level for TPH as oil-range organics (ORO) in soil of 2,000 mg/kg. At the time of the 1989 UST Removal Report, the applicable cleanup level for TPH in soil was 200 mg/kg. ORO was detected at a concentration of 1,150 mg/kg in the soil sample collected from the bottom of the westernmost former oil UST removed from the central portion of the Site, which exceeded the former cleanup level of 200 mg/kg. Based on the exceedance, approximately 5 cubic yards of petroleum-impacted soil was removed from the westernmost former oil UST excavation area. Following removal of petroleum-impacted soil, a soil sample was collected from the bottom of the excavation for laboratory analysis of TPH. TPH was not detected at a concentration exceeding the laboratory

practical quantitation limit of 5 mg/kg in the soil sample collected from the bottom of the excavation following removal of impacted soil.

According to the 1989 UST Removal Report, following removal of the two former gasoline USTs, UST 3 and UST 4, from the western portion of the Site, soil samples were collected from soil between the two former USTs, from the eastern sidewall of the excavation, and from stockpiled soil for laboratory analysis of benzene, toluene, ethylbenzene, and xylenes (BTEX). BTEX constituents were not detected at concentrations exceeding cleanup levels in effect at the time of the 1989 UST Removal Report or the current MTCA Method A cleanup levels in the soil samples collected from between the two former USTs, from the eastern sidewall of the excavation, or from stockpiled soil.

According to the 1989 UST Removal Report, following removal of the two former gasoline USTs, UST 5 and UST 6, from the southern portion of the Site, one soil sample was collected from beneath each former UST for laboratory analysis of BTEX. BTEX constituents were not detected at concentrations exceeding cleanup levels in effect at the time of the 1989 UST Removal Report or the current MTCA Method A cleanup levels in the soil samples collected from beneath the former gasoline USTs 5 and 6 in the southern portion of the Site.

According to the 1989 UST Closure Report, the analytical data from soil samples collected following removal of the former USTs at the Site suggests that concentrations of TPH and BTEX did not exceed applicable cleanup levels in soil in the vicinity of the former USTs following removal activities. Although analytical results presented in the 1989 UST Removal Report and the 1989 UST Closure Report indicate that TPH and BTEX were not detected at concentrations exceeding MTCA Method A cleanup levels in confirmation soil samples collected following UST removal activities conducted in 1989, the site assessment activities were not consistent with the current guidelines provided in Ecology's *Guidance for Site Checks and Site Assessment for Underground Storage Tanks* dated February 1991 and revised April 2003. The 2013 Phase I ESA identified the potential release of hazardous substances to the Site from former UST operations as a recognized environmental condition in connection with the Site based on the UST site assessment activities conducted in 1989 not being in conformance with Ecology's current guidance.

2.3.2 Limited Subsurface Investigation – 2015

Farallon conducted a limited subsurface investigation at the Site in January 2015 to investigate soil and groundwater conditions at the Site on behalf of Endolyne Apartments, LLC as documented in the 2015 Limited Subsurface Investigation Report. The limited subsurface investigation included advancement of nine direct-push borings for collection of soil and reconnaissance groundwater samples and advancement of two hand-auger borings that the drilling rig could not access. The approximate location of borings B1 through B11 are shown on Figure 2.

Soil samples were collected from the 11 borings advanced at the Site in 2015 at depths between 2.5 and 15.5 feet bgs. Soil samples were analyzed for a range of constituents that could be present from former UST operations. According to soil analytical results presented in the 2015 Limited Subsurface Investigation Report, TPH as gasoline-range organics (GRO) was detected at a

concentration of 63 mg/kg, which exceeds the MTCA Method A cleanup level of 30 mg/kg when benzene is present, in the soil sample collected from boring B3 at a depth of 11.5 feet bgs. Boring B3 was advanced proximate to former USTs 3 and 4 in the western portion of the Site. GRO was not detected at a concentration exceeding the MTCA Method A cleanup level in the soil sample collected from boring B3 at a depth of 15.5 feet bgs. No other analytes were detected at concentrations exceeding MTCA Method A cleanup levels in any of the other 19 soil samples collected from the 11 borings advanced at the Site in January 2015.

Groundwater was encountered at the Site at depths ranging from approximately 6 to 12 feet bgs during the 2015 limited subsurface investigation. Reconnaissance groundwater samples were collected from borings B2, B3, B4, and B6. GRO was detected at concentrations exceeding the MTCA Method A cleanup level of 800 µg/l in reconnaissance groundwater samples collected from borings B3 and B4. GRO was detected at a concentration of 15,000 micrograms per liter (µg/l) in the reconnaissance groundwater sample collected from boring B3 and at a concentration of 1,900 µg/l in the reconnaissance groundwater sample collected from boring B4. Benzene was detected at concentrations exceeding the MTCA Method A cleanup level of 5 µg/l in the reconnaissance groundwater samples collected from borings B3 and B4. Benzene was detected at a concentration of 18 µg/l in the reconnaissance groundwater sample collected from boring B3 and at a concentration of 5.9 µg/l in the reconnaissance groundwater sample collected from boring B4. Total lead was detected at a concentration of 1,300 µg/l in the reconnaissance groundwater sample collected from boring B4, which exceeds the MTCA Method A cleanup level of 15 µg/l. There was insufficient reconnaissance groundwater sample volume collected from boring B4 to analyze for dissolved lead to enable evaluation of whether the measured total lead concentration was attributable to dissolved lead or to suspended soil in the sample.

2.3.3 Additional Limited Subsurface Investigation - 2016

An additional subsurface investigation was conducted at the Site by Farallon in March 2016 and is documented in the 2016 Limited Subsurface Investigation Report. The March 2016 subsurface investigation included installation of groundwater monitoring wells FMW-1, FMW-2, and FMW-3. The monitoring well locations are shown on Figure 2. FMW-1 was installed northeast-adjacent to the former location of USTs 3 and 4. FMW-2 was installed in the northern portion of the Site in the presumed down-gradient groundwater flow direction from the former USTs. FMW-3 was installed north-adjacent to the former location of USTs 1 and 2.

Two soil samples were collected from the boring for installation of monitoring well FMW-1 at depths of 4.5 and 8.5 feet bgs for analysis of GRO and BTEX. GRO and BTEX were not detected at concentrations exceeding MTCA Method A cleanup levels in the boring for installation of monitoring well FMW-1, suggesting that the GRO impact previously identified in soil in boring B3 was restricted to the western portion of the Site. Two soil samples were also collected from the borings for installation of monitoring wells FMW-2 and FMW-3 for analysis of TPH as diesel-range organics (DRO), ORO, GRO, and BTEX, none of which were detected at concentrations exceeding MTCA Method A cleanup levels.

Groundwater samples were collected from monitoring wells FMW-1 through FMW-3 in March 2016 for laboratory analysis of DRO, ORO, GRO, BTEX, 1,2-dibromoethane, 1,2-dichloroethane, methyl tertiary butyl ether, naphthalene, carcinogenic polycyclic aromatic hydrocarbons, halogenated volatile organic compounds, total lead, and dissolved lead. No analytes were detected at concentrations exceeding MTCA Method A cleanup levels in any of the groundwater samples collected from monitoring wells FMW-1 through FMW-3 in March 2016 with the exception of total lead. Total lead was detected at a concentration of 23 µg/l in the groundwater sample collected from monitoring well FMW-1, which exceeds the MTCA Method A cleanup level of 15 ug/l. Dissolved lead was detected at a concentration of 1.4 µg/l in the groundwater sample collected from monitoring well FMW-1, suggesting that the concentration of total lead is likely being influenced by suspended soil particles in groundwater.

2.3.4 Remedial Actions - 2018

In August 2016 through April 2018, monitoring wells FMW-4 through FMW-7 were installed and sampled at the Site, as discussed in this report. Remedial actions, including in-situ chemical injections, were conducted at the Site beginning in July 2018. The remedial actions and subsequent confirmation groundwater sampling conducted beginning in July 2018 are not discussed in this report. Details regarding the remedial actions and subsequent groundwater sampling are provided in the Remedial Action Report currently being prepared for the Site by Farallon.

3.0 MONITORING WELL INSTALLATION AND SAMPLING METHODS

This section describes the methods used by Farallon for the installation and sampling of monitoring wells FMW-4 through FMW-7 in August 2016 through April 2018. Monitoring well FMW-4 was installed in August 2016, monitoring wells FMW-5 and FMW-6 were installed in October 2017, and monitoring well FMW-7 was installed in April 2018. Groundwater monitoring was conducted at the Site in August and November 2016; February, May, and October 2017; and April 2018.

The scope of work included the following activities:

- Locating and marking underground utilities at the proposed boring locations using a private utility location service, and contacting the One-Call Center for public utility location prior to drilling;
- Advancing four borings for the collection of soil samples, and installation of monitoring wells FMW-4 through FMW-7;
- Submitting soil samples collected at the Site for laboratory analysis;
- Developing monitoring wells following installation;
- Conducting groundwater monitoring and sampling of groundwater monitoring wells; and
- Submitting groundwater samples collected at the Site for laboratory analysis.

3.1 SOIL SAMPLING

Soil samples were collected from the borings advanced for installation of monitoring wells FMW-4, FMW-5, FMW-6, and FMW-7. The monitoring well locations are shown on Figure 2. Monitoring well FMW-4 was installed in August 2016. Monitoring wells FMW-5 and FMW-6 were installed in October 2017. Monitoring well FMW-7 was installed in April 2018. Detailed boring logs are provided in Appendix A.

Prior to commencement of drilling for installation of FMW-4 through FMW-7, Applied Professional Services of North Bend, Washington conducted a private utility location survey at the Site. Holocene Drilling, Inc. of Puyallup, Washington installed the borings for installation of monitoring wells FMW-4 through FMW-7. The boring for installation of FMW-4 was installed using an air-knife and vacuum truck, based on the proximity to an underground water utility. The borings for installation of FMW-5 through FMW-7 were installed using a direct-push drilling rig.

Each boring was advanced using a hand-auger to a depth of approximately 5 feet bgs to clear the boring location for potential underground utilities prior to drilling. The borings for installation of monitoring wells FMW-4, FMW-5, and FMW-7 were advanced to a total depth of 15 feet bgs. The boring for installation of monitoring well FMW-6 was advanced to a total depth of 20 feet bgs.

The boring for installation of monitoring well FMW-4 was sampled approximately every 5 feet by pausing air-knife and vacuum truck activity and using a hand-auger to collect samples. The borings for installation of monitoring wells FMW-5 through FMW-7 were sampled continuously from 5 feet bgs to the total depth of each boring using a 5-foot-long stainless steel sampler lined with a disposable polyethylene sleeve. The polyethylene sleeve was removed from the sampler and opened to expose the sample following completion of each sampling interval. Soil samples were described in accordance with the Unified Soil Classification System and ASTM International Standard ASTM D2488-06, *Standard Practice for Description and Identification of Soils;* evidence of potential contamination such as unusual odor, discoloration, or sheen was noted. The soil samples were screened in the field using a photoionization detector to evaluate for the presence of volatile organic vapors.

Soil samples were collected from the boring for installation of monitoring well FMW-4 from depths of 5, 10, and 15 feet bgs for laboratory analysis of GRO and BTEX. The soil sample collected from the boring for installation of monitoring well FMW-4 at a depth of 10 feet bgs was also analyzed for lead. Soil samples were collected from the boring for installation of monitoring well FMW-5 at depths of 11.5 and 14 feet bgs for laboratory analysis of GRO and BTEX. The soil sample collected from the boring for installation of monitoring well FMW-5 at a depth of 11.5 feet bgs was also analyzed for lead. One soil sample was collected from the boring for installation of monitoring well FMW-6 at a depth of 13 feet bgs for laboratory analysis of GRO and BTEX. One soil sample was collected from the boring for installation of monitoring well FMW-7 at a depth of 9 feet bgs for laboratory analysis of GRO, BTEX, and total lead.

Soil samples collected from the borings were transferred directly into laboratory-prepared containers. Care was taken to not handle the seals or the inside caps of the containers when samples were placed into the containers. Soil sample containers were clearly labeled using a unique sample number, and were immediately placed into an iced cooler. The soil samples were submitted under standard chain-of-custody protocols to OnSite Environmental Inc. of Redmond, Washington for laboratory analysis. Soil samples were analyzed for GRO by Northwest Method NWTPH-GX, BTEX by U.S. Environmental Protection Agency Method 8021B, and lead by U.S. Environmental Protection Agency Method 6010C/6010D.

3.1 MONITORING WELL INSTALLATION

The borings for monitoring wells FMW-5 through FMW-7 were over-drilled using 4-inch-diameter boring tools prior to well installation. Monitoring well FMW-4 was installed on August 3, 2016. Monitoring wells FMW-5 and FMW-6 were installed on October 10, 2017. Monitoring well FMW-7 was installed on April 10, 2018. Monitoring well locations are shown on Figure 2. Detailed boring logs are provided in Appendix A.

Monitoring wells FMW-4 through FMW-7 were constructed using 2-inch-diameter Schedule 40 polyvinyl chloride pipe with 0.010-inch slotted polyvinyl chloride well screen. Monitoring wells FMW-4, FMW-5, and FMW-7 were installed to a total depth of 14 feet bgs with screen intervals

set between 9 to 14 feet bgs. Monitoring well FMW-6 was installed to a total depth of 16 feet bgs with the screen interval set between 11 to 16 feet bgs.

A bentonite chip seal was emplaced above the 10/20 silica sand pack during installation of monitoring wells FMW-4 through FMW-7. Monitoring wells FMW-4 through FMW-7 were completed using flush-grade traffic-rated monuments encased in concrete.

3.1.1 Monitoring Well Development

Following installation, each monitoring well was developed to remove fine-grained materials from the screen and sand pack. A minimum of three to five well casing volumes of water was purged from each monitoring well during development.

3.1.2 Monitoring Well Survey

Monitoring wells FMW-4 through FMW-6 were surveyed by professional surveyors from PLS, Inc. of Issaquah, Washington on October 19, 2017. The monitoring wells were surveyed for northing and easting coordinates using the North American Vertical Datum of 1988 and the Washington State Plan Coordinate System of 1983/2011, North Zone. The monitoring wells were surveyed for elevation based on the Washington State Department of Transportation Monument No. 3558 with a published elevation of 41.71 feet. Monitoring well FMW-7 was surveyed for elevation by Farallon on April 18, 2018 using a laser level and previously surveyed monitoring wells FMW-5 and FMW-6 for reference. The survey elevation results are included in Table 1.

3.2 GROUNDWATER MONITORING AND SAMPLING

Groundwater elevation monitoring and sampling was conducted at monitoring wells FMW-1 through FMW-4 on August 10 and November 15, 2016; February 23, 2017; and May 18, 2017. Groundwater elevation monitoring and sampling was conducted at monitoring wells FMW-1 through FMW-6 on October 19, 2017. Groundwater elevation monitoring was conducted at monitoring wells FMW-1 through FMW-7 on April 18, 2018, and groundwater sampling was conducted at monitoring well FMW-7 only on April 18, 2018.

Monitoring well locations are shown on Figure 2. The field methods for measurement of groundwater elevation and collection of groundwater samples are described below.

3.2.1 Groundwater Elevation

The depth to groundwater in each monitoring well was measured using an electronic water-level indicator prior to sampling. The monitoring wells were opened, and the water levels were allowed to equilibrate for approximately 30 minutes before measurement. The groundwater level was measured to the surveyed reference point on the top of the well casing to derive the groundwater elevation at each monitoring well. Depth to groundwater measurements were completed for each of the wells monitored in approximately 20 minutes.

3.2.2 Groundwater Sample Collection

Before the monitoring wells were purged, the intake for the dedicated polyethylene tubing was placed approximately 1.5 to 2 feet below the depth to water in each monitoring well. Groundwater was purged from each well using a peristaltic pump at a flow rate of approximately 100 milliliters per minute. The flow rate was kept at no greater than approximately 100 milliliters per minute during sampling since significant drawdown occurs in Site monitoring wells while purging.

Field measurements for pH, temperature, specific conductivity, dissolved oxygen, turbidity, and oxidation-reduction potential were collected during purging of groundwater using a water-quality analyzer equipped with a flow-through cell. Groundwater samples were collected after the pH, temperature, and specific conductivity parameters stabilized. Stabilization for pH is determined as a change of plus or minus 0.1 pH unit between readings for three consecutive measurements, and for temperature and specific conductivity as a relative percent difference of less than 3 percent between readings for three consecutive measurements. In some cases, it was not possible to achieve stabilization prior to sampling due to significant water level drawdown during purging. In these instances, the monitoring well was purged dry, allowed to recharge, and sampled immediately following recharge.

Groundwater samples were collected from each well by discharging groundwater directly from the dedicated polyethylene tubing outlet into laboratory-prepared sample containers. The samples were labeled, placed on ice, and transported under chain-of-custody protocols to OnSite Environmental Inc.

3.2.3 Groundwater Analytical Methods

Groundwater samples collected from Site monitoring wells in August 2016 through April 2018 were submitted for laboratory analysis for GRO by Northwest Method NWTPH-GX, BTEX by U.S. Environmental Protection Agency Method 8021B, and lead by U.S. Environmental Protection Agency Method 6010C/6010D.

4.0 MONITORING WELL INSTALLATION AND SAMPLING RESULTS

The results from the monitoring well installation and sampling activities and laboratory analyses in August 2016 through April 2018 are presented below. Detailed boring logs for each boring are provided in Appendix A. The complete laboratory analytical reports for the soil and groundwater samples are provided in Appendix B.

4.1 SOIL CONDITIONS

The borings for installation of monitoring wells FMW-4, FMW-5, and FMW-7 were advanced to a total depth of 15 feet bgs. The boring for installation of monitoring well FMW-6 was advanced to a total depth of 20 feet bgs. Soil encountered during advancement of the borings generally consisted of sand with varying percentages of silt and gravel to a depth of approximately 4.5 to 6.5 feet bgs, followed by silt with varying percentages of sand and gravel to the total depth of the boring.

A slight petroleum-like odor was detected in the boring for monitoring well FMW-4 at a depth of 4.5 to 7 feet bgs. A petroleum-like odor was detected in the boring for installation of monitoring well FMW-5 at depths of 10 to 11.8 feet bgs and 11.8 to 13.2 feet bgs. A slight petroleum-like odor was observed in the boring for installation of monitoring well FMW-6 at a depth of 11.8 to 13.7 feet bgs. A slight petroleum-like odor was observed in the boring for installation of monitoring well FMW-7 at a depth of approximately 10 feet bgs. No staining was observed in any of the borings for installation of monitoring wells FMW-4 through FMW-7.

A slightly elevated PID reading was observed in soil from the boring for installation of monitoring well FMW-4 at a depth of 5 feet bgs at 25.7 parts per million (ppm)[1]. An elevated PID reading was observed in the boring for installation of monitoring well FMW-5 at a depth of 11.5 feet bgs at 314 ppm.

4.2 SOIL ANALYTICAL RESULTS

The analytical results for soil samples collected during installation of monitoring wells FMW-4 through FMW-7 are presented in Tables 2 and 3 and on Figure 3. GRO, BTEX, and lead were not detected at concentrations exceeding MTCA Method A cleanup levels in any of the soil samples collected from the borings for monitoring wells FMW-4 and FMW-7.

GRO was detected at concentrations exceeding the MTCA Method A cleanup level when benzene is present of 30 mg/kg in soil samples collected from the borings for monitoring wells FMW-5 and FMW-6. GRO was detected at a concentration of 130 mg/kg in the soil sample collected from the boring for monitoring well FMW-5 at a depth of 11.5 feet bgs but not detected at a concentration exceeding the MTCA Method A cleanup level in the soil sample collected at 14 feet bgs. GRO

[1] ppm total organic vapors as calibrated to 100 ppm isobutylene span gas and ambient air zero gas.

was detected at a concentration of 93 mg/kg in the soil sample collected from the boring for monitoring well FMW-6 at a depth of 13 feet bgs.

Benzene was detected at a concentration exceeding the MTCA Method A cleanup level of 0.03 mg/kg in soil samples collected from the borings for monitoring wells FMW-5 and FMW-6. Benzene was detected at a concentration of 0.043 mg/kg in the soil sample collected from the boring for monitoring well FMW-5 at a depth of 11.5 feet bgs, but was not detected at a concentration exceeding the MTCA Method A cleanup level in the soil sample collected at a depth of 14 feet bgs. Benzene was detected at a concentration of 0.036 mg/kg in the soil sample collected from the boring for monitoring well FMW-6 at a depth of 13 feet bgs.

Lead was not detected at a concentration exceeding the MTCA Method A cleanup level of 250 mg/kg in any of the soil samples collected during installation of monitoring wells FMW-4 through FMW-7.

4.3 GROUNDWATER MONITORING AND SAMPLING RESULTS

The following sections present the results from groundwater monitoring and sampling activities conducted at the Site in August 2016 through April 2018. A summary of groundwater elevation measurements is provided in Table 1. Tables 4 and 5 provide summaries of groundwater analytical results and MTCA cleanup levels for groundwater.

4.3.1 Groundwater Elevation

4.3.1.1 August 2016

Groundwater elevations at the Site were measured on August 10, 2016 at monitoring wells FMW-1 through FMW-5. The groundwater elevations measured in August 2016 ranged from 78.22 feet above mean sea level in monitoring well FMW-2 to 84.01 feet above mean sea level in monitoring well FMW-1. Figure 4 depicts groundwater elevation contours as measured on August 10, 2016. Based on these groundwater elevation measurements, the groundwater flow direction at the Site is generally to the northwest.

4.3.1.2 November 2016

Groundwater elevations at the Site were measured on November 15, 2021 at monitoring wells FMW-1 through FMW-5. The groundwater elevations measured in November 2016 ranged from 83.62 feet above mean sea level in monitoring well FMW-4 to 85.26 feet above mean sea level in monitoring well FMW-1. Figure 5 depicts groundwater elevation contours as measured on November 15, 2016. Based on these groundwater elevation measurements, the groundwater flow direction at the Site is generally to the northwest.

4.3.1.3 February 2017

Groundwater elevations at the Site were measured on February 23, 2017 at monitoring wells FMW-1 through FMW-4. The groundwater elevations measured in February 2017 ranged from 81.80 feet above mean sea level in monitoring well FMW-2 to 85.25 feet

above mean sea level in monitoring well FMW-1. Figure 6 depicts groundwater elevation contours as measured on February 23, 2017. Based on these groundwater elevation measurements, the groundwater flow direction at the Site is generally to the northwest.

4.3.1.4 May 2017

Groundwater elevations at the Site were measured on May 18, 2017 at monitoring wells FMW-1 through FMW-4. The groundwater elevations measured in May 2017 ranged from 80.80 feet above mean sea level in monitoring well FMW-2 to 84.74 feet above mean sea level in monitoring well FMW-1. Figure 7 depicts groundwater elevation contours as measured on May 18, 2017. Based on these groundwater elevation measurements, the groundwater flow direction at the Site is generally to the northwest.

4.3.1.5 October 2017

Groundwater elevations at the Site were measured on October 19, 2017 at monitoring wells FMW-1 through FMW-6. The groundwater elevations measured in October 2017 ranged from 78.36 feet above mean sea level in monitoring well FMW-6 to 83.65 feet above mean sea level in monitoring well FMW-1. Figure 8 depicts groundwater elevation contours as measured on October 19, 2017. Based on these groundwater elevation measurements, the groundwater flow direction at the Site is generally to the northwest.

4.3.1.6 April 2018

Groundwater elevations at the Site were measured on April 18, 2018 at monitoring wells FMW-1 through FMW-7. The groundwater elevations measured in April 2018 ranged from 80.11 feet above mean sea level in monitoring well FMW-6 to 84.95 feet above mean sea level in monitoring well FMW-1. Figure 9 depicts groundwater elevation contours as measured on April 18, 2018. Based on these groundwater elevation measurements, the groundwater flow direction at the Site is generally to the northwest.

4.3.2 Groundwater Analytical Results

Groundwater samples were collected from Site monitoring wells in August 2016 through April 2018. Tables 4 and 5 and Figures 10 and 11 provide summaries of groundwater analytical results and MTCA cleanup levels for groundwater. A summary of analytical results for each sampling event is provided below.

4.3.2.1 August 2016

Groundwater samples were collected from monitoring wells FMW-1 through FMW-4 on August 10 and 11, 2016. GRO was detected at a concentration of 150 µg/l in the groundwater sample collected from monitoring well FMW-1, which does not exceed the MTCA Method A cleanup level of 800 µg/l. GRO was not detected at concentrations exceeding the laboratory practical quantitation limit or the MTCA Method A cleanup level in the groundwater samples collected from monitoring wells FMW-2 through FMW-4 in August 2016. BTEX was not detected at concentrations exceeding laboratory practical

quantitation limits or the MTCA Method A cleanup levels in the groundwater samples collected from monitoring wells FMW-1 through FMW-4 in August 2016.

Total lead was detected at a concentration of 49 µg/l in the groundwater sample collected from monitoring well FMW-1 in August 2016, which exceeds the MTCA Method A cleanup level of 15 µg/l. Total lead was not detected at concentrations exceeding the MTCA cleanup level in groundwater samples collected from monitoring wells FMW-3 and FMW-4 in August 2016. Total lead was not analyzed in the groundwater sample collected from monitoring well FMW-2 in August 2016 due to insufficient sample volume as a result of the well purging dry during sampling.

4.3.2.2 November 2016

Groundwater samples were collected from monitoring wells FMW-1 through FMW-4 on November 15, 2016. GRO was detected at a concentration of 110 µg/l in the groundwater sample collected from monitoring well FMW-1, which does not exceed the MTCA Method A cleanup level of 800 µg/l. GRO was not detected at concentrations exceeding the laboratory practical quantitation limit or the MTCA Method A cleanup level in the groundwater samples collected from monitoring wells FMW-2 through FMW-4. BTEX constituents were not detected at concentrations exceeding laboratory practical quantitation limits or the MTCA Method A cleanup levels in the groundwater samples collected from monitoring wells FMW-1 through FMW-4 in November 2016.

Total lead was detected at a concentration of 26 µg/l in the groundwater sample collected from monitoring well FMW-1 in November 2016, which exceeds the MTCA Method A cleanup level of 15 µg/l. Dissolved lead was not detected at a concentration exceeding the laboratory practical quantitation limit or the MTCA Method A cleanup level in the groundwater sample collected from monitoring well FMW-1 in November 2016. Total and dissolved lead were not detected at concentrations exceeding the MTCA cleanup level in groundwater samples collected from monitoring wells FMW-2 through FMW-4 in November 2016.

4.3.2.3 February 2017

Groundwater samples were collected from monitoring wells FMW-1 through FMW-4 on February 23, 2017. GRO was detected at a concentration of 210 µg/l in the groundwater sample collected from monitoring well FMW-1, which does not exceed the MTCA Method A cleanup level of 800 µg/l. GRO was not detected at concentrations exceeding the laboratory practical quantitation limit or the MTCA Method A cleanup level in the groundwater samples collected from monitoring wells FMW-2 through FMW-4. BTEX constituents were not detected at concentrations exceeding laboratory practical quantitation limits or the MTCA Method A cleanup levels in the groundwater samples collected from monitoring wells FMW-1 through FMW-4 in February 2017.

Total lead was detected at a concentration of 17 µg/l in the groundwater sample collected from monitoring well FMW-1 and at a concentration of 84 µg/l in the groundwater sample collected from monitoring well FMW-2, both of which exceed the MTCA Method A cleanup level of 15 µg/l. Dissolved lead was not detected at a concentration exceeding the laboratory practical quantitation limit or the MTCA Method A cleanup level in the groundwater samples collected from monitoring wells FMW-1 and FMW-2 in February 2017. Total and dissolved lead were not detected at concentrations exceeding the MTCA cleanup level in groundwater samples collected from monitoring wells FMW-3 and FMW-4 in February 2017.

4.3.2.4 May 2017

Groundwater samples were collected from monitoring wells FMW-1 through FMW-4 on May 18, 2017. GRO was detected at a concentration of 150 µg/l in the groundwater sample collected from monitoring well FMW-1, which does not exceed the MTCA Method A cleanup level of 800 µg/l. GRO was not detected at concentrations exceeding the laboratory practical quantitation limit or the MTCA Method A cleanup level in the groundwater samples collected from monitoring wells FMW-2 through FMW-4. BTEX constituents were not detected at concentrations exceeding laboratory practical quantitation limits or the MTCA Method A cleanup levels in the groundwater samples collected from monitoring wells FMW-1 through FMW-4 in May 2017.

Total lead was detected at concentrations exceeding the MTCA Method A cleanup level of 15 µg/l in the groundwater sample collected from monitoring wells FMW-1 and FMW-3. Total lead was detected at a concentration of 42 µg/l in the groundwater sample collected from monitoring well FMW-1 and at a concentration of 56 µg/l in the groundwater sample collected from monitoring well FMW-3. Dissolved lead was not detected at concentrations exceeding the laboratory practical quantitation limit in the groundwater samples collected from monitoring wells FMW-1 and FMW-3. Total and dissolved lead were not detected at concentrations exceeding the MTCA cleanup level in groundwater samples collected from monitoring wells FMW-3 and FMW-4 in May 2017.

4.3.2.5 October 2017

Groundwater samples were collected from monitoring wells FMW-1 through FMW-6 on May 18, 2017. GRO was detected at a concentration of 130 µg/l in the groundwater sample collected from monitoring well FMW-6, which does not exceed the MTCA Method A cleanup level of 800 µg/l. GRO was detected at a concentration of 4,100 µg/l in the groundwater sample collected from monitoring well FMW-5, which exceeds the MTCA Method A cleanup level. GRO was not detected at concentrations exceeding the MTCA Method A cleanup level in the groundwater samples collected from monitoring wells FMW-1 through FMW-4. BTEX constituents were not detected at concentrations exceeding MTCA Method A cleanup levels in the groundwater samples collected from monitoring wells FMW-1 through FMW-6 in October 2017. Total and dissolved lead were not detected at concentrations exceeding the MTCA Method A cleanup level in the

groundwater samples collected from monitoring wells FMW-1 through FMW-6 in October 2017.

4.3.2.6 April 2017

Groundwater sampling was conducted at monitoring well FMW-7 only in late April 2017, following installation of the well in early April 2017. GRO, BTEX, total lead, and dissolved lead were not detected at concentrations exceeding MTCA Method A cleanup levels in the groundwater sample collected from monitoring well FMW-7 in April 2017.

5.0 CONCLUSIONS

The analytical results of soil samples collected during installation of monitoring wells FMW-4 through FMW-7 in 2016 through 2018 indicate that GRO and benzene were present at concentrations exceeding MTCA Method A cleanup levels in soil samples collected from the borings for installation of monitoring wells FMW-5 and FMW-6.

The analytical results of groundwater sampling conducted at the Site in August 2016 through April 2018 indicate that GRO was present at a concentration exceeding the MTCA Method A cleanup level in the groundwater sample collected from monitoring well FMW-5 in October 2017. BTEX constituents were not detected at concentrations exceeding MTCA Method A cleanup levels in the groundwater sample collected from monitoring well FMW-5 in October 2017. GRO and BTEX were not detected at concentrations exceeding the MTCA Method A cleanup levels in groundwater samples collected from monitoring wells FMW-1 through FMW-4, FMW-6, and FMW-7 during groundwater sampling events conducted in August 2016 through April 2018.

Total lead was detected at concentrations exceeding the MTCA Method A cleanup level in groundwater samples collected from monitoring well FMW-1 in August and November 2016, February 2017, and May 2017; from monitoring well FMW-2 in February 2017; and from monitoring well FMW-3 in May 2017. Dissolved lead was not detected at a concentration exceeding the MTCA cleanup level in any of the groundwater samples collected from monitoring wells FMW-1 through FMW-7 in August 2016 through April 2018. The detections of total lead in groundwater samples collected from Site monitoring wells is likely related to suspended sediment in the groundwater samples.

6.0 REFERENCES

Farallon Consulting, L.L.C. (Farallon). 2015. Letter Regarding Limited Subsurface Investigation – Summary of Results, Endolyne Garden Apartments, 9212 45th Avenue Southwest, Seattle, Washington. From Thaddeus Cline and Clifford T. Schmitt. To Maureen Sanchez, Ecology. May 1.

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Washington State Department of Ecology. 1991. *Guidance for Site Checks and Site Assessments for Underground Storage Tanks.* Revised April 2003.

7.0 LIMITATIONS

7.1 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 Endolyne Apartments, LLC, and currently accepted industry standards. No other warranties, representations, or certifications are made.

7.2 LIMITATION ON RELIANCE BY THIRD PARTIES

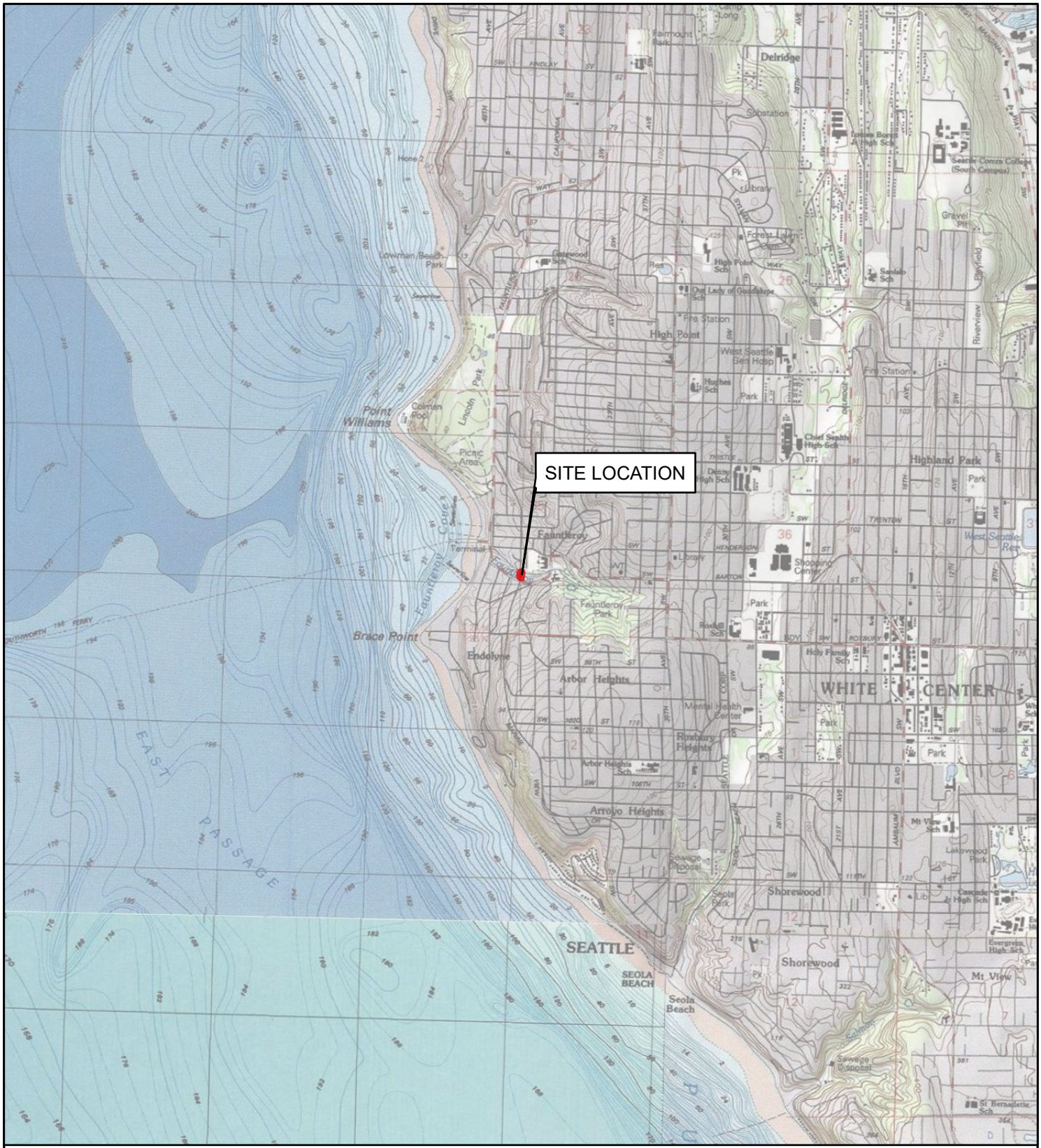
Reliance by third parties is prohibited. This report/assessment has been prepared for the exclusive use of Endolyne Apartments, LLC to address the unique needs of Endolyne Apartments, LLC at the Site at a specific point in time.

This is not a general grant of reliance. No one other than Endolyne Apartments, 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

MONITORING WELL INSTALLATION AND SAMPLING REPORT
Endolyne Garden Apartments
Seattle, Washington

Farallon PN: 1295-001



REFERENCE: 7.5 MINUTE USGS QUADRANGLE DUWAMISH HEAD, WASHINGTON, DATED 2013

0 3,000
SCALE IN FEET

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FIGURE 1

SITE VICINITY MAP
ENDOLYNE GARDEN APARTMENTS
9212 45th AVENUE SOUTHWEST
SEATTLE, WASHINGTON

FARALLON PN: 1295-001

Drawn By: TPerrin | Checked By: LN | Date: 5/4/2021

Disc Reference:
Path: Q:\Projects\1295_Endolyne\Mapfiles\Figure-01_VicinityMap_WA.mxd

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER
- STORM DRAIN
- GAS LINE
- UTILITY LOCATION UNKNOWN
- WATER METER
- GAS METER
- HYDRANT
- WATER MANHOLE
- SANITARY SEWER MANHOLE
- UNKNOWN UTILITY VAULT OR MANHOLE

FMW-1 MONITORING WELL LOCATION

B3 BORING LOCATION WITH RECONNAISSANCE GROUNDWATER SAMPLE

B1 BORING LOCATION

FORMER UNDERGROUND STORAGE TANK (UST)

SLOPE ASPECT INDICATOR WITH "V" OPENING IN UPHILL DIRECTION

ALL LOCATIONS ARE APPROXIMATE

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FIGURE 2

SITE MAP
ENDOLYNE GARDEN APARTMENTS
9212 45TH AVENUE SOUTHWEST
SEATTLE, WASHINGTON

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APPROXIMATE PROPERTY BOUNDARY

FORMER UNDERGROUND STORAGE TANK (UST)

SLOPE ASPECT INDICATOR WITH "V" OPENING IN UPHILL DIRECTION

FMW-1 MONITORING WELL LOCATION

B3 BORING LOCATION WITH RECONNAISSANCE GROUNDWATER SAMPLE

B1 SOIL BORING LOCATION

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LEGEND

ALL SOIL ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM
SOIL ANALYTICAL RESULTS REPORTED AS: [DEPTH BGS|GRO|B|T|E|X]

BGS = BELOW GROUND SURFACE
GRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS DIESEL-RANGE ORGANICS
B = BENZENE
T = TOLUENE
E = ETHYLBENZENE
X = TOTAL XYLENES

< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE LISTED REPORTING LIMIT

BOLD = DENOTES CONCENTRATIONS THAT EXCEED THE WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION CLEANUP LEVEL

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FIGURE 3

SITE PLAN WITH SOIL ANALYTICAL RESULTS FOR TPH AS GRO AND BTEX - AUGUST 2016 - APRIL 2018
ENDOLYNE GARDEN APARTMENTS
9212 45TH AVENUE SOUTHWEST
SEATTLE, WASHINGTON

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LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER
- STORM DRAIN
- GAS LINE
- UTILITY LOCATION UNKNOWN
- WATER METER
- GAS METER
- HYDRANT
- WATER MANHOLE
- SANITARY SEWER MANHOLE
- UNKNOWN UTILITY VAULT OR MANHOLE

FMW-01 MONITORING WELL LOCATION

(84.01) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL

84.00 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

FORMER UNDERGROUND STORAGE TANK

SLOPE ASPECT INDICATOR WITH "V" OPENING IN UPHILL DIRECTION

0 20
SCALE IN FEET

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FIGURE 4

GROUNDWATER ELEVATION CONTOUR MAP
AUGUST 10, 2016
ENDOLYNE GARDEN APARTMENTS
9212 45TH AVENUE SOUTHWEST
SEATTLE, WASHINGTON

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LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER
- STORM DRAIN
- GAS LINE
- UTILITY LOCATION UNKNOWN
- WATER METER
- GAS METER
- HYDRANT
- WATER MANHOLE
- SANITARY SEWER MANHOLE
- UNKNOWN UTILITY VAULT OR MANHOLE

FMW-01 MONITORING WELL LOCATION

(84.69) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL

84.00 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

FORMER UNDERGROUND STORAGE TANK

SLOPE ASPECT INDICATOR WITH "V" OPENING IN UPHILL DIRECTION

0 20
SCALE IN FEET

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FIGURE 5

GROUNDWATER ELEVATION CONTOUR MAP
NOVEMBER 15, 2016
ENDOLYNE GARDEN APARTMENTS
9212 45TH AVENUE SOUTHWEST
SEATTLE, WASHINGTON

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LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER
- STORM DRAIN
- GAS LINE
- UTILITY LOCATION UNKNOWN
- WATER METER
- GAS METER
- HYDRANT
- WATER MANHOLE
- SANITARY SEWER MANHOLE
- UNKNOWN UTILITY VAULT OR MANHOLE

FMW-01 MONITORING WELL LOCATION

(84.61) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL

84.00 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

FORMER UNDERGROUND STORAGE TANK

SLOPE ASPECT INDICATOR WITH "V" OPENING IN UPHILL DIRECTION

0 20
SCALE IN FEET

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FIGURE 6

GROUNDWATER ELEVATION CONTOUR MAP
FEBRUARY 23, 2017
ENDOLYNE GARDEN APARTMENTS
9212 45TH AVENUE SOUTHWEST
SEATTLE, WASHINGTON

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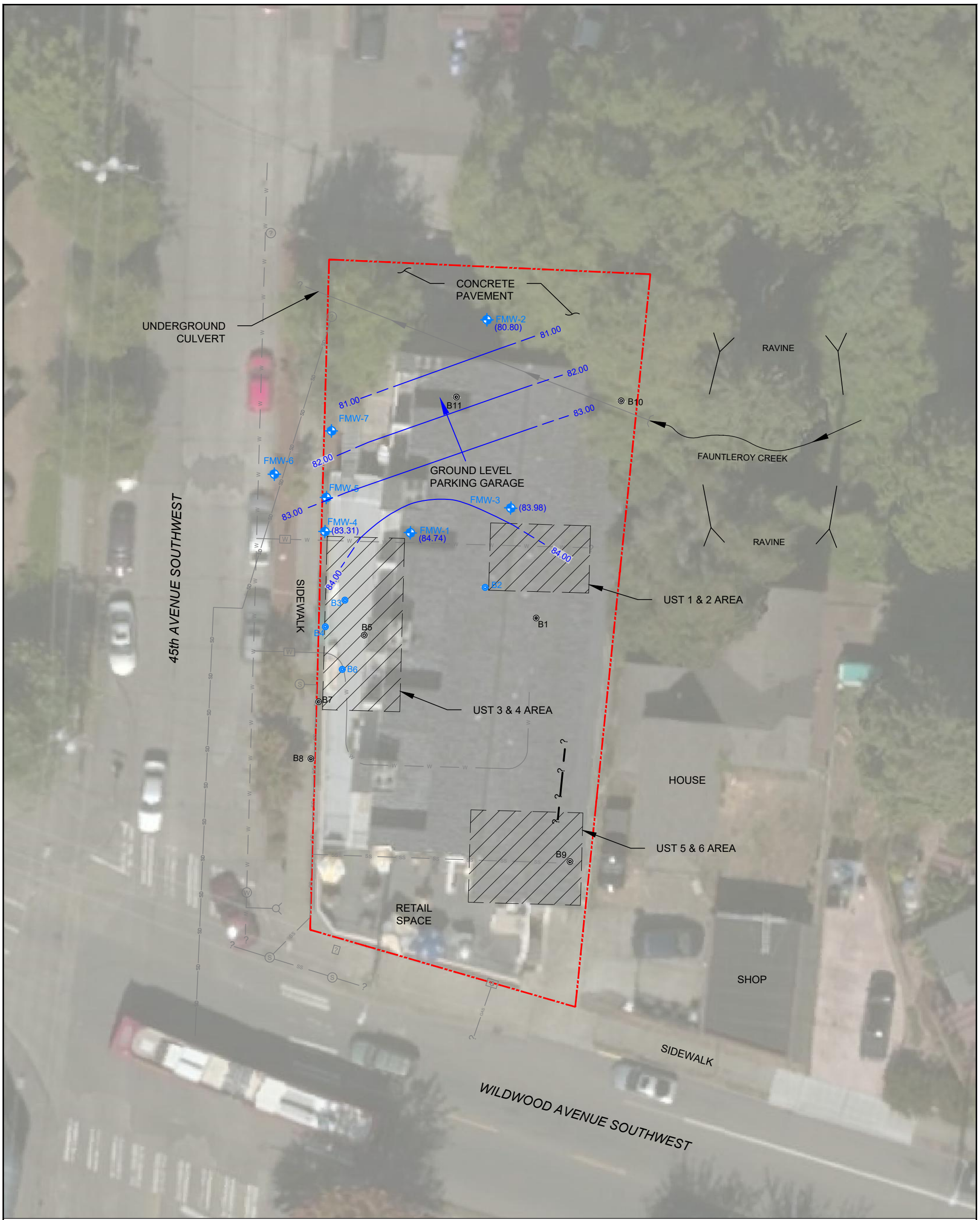

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER
- STORM DRAIN
- GAS LINE
- UTILITY LOCATION UNKNOWN
- WATER METER
- GAS METER
- HYDRANT
- WATER MANHOLE
- SANITARY SEWER MANHOLE
- UNKNOWN UTILITY VAULT OR MANHOLE

FMW-01 — MONITORING WELL LOCATION

(84.74) — GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL

84.00 — GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

FORMER UNDERGROUND STORAGE TANK

SLOPE ASPECT INDICATOR WITH "V" OPENING IN UPHILL DIRECTION

0 20
SCALE IN FEET

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FIGURE 7

GROUNDWATER ELEVATION CONTOUR MAP
MAY 18, 2017
ENDOLYNE GARDEN APARTMENTS
9212 45TH AVENUE SOUTHWEST
SEATTLE, WASHINGTON

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LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER
- STORM DRAIN
- GAS LINE
- UTILITY LOCATION UNKNOWN
- WATER METER
- GAS METER
- HYDRANT
- WATER MANHOLE
- SANITARY SEWER MANHOLE
- UNKNOWN UTILITY VAULT OR MANHOLE

FMW-01 MONITORING WELL LOCATION

(83.65) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL

83.00 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

FORMER UNDERGROUND STORAGE TANK

SLOPE ASPECT INDICATOR WITH "V" OPENING IN UPHILL DIRECTION

0 20
SCALE IN FEET

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FIGURE 8

GROUNDWATER ELEVATION CONTOUR MAP
OCTOBER 19, 2017
ENDOLYNE GARDEN APARTMENTS
9212 45TH AVENUE SOUTHWEST
SEATTLE, WASHINGTON

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LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER
- STORM DRAIN
- GAS LINE
- UTILITY LOCATION UNKNOWN
- WATER METER
- GAS METER
- HYDRANT
- WATER MANHOLE
- SANITARY SEWER MANHOLE
- UNKNOWN UTILITY VAULT OR MANHOLE

FMW-01 MONITORING WELL LOCATION

(83.48) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL

84.00 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

FORMER UNDERGROUND STORAGE TANK

SLOPE ASPECT INDICATOR WITH "V" OPENING IN UPHILL DIRECTION

0 20
SCALE IN FEET

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FIGURE 9

GROUNDWATER ELEVATION CONTOUR MAP
APRIL 18, 2018
ENDOLYNE GARDEN APARTMENTS
9212 45TH AVENUE SOUTHWEST
SEATTLE, WASHINGTON

FARALLON PN: 1295-001

Drawn By: NM | Checked By: LN | Date: 6/8/2021 | Disk Reference: 1295-001.dwg

LEGEND

APPROXIMATE PROPERTY BOUNDARY

FORMER UNDERGROUND STORAGE TANK (UST)

SLOPE ASPECT INDICATOR WITH "V" OPENING IN UPHILL DIRECTION

FMW-1 MONITORING WELL LOCATION

B3 BORING LOCATION WITH RECONNAISSANCE GROUNDWATER SAMPLE

B1 SOIL BORING LOCATION

ALL GROUNDWATER ANALYTICAL RESULTS IN MICROGRAMS PER LITER

GROUNDWATER ANALYTICAL RESULTS REPORTED AS: [SAMPLE DATE|GRO|B|T|E|X]

GRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS DIESEL-RANGE ORGANICS

B = BENZENE

T = TOLUENE

E = ETHYLBENZENE

X = TOTAL XYLENES

< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE LISTED REPORTING LIMIT

BOLD = DENOTES CONCENTRATIONS THAT EXCEED THE WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION CLEANUP LEVEL

ALL LOCATIONS ARE APPROXIMATE

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

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FIGURE 10

SITE PLAN WITH GROUNDWATER ANALYTICAL RESULTS FOR TPH AS GRO AND BTEX - OCTOBER 2017 - APRIL 2018
ENDOLYNE GARDEN APARTMENTS
9212 45TH AVENUE SOUTHWEST
SEATTLE, WASHINGTON

FARALLON PN: 1295-001

Drawn By: NM | Checked By: LN | Date: 6/8/2021 | Disk Reference: 1295-001.dwg

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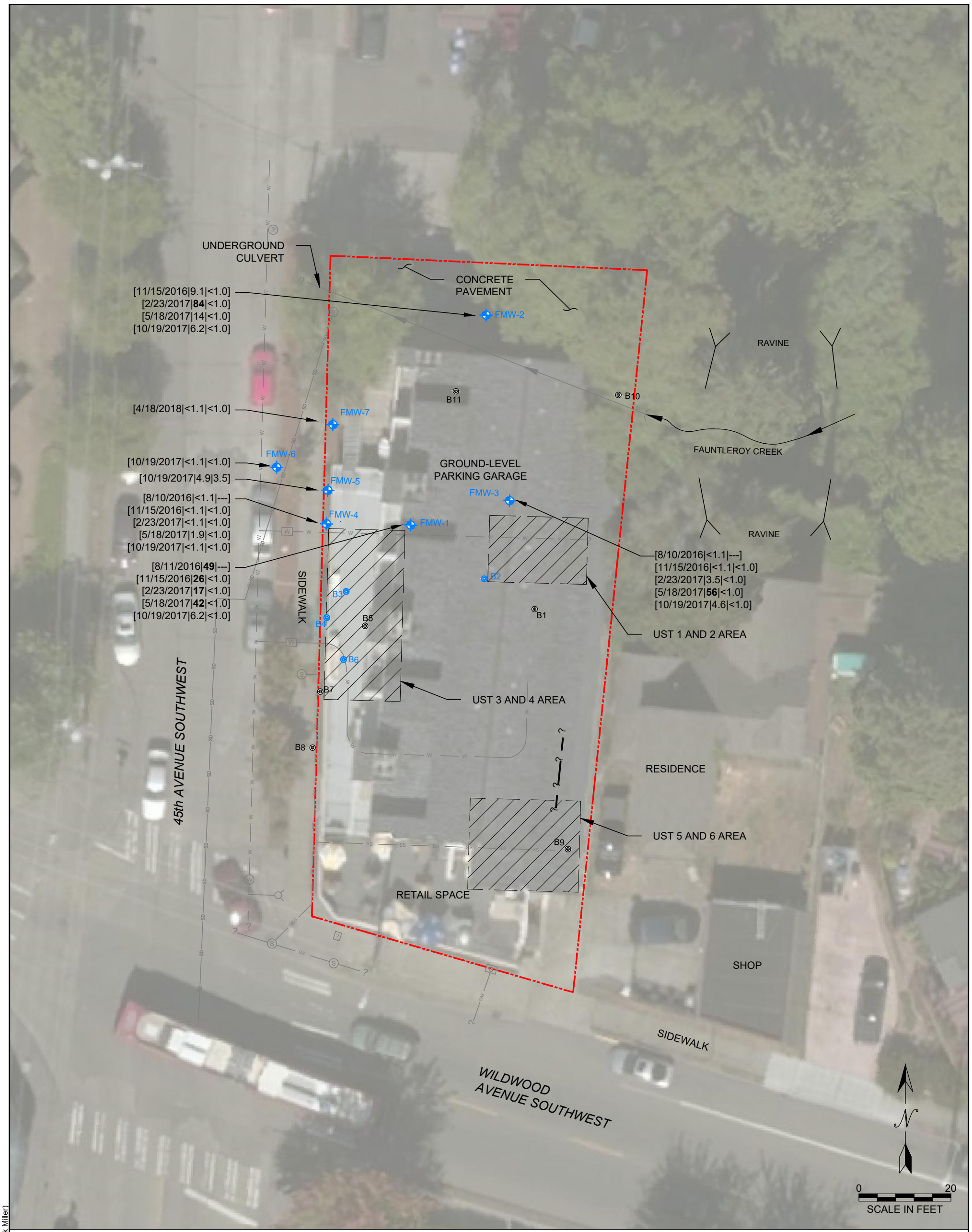

LEGEND

APPROXIMATE PROPERTY BOUNDARY

FORMER UNDERGROUND STORAGE TANK (UST)

SLOPE ASPECT INDICATOR WITH "V" OPENING IN UPHILL DIRECTION

FMW-1 MONITORING WELL LOCATION

B3 BORING LOCATION WITH RECONNAISSANCE GROUNDWATER SAMPLE

B1 SOIL BORING LOCATION

ALL GROUNDWATER ANALYTICAL RESULTS IN MICROGRAMS PER LITER
GROUNDWATER ANALYTICAL RESULTS REPORTED AS:
[SAMPLE DATE|TOTAL LEAD|DISSOLVED LEAD]

< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE LISTED REPORTING LIMIT

BOLD = DENOTES CONCENTRATIONS THAT EXCEED THE WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION CLEANUP LEVEL

--- = DENOTES SAMPLE NOT ANALYZED

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FIGURE 11

SITE PLAN WITH GROUNDWATER ANALYTICAL RESULTS FOR TOTAL AND DISSOLVED LEAD - AUGUST 2016 - APRIL 2018
ENDOLYNE GARDEN APARTMENTS
9212 45TH AVENUE SOUTHWEST
SEATTLE, WASHINGTON

FARALLON PN: 1295-001

Drawn By: NM | Checked By: LN | Date: 6/8/2021 | Disk Reference: 1295-001.dwg

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TABLES

MONITORING WELL INSTALLATION AND SAMPLING REPORT
Endolyne Garden Apartments
Seattle, Washington

Farallon PN: 1295-001

Table 1
Groundwater Elevations
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Location	Top of Casing Elevation (feet)[1]	Date Measured	Well Depth (feet)[2]	Depth to Water (feet)[3]	Groundwater Elevation (feet)[1]
FMW-1	91.87	8/10/2016	9.37	7.86	84.01
		11/15/2016	9.39	6.61	85.26
		2/23/2017	9.40	6.62	85.25
		5/18/2017	9.40	7.13	84.74
		10/19/2017	9.40	8.22	83.65
		4/18/2018	9.40	6.92	84.95
FMW-2	91.60	8/10/2016	14.84	13.38	78.22
		11/15/2016	14.82	6.91	84.69
		2/23/2017	14.82	9.80	81.80
		5/18/2017	14.81	10.80	80.80
		10/19/2017	14.82	9.28	82.32
		4/18/2018	14.82	9.43	82.17
FMW-3	91.65	8/10/2016	10.32	8.21	83.44
		11/15/2016	10.34	6.89	84.76
		2/23/2017	10.35	7.04	84.61
		5/18/2017	10.35	7.67	83.98
		10/19/2017	10.35	8.41	83.24
		4/18/2018	10.35	7.30	84.35
FMW-4	92.47	8/10/2016	14.85	10.71	81.76
		11/15/2016	14.82	8.85	83.62
		2/23/2017	14.85	8.73	83.74
		5/18/2017	14.85	9.16	83.31
		10/19/2017	14.85	10.90	81.57
		4/18/2018	14.85	8.99	83.48

Table 1
Groundwater Elevations
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

FMW-5	92.15	10/19/2017	13.10	11.30	80.85
		4/18/2018	13.10	9.36	82.79
FMW-6	91.66	10/19/2017	15.52	13.30	78.36
		4/18/2018	15.52	11.55	80.11
FMW-7	91.85	4/18/2018	14.10	10.28	81.57

NOTES:
[1] Elevations based on Washington State Department of Transportation Monument No. 3558 with a published elevation of 41.71 feet.
[2] In feet below ground surface.
[3] In feet below top of well casing.

NM = not measured

Table 2
Laboratory Analytical Results for Soil Samples – TPH and BTEX
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Total Xylenes[3]
FMW-4	FMW4-5.0	5.0	8/3/2016	< 6.5	< 0.020	< 0.065	< 0.065	< 0.130
	FMW4-10.0	10.0	8/3/2016	< 5.8	< 0.020	< 0.058	< 0.058	< 0.116
	FMW4-15.0	15.0	8/3/2016	< 7.3	< 0.020	< 0.073	< 0.073	< 0.146
FMW-5	FMW5-11.5	11.5	10/10/2017	**130**	**0.043**	< 0.15	< 0.75	0.45
	FMW5-14.0	14.0	10/10/2017	< 14	< 0.028	< 0.14	< 0.14	< 0.28
FMW-6	FMW6-13.0	13.0	10/10/2017	**93**	**0.036**	< 0.11	0.24	0.32
FMW-7	FMW7-9.0	9.0	4/10/2018	< 7.5	< 0.020	< 0.075	< 0.075	< 0.150
MTCA Method A Cleanup Levels for Soil[4]				**30/100 [5]**	**0.03**	**7**	**6**	**9**

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

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

-- denotes sample was not analyzed.

BTEX = benzene, toluene, ethylbenzene, and xylenes

GRO = TPH as gasoline-range organics

[1]Depth in feet below ground surface.

[2]Analyzed by Northwest Method NWTPH-Gx.

[3]Analyzed by U.S. Environmental Protection Agency Method 8021B.

[4]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 amended 2013.

[5]The MTCA Method A cleanup level for GRO in soil is 100 milligrams per kilogram for gasoline mixtures without benzene, and the total of ethylbenzene, toluene, and xylenes are less than 1 percent of the gasoline mixture. For all other mixtures, the MTCA Method A cleanup level for GRO in soil is 30 milligrams per kilogram.

Table 3
Laboratory Analytical Results for Soil Samples – Lead
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]
				Total Lead
FMW-4	FMW4-10.0	10.0	8/3/2016	< 5.7
FMW-5	FMW5-11.5	11.5	10/10/2017	15
FMW-7	FMW7-9.0	9.0	4/10/2018	6.8
MTCA Method A Cleanup Levels for Soil[3]				**250**

NOTES:

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

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 6010C or 6010D.

[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 4
Laboratory Analytical Results for Groundwater Samples – TPH and BTEX
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)				
			GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Total Xylenes[3]
FMW-1	8/10/2016	FMW-01-081016	150	< 1.0	< 1.0	< 1.0	< 2.0
	11/15/2016	FMW-1-111516	110	< 1.0	< 1.0	< 1.0	< 2.0
	2/23/2017	FMW-1-022317	210	< 1.0	< 1.0	< 1.0	< 2.0
	5/18/2017	FMW-1-051817	150	< 1.0	< 1.0	< 1.0	< 2.0
	10/19/2017	FMW-1-101917	< 100	< 1.0	< 1.0	< 1.0	< 2.0
FMW-2	8/11/2016	FMW-02-081116	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	11/15/2016	FMW-2-111516	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	2/23/2017	FMW-2-022317	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	5/18/2017	FMW-2-051817	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	10/19/2017	FMW-2-101917	< 100	< 1.0	< 1.0	< 1.0	< 2.0
FMW-3	8/10/2016	FMW-03-081016	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	11/15/2016	FMW-3-111516	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	2/23/2017	FMW-3-022317	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	5/18/2017	FMW-3-051817	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	10/19/2017	FMW-3-101917	< 100	< 1.0	< 1.0	< 1.0	< 2.0
MTCA Method A Cleanup Level for Groundwater[3]			**800/1,000 [4]**	**5**	**1,000**	**700**	**1,000**
FMW-4	8/10/2016	FMW-04-081016	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	11/15/2016	FMW-4-111516	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	2/23/2017	FMW-4-022317	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	5/18/2017	FMW-4-051817	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	10/19/2017	FMW-4-101917	< 100	< 1.0	< 1.0	< 1.0	< 2.0
FMW-5	10/19/2017	FMW-5-101917	**4,100**	< 4.0	< 4.0	6.6	17.9
FMW-6	10/19/2017	FMW-6-101917	130	< 1.0	< 1.0	< 1.0	< 2.0
FMW-7	4/18/2018	FMW-7-041818	< 100	< 1.0	< 1.0	< 1.0	< 2.0
MTCA Method A Cleanup Level for Groundwater[3]			**800/1,000 [4]**	**5**	**1,000**	**700**	**1,000**

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

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

— denotes sample not analyzed.

[1]Analyzed by Northwest Method NWTPH-Dx.

[2]Analyzed by Northwest Method NWTPH-Gx.

[3]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.

BTEX = benzene, toluene, ethylbenzene, and xylenes

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

GRO = TPH as gasoline-range organics

ORO = TPH as oil-range organics

Z = The sample chromatogram is similar to mineral spirits

[4]For detectable benzene in groundwater. If benzene is not detected in groundwater, the MTCA Method A cleanup level for GRO in groundwater is 1,000 micrograms per liter.

Table 5
Laboratory Analytical Results for Groundwater Samples – Lead
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]	
			Total Lead	Dissolved Lead
FMW-1	8/11/2016	FMW-01-081116	**49**	---
	11/15/2016	FMW-1-111516	**26**	< 1.0
	2/23/2017	FMW-1-022317	**17**	< 1.0
	5/18/2017	FMW-1-051817	**42**	< 1.0
	10/19/2017	FMW-1-101917	6.2	< 1.0
FMW-2	11/15/2016	FMW-2-111516	9.1	< 1.0
	2/23/2017	FMW-2-022317	**84**	< 1.0
	5/18/2017	FMW-2-051817	14	< 1.0
	10/19/2017	FMW-2-101917	6.2	< 1.0
FMW-3	8/10/2016	FMW-03-081016	< 1.1	---
	11/15/2016	FMW-3-111516	< 1.1	< 1.0
	2/23/2017	FMW-3-022317	3.5	< 1.0
	5/18/2017	FMW-3-051817	**56**	< 1.0
	10/19/2017	FMW-3-101917	4.6	< 1.0
FMW-4	8/10/2016	FMW-04-081016	< 1.1	---
	11/15/2016	FMW-4-111516	< 1.1	< 1.0
	2/23/2017	FMW-4-022317	< 1.1	< 1.0
	5/18/2017	FMW-4-051817	1.9	< 1.0
	10/19/2017	FMW-4-101917	< 1.1	< 1.0
FMW-5	10/19/2017	FMW-5-101917	4.9	3.5
FMW-6	10/19/2017	FMW-6-101917	< 1.1	< 1.0
FMW-7	4/18/2018	FMW-7-041818	< 1.1	< 1.0
MTCA Method A Cleanup Level for Groundwater[2]			**15**	

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

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

– denotes sample not analyzed.

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

[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.

APPENDIX A
BORING LOGS

MONITORING WELL INSTALLATION AND SAMPLING REPORT
Endolyne Garden Apartments
Seattle, Washington

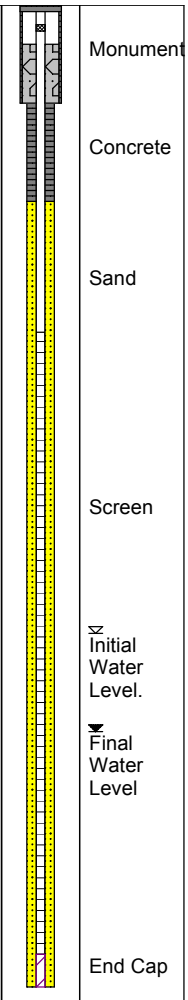
Farallon PN: 1295-001

Log of Boring: FMW-4

Client: Mr. Steve Lazoff
Project: Endolyne Garden Apartments
Location: Seattle, Washington.
Farallon PN: 1295-001
Logged By: Ken Scott

Date/Time Started:	8/3/2016 @ 0820	**Sampler Type:**	Hand Auger
Date/Time Completed:	8/3/2016 @ 1120	**Drive Hammer (lbs.):**	NA
Equipment:	Master Vac 1,000	**Depth of Water ATD (ft bgs):**	11.10
Drilling Company:	Holocene Drilling	**Total Boring Depth (ft bgs):**	15.0'
Drilling Foreman:	Kevin Doyle	**Total Well Depth (ft bgs):**	15.0
Drilling Method:	Air-Knife		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-0.5': Sandy SILT with gravel Fill (50% silt, 35% sand, 15% gravel), fine to medium sand, fine gravel, brown, moist, no odor, no sheen. Grass root rhizomes. Air Knife to 15-feet bgs to clear for utilities (Ok), and set well.	ML				0.0		
			SM						
		0.5-1.4': Silty SAND with gravel Fill (55% sand, 25% silt, 20% gravel), fine to coarse sand, fine to coarse gravel, yellowish-brown, very dense, moist, no odor, no sheen. Grass root rhizomes.	SM		100	NA	2.6	FMW4-2.5 @ 845	
		1.4-4.5': Silty SAND (80% sand, 15% silt, 5% gravel), fine to medium sand, fine gravel, brown, moist, no odor, no sheen. Observe root rhizomes to about 3-feet bgs.							
5		4.5-~7.0': SILT with sand (75% silt, 20% sand, 5% gravel), fine to medium sand, fine gravel, brown, moist, slight odor, no sheen. Numerous 2-inch SILT chunks.	ML		100	NA	25.7	FMW4-5.0 @ 0900	X
		~7.0-9.0': Sandy SILT (65% silt, 35% sand), fine to medium sand, blueish-green, moist to wet @ 9.6-feet bgs, no odor, no sheen.	ML						
10		~9.0-15.0': Silty SAND (75% sand, 25% silt), fine sand, brown, wet, no odor, no sheen. Observed 3-inch subrounded gray cobble stuck in vac-hose at~13-feet bgs.	SM		100	NA	1.1	FMW4-10.0 @ 945	X
15					100	NA	0.6	FMW4-15.0 @ 1045	X



Well Construction Information

Monument Type:	Flush Mount	**Filter Pack:**	Silica Sand 10/20
Casing Diameter (inches):	2.0"	**Surface Seal:**	Concrete
Screen Slot Size (inches):	0.010	**Annular Seal:**	Concrete
Screened Interval (ft bgs):	5' - 15'	**Boring Abandonment:**	NA

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

FARALLON CONSULTING

Log of Boring: FMW-5

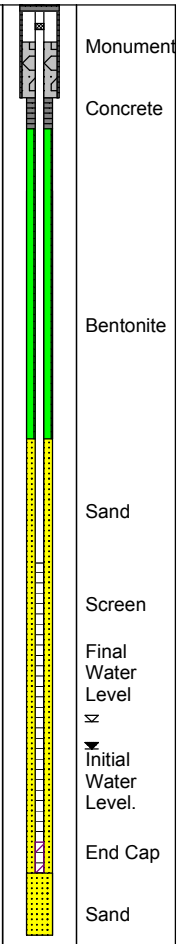
Client: Mr. Steve Lazoff
Project: Endolyne Garden Apartments
Location: Seattle, Washington.

Farallon PN: 1295-001

Logged By: Ken Scott

Date/Time Started:	10/10/2017 @ 0945	**Sampler Type:**	5-foot macrocore liner
Date/Time Completed:	10/10/2017 @ 1030	**Drive Hammer (lbs.):**	Autohammer
Equipment:	Geoprobe 7822DT	**Depth of Water ATD (ft bgs):**	12.0
Drilling Company:	Holocene Drilling	**Total Boring Depth (ft bgs):**	15.0'
Drilling Foreman:	Mitch Mc Carlay	**Total Well Depth (ft bgs):**	14.0
Drilling Method:	Direct push		

Depth (feet bgs.)	Lithologic Description	USCS	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed
0	0.0-0.3': Organic (100% grass) Grass root rhizomes. Hand auger to 5-feet bgs to clear for utilities (Ok).	TOPSOIL					
	0.3-0.6': Sandy SILT with gravel Fill (50% silt, 35% sand, 15% gravel), fine to medium sand, fine gravel, brown, moist, no odor, no sheen. Grass root rhizomes. Observed bentonite from prior borings B3, B3A adjacent east.	ML / SM					
	0.6-2.5': Silty SAND Fill (80% sand, 20% silt,), fine to medium sand, tan, moist, no odor, no sheen.	SM	100	NA	0.0		
	2.5-5.0': Silty SAND with gravel Fill (65% sand, 20% silt, 15% gravel), fine to medium sand, fine to coarse gravel, brown, moist, no odor, no sheen.				0.0		
5	5.0-6.6': Silty SAND with gravel (65% sand, 20% silt, 15% gravel), fine to medium sand, fine to coarse gravel, tan, moist, no odor, no sheen.	SM			0.0	FMW5-5.0 @ 930	
	6.6-9.0': SILT (95% silt, 5% sand), fine sand, tan, moist, no odor, no sheen.	ML	90	NA	0.0		
	9.0-10.0': No Recovery.				0.0	FMW5-9.0 @ 950	
10	10.0-11.8': Sandy SILT (60% silt, 40% sand), fine sand, gray, moist to slight wet (capillary-fringe), petroleum-like odor, no sheen.	ML			8.2		
	11.8-13.2': Silty SAND with gravel (65% sand, 20% silt, 15% gravel), fine to medium sand, fine to coarse gravel, gray, wet, petroleum-like odor, no sheen.	SM	100	NA	314	FMW5-11.5 @ 1000	X
	13.2-15.0': SILT (100% silt), fine sand, gray, wet, slight odor @ 13-feet bgs with no odor from 14 to 15-feet bgs, no sheen.	ML			8.1		
15					0.0	FMW5-14.0 @ 1010	
					0.0		



Well Construction Information

Monument Type:	Flush Mount	**Filter Pack:**	Silica Sand 10/20	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	2.0"	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	0.010	**Annular Seal:**	Bentonite	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	9' - 14'	**Boring Abandonment:**	NA		**Y:** NA

Log of Boring: FMW-6

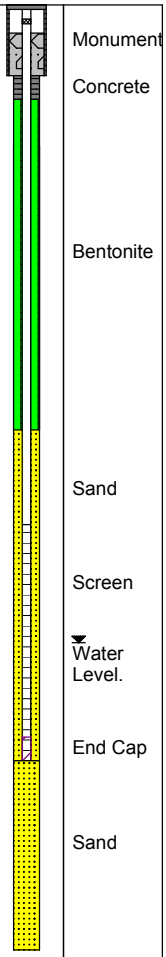
Client: Mr. Steve Lazoff
Project: Endolyne Garden Apartments
Location: Seattle, Washington.

Farallon PN: 1295-001

Logged By: Ken Scott

Date/Time Started:	10/10/2017 @ 1255	**Sampler Type:**	5-foot macrocore liner
Date/Time Completed:	10/10/2017 @ 1355	**Drive Hammer (lbs.):**	Autohammer
Equipment:	Geoprobe 7822DT	**Depth of Water ATD (ft bgs):**	13.5
Drilling Company:	Holocene Drilling	**Total Boring Depth (ft bgs):**	20.0'
Drilling Foreman:	Mitch Mc Carlay	**Total Well Depth (ft bgs):**	16.0
Drilling Method:	Direct push		

Depth (feet bgs.)	Lithologic Description	USCS	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed
0	0.0-0.3': Organic (100% grass) Grass root rhizomes. Hand auger to 5-feet bgs to clear for utilities (Ok).	TOPSOIL			0.0		
	0.3-0.6': Sandy SILT with gravel Fill (50% silt, 35% sand, 15% gravel), fine to medium sand, fine gravel, brown, moist, no odor, no sheen.	ML / SM	100	NA	0.0		
	0.6-2.7': Silty SAND Fill (80% sand, 20% silt,), fine to medium sand, tan, moist, no odor, no sheen.	SM					
5	2.7-5.0': Silty SAND with gravel Fill (65% sand, 20% silt, 15% gravel), fine to medium sand, fine gravel, brown, moist, no odor, no sheen.	SM			2.7	FMW6-5.0 @ 1215	
	5.0-5.6': Silty SAND with gravel (65% sand, 20% silt, 15% gravel), fine to medium sand, fine gravel, brown, moist, no odor, no sheen.	ML					
	5.6-7.9': SILT (100% silt), tan, moist, no odor, no sheen.		90	NA			
	7.9-9.2': Poorly graded SAND with silt (85% sand, 15% silt), fine sand, yellowish-brown, moist, no odor, no sheen.	SP-SM			0.0	FMW6-9.0 @ 1305	
10	9.2-10.0': No Recovery.						
	10.0-11.8': SILT (95% silt, 5% sand), fine sand, tan, moist, no odor, no sheen.	ML			0.0		
	11.8-13.7': Sandy SILT (65% silt, 35% sand), fine sand, gray, moist to slight wet at 13.5-feet bgs, no odor to slight odor from 12.5 to 13.5-feet bgs, no sheen.	ML	100	NA	22.1	FMW6-13.0 @ 1315	X
	13.7-15.0': SILT (100% silt), gray, slight wet, no odor, no sheen.	ML					
15	15.0-15.8': Sandy SILT (60% silt, 40% sand), fine sand, gray, wet, no odor, no sheen.	ML			0.0	FMW6-15.0 @ 1335	
	15.8-20.0': SILT (100% silt), gray, moist, no odor, no sheen.	ML	100	NA	0.0		
20					0.0		



Well Construction Information

Monument Type:	Flush Mount	**Filter Pack:**	Silica Sand 10/20	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	2.0"	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	0.010	**Annular Seal:**	Bentonite	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	11' - 16'	**Boring Abandonment:**	NA		**Y:** NA

Log of Boring: FMW-7

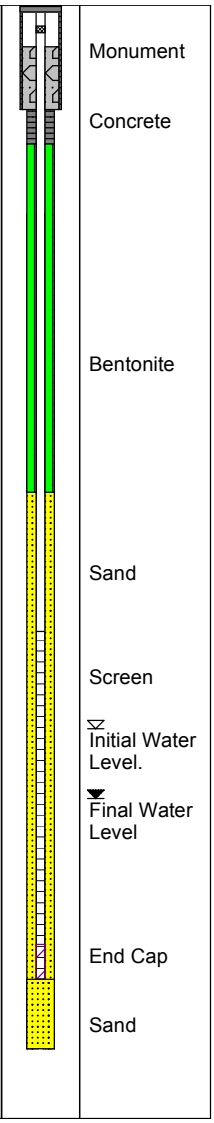
Client: Mr. Steve Lazoff
Project: Endolyne Garden Apartments
Location: Seattle, Washington.

Farallon PN: 1295-001

Logged By: Ken Scott

Date/Time Started:	4/10/2018 @ 0900	**Sampler Type:**	5-foot macrocore liner
Date/Time Completed:	4/10/2018 @ 0950	**Drive Hammer (lbs.):**	Autohammer
Equipment:	Geoprobe 7822DT	**Depth of Water ATD (ft bgs):**	~10.40
Drilling Company:	Holocene Drilling	**Total Boring Depth (ft bgs):**	15.0'
Drilling Foreman:	Mitch Mc Carlay	**Total Well Depth (ft bgs):**	14.0
Drilling Method:	Direct push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	% Recovery	Blow Counts per 6 inches	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-0.3': Organic (100% grass) Grass root rhizomes. Hand auger to 5-feet bgs to clear for utilities (Ok).	TOPSOIL					
		0.3-0.7': Sandy SILT with gravel Fill (50% silt, 35% sand, 15% gravel), fine to medium sand, fine gravel, brown, moist, no odor, no sheen. Grass root rhizomes. Subrounded gray gravel.	ML / SM					
		0.7-2.6': Silty SAND Fill (80% sand, 20% silt,), fine to medium sand, tan, moist, no odor, no sheen.	SM	100	NA	0.0		
		2.6-5.0': Silty SAND with gravel Fill (65% sand, 20% silt, 15% gravel), fine to medium sand, fine to coarse gravel, brown, moist, no odor, no sheen. Subrounded gray gravel.						
5		6.6-10.0': SILT (100% silt), tan, moist to slight wet at 10-feet bgs(capillary fringe), no odor, no sheen. Observed orange colored mottling between 9 to 10-feet bgs.	ML	100	NA	0.0	FMW5-5.0 @ 930	
						0.0	FMW5-9.0 @ 950	X
10		10.0-13.2': SILT (100% silt), greenish, slight wet to wet at 10.40-feet bgs, slight odor at ~10-feet with no odor at 11-feet bgs, no sheen. Observe silt swollen from water between 11 to 13.1-feet bgs.	ML	83	NA	0.0	FMW5-11.5 @ 1000	
		13.2-14.1': SILT (95% silt, 5% gravel), fine gravel, green, wet, no odor, no sheen. Subrounded gray gravel at 13.8-feet bgs.	ML			0.0	FMW5-14.0 @ 1010	
		14.1-15.0': No Recovery.						
15								



Well Construction Information

Monument Type:	Flush Mount	**Filter Pack:**	Silica Sand 10/20	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	2.0"	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	0.010	**Annular Seal:**	Bentonite	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	9' - 14'	**Boring Abandonment:**	NA		**Y:** NA

APPENDIX B
LABORATORY ANALYTICAL REPORTS

MONITORING WELL INSTALLATION AND SAMPLING REPORT
Endolyne Garden Apartments
Seattle, Washington

Farallon PN: 1295-001

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

April 26, 2018

Lyndsey Needham
Farallon Consulting, LLC
1201 Cornwall Avenue, Suite 105
Bellingham, WA 98225

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 1804-218

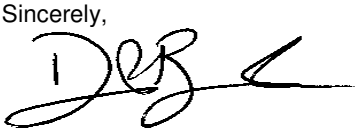
Dear Lyndsey:

Enclosed are the analytical results and associated quality control data for samples submitted on April 19, 2018.

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

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

Date of Report: April 26, 2018
Samples Submitted: April 19, 2018
Laboratory Reference: 1804-218
Project: 1295-001

Case Narrative

Samples were collected on April 18, 2018 and received by the laboratory on April 19, 2018. 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.

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

Date of Report: April 26, 2018
Samples Submitted: April 19, 2018
Laboratory Reference: 1804-218
Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-7-041818**					
Laboratory ID:	04-218-01					
Benzene	**ND**	1.0	EPA 8021B	4-19-18	4-19-18	
Toluene	**ND**	1.0	EPA 8021B	4-19-18	4-19-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	4-19-18	4-19-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	4-19-18	4-19-18	
o-Xylene	**ND**	1.0	EPA 8021B	4-19-18	4-19-18	
Gasoline	**ND**	100	NWTPH-Gx	4-19-18	4-19-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*91*	*66-114*				

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

Date of Report: April 26, 2018
Samples Submitted: April 19, 2018
Laboratory Reference: 1804-218
Project: 1295-001

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0419W1					
Benzene	**ND**	1.0	EPA 8021B	4-19-18	4-19-18	
Toluene	**ND**	1.0	EPA 8021B	4-19-18	4-19-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	4-19-18	4-19-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	4-19-18	4-19-18	
o-Xylene	**ND**	1.0	EPA 8021B	4-19-18	4-19-18	
Gasoline	**ND**	100	NWTPH-Gx	4-19-18	4-19-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*66-114*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	04-212-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*95*	*89*	*66-114*			
MATRIX SPIKES											
Laboratory ID:	04-212-01										
	MS	MSD	MS	MSD		MS	MSD				
Benzene	**49.5**	**49.7**	50.0	50.0	ND	**99**	**99**	80-120	0	13	
Toluene	**49.8**	**50.0**	50.0	50.0	ND	**100**	**100**	81-117	0	14	
Ethyl Benzene	**50.6**	**50.6**	50.0	50.0	ND	**101**	**101**	81-120	0	12	
m,p-Xylene	**48.8**	**49.0**	50.0	50.0	ND	**98**	**98**	79-122	0	13	
o-Xylene	**48.2**	**48.7**	50.0	50.0	ND	**96**	**97**	81-120	1	11	
Surrogate:											
Fluorobenzene						*96*	*96*	*66-114*			

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

Date of Report: April 26, 2018
Samples Submitted: April 19, 2018
Laboratory Reference: 1804-218
Project: 1295-001

TOTAL LEAD
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	04-218-01					
Client ID:	**FMW-7-041818**					
Lead	**ND**	1.1	200.8	4-23-18	4-23-18	

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

Date of Report: April 26, 2018
Samples Submitted: April 19, 2018
Laboratory Reference: 1804-218
Project: 1295-001

TOTAL LEAD
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Extracted:	4-23-18
Date Analyzed:	4-23-18
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0423WM1

Analyte	Method	Result	PQL
Lead	200.8	**ND**	1.1

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

Date of Report: April 26, 2018
Samples Submitted: April 19, 2018
Laboratory Reference: 1804-218
Project: 1295-001

TOTAL LEAD
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Extracted: 4-23-18
Date Analyzed: 4-23-18

Matrix: Water
Units: ug/L (ppb)

Lab ID: 04-230-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Lead	**ND**	**ND**	NA	1.1	

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

Date of Report: April 26, 2018
Samples Submitted: April 19, 2018
Laboratory Reference: 1804-218
Project: 1295-001

TOTAL LEAD
EPA 200.8
MS/MSD QUALITY CONTROL

Date Extracted: 4-23-18
Date Analyzed: 4-23-18

Matrix: Water
Units: ug/L (ppb)

Lab ID: 04-230-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Lead	111	**125**	113	**129**	117	3	

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

Date of Report: April 26, 2018
Samples Submitted: April 19, 2018
Laboratory Reference: 1804-218
Project: 1295-001

DISSOLVED LEAD
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	04-218-01					
Client ID:	**FMW-7-041818**					
Lead	**ND**	1.0	200.8		4-23-18	

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

Date of Report: April 26, 2018
Samples Submitted: April 19, 2018
Laboratory Reference: 1804-218
Project: 1295-001

DISSOLVED LEAD
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Analyzed: 4-23-18

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0423D1

Analyte	Method	Result	PQL
Lead	200.8	**ND**	1.0

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

Date of Report: April 26, 2018
Samples Submitted: April 19, 2018
Laboratory Reference: 1804-218
Project: 1295-001

DISSOLVED LEAD
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Analyzed: 4-23-18

Matrix: Water
Units: ug/L (ppb)

Lab ID: 04-218-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Lead	**ND**	**ND**	NA	1.0	

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

Date of Report: April 26, 2018
Samples Submitted: April 19, 2018
Laboratory Reference: 1804-218
Project: 1295-001

DISSOLVED LEAD
EPA 200.8
MS/MSD QUALITY CONTROL

Date Analyzed: 4-23-18

Matrix: Water
Units: ug/L (ppb)

Lab ID: 04-218-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Lead	80.0	**86.0**	108	**86.6**	108	1	

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

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 method 8260C, 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

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

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
Project Number: 1295-001
Project Name: Enloyne Garden Apts
Project Manager: Lyndsey Needham
Sampled By: Ken Scott

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: 04-218

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	TOTAL LEAD EPA 6020A (200.8) DISSOLVED LEAD EPA 6020A (200.8)				% Moisture
1	FMW-7-041818	4/18/18	1252	W	5		X																X	X			

	Signature	Company	Date	Time
Relinquished	Ken Scott	FARALLON	4/18/18	1615
Received	Katie Leer	OSE	4/19/18	1130
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

The dissolved LEAD sample was field filtered.

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

April 19, 2018

Lyndsey Needham
Farallon Consulting, LLC
1201 Cornwall Avenue, Suite 105
Bellingham, WA 98225

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 1804-101

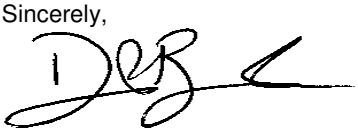
Dear Lyndsey:

Enclosed are the analytical results and associated quality control data for samples submitted on April 11, 2018.

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

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

Date of Report: April 19, 2018
Samples Submitted: April 11, 2018
Laboratory Reference: 1804-101
Project: 1295-001

Case Narrative

Samples were collected on April 10, 2018 and received by the laboratory on April 11, 2018. 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.

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

Date of Report: April 19, 2018
Samples Submitted: April 11, 2018
Laboratory Reference: 1804-101
Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW7-9.0**					
Laboratory ID:	04-101-02					
Benzene	**ND**	0.020	EPA 8021B	4-13-18	4-13-18	
Toluene	**ND**	0.075	EPA 8021B	4-13-18	4-13-18	
Ethyl Benzene	**ND**	0.075	EPA 8021B	4-13-18	4-13-18	
m,p-Xylene	**ND**	0.075	EPA 8021B	4-13-18	4-13-18	
o-Xylene	**ND**	0.075	EPA 8021B	4-13-18	4-13-18	
Gasoline	**ND**	7.5	NWTPH-Gx	4-13-18	4-13-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*66-130*				

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

Date of Report: April 19, 2018
Samples Submitted: April 11, 2018
Laboratory Reference: 1804-101
Project: 1295-001

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0413S1					
Benzene	**ND**	0.020	EPA 8021B	4-13-18	4-13-18	
Toluene	**ND**	0.050	EPA 8021B	4-13-18	4-13-18	
Ethyl Benzene	**ND**	0.050	EPA 8021B	4-13-18	4-13-18	
m,p-Xylene	**ND**	0.050	EPA 8021B	4-13-18	4-13-18	
o-Xylene	**ND**	0.050	EPA 8021B	4-13-18	4-13-18	
Gasoline	**ND**	5.0	NWTPH-Gx	4-13-18	4-13-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*66-130*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	04-101-02										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*95*	*97*	*66-130*			
SPIKE BLANKS											
Laboratory ID:	SB0413S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.945**	**0.896**	1.00	1.00		**95**	**90**	70-120	5	11	
Toluene	**0.969**	**0.922**	1.00	1.00		**97**	**92**	73-121	5	14	
Ethyl Benzene	**0.995**	**0.941**	1.00	1.00		**100**	**94**	74-121	6	11	
m,p-Xylene	**1.00**	**0.955**	1.00	1.00		**100**	**96**	75-124	5	13	
o-Xylene	**0.980**	**0.933**	1.00	1.00		**98**	**93**	75-121	5	12	
Surrogate:											
Fluorobenzene						*92*	*88*	*66-130*			

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

Date of Report: April 19, 2018
Samples Submitted: April 11, 2018
Laboratory Reference: 1804-101
Project: 1295-001

TOTAL LEAD
EPA 6010D

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	04-101-02					
Client ID:	**FMW7-9.0**					
Lead	**6.8**	6.3	6010D	4-13-18	4-13-18	

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

Date of Report: April 19, 2018
Samples Submitted: April 11, 2018
Laboratory Reference: 1804-101
Project: 1295-001

TOTAL LEAD
EPA 6010D
METHOD BLANK QUALITY CONTROL

Date Extracted:	4-13-18
Date Analyzed:	4-13-18
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0413SM1

Analyte	Method	Result	PQL
Lead	6010D	**ND**	5.0

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

Date of Report: April 19, 2018
Samples Submitted: April 11, 2018
Laboratory Reference: 1804-101
Project: 1295-001

TOTAL LEAD
EPA 6010D
DUPLICATE QUALITY CONTROL

Date Extracted: 4-13-18
Date Analyzed: 4-13-18

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 04-082-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Lead	**ND**	**ND**	NA	5.0	

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

Date of Report: April 19, 2018
Samples Submitted: April 11, 2018
Laboratory Reference: 1804-101
Project: 1295-001

TOTAL LEAD
EPA 6010D
MS/MSD QUALITY CONTROL

Date Extracted: 4-13-18
Date Analyzed: 4-13-18

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 04-082-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Lead	250	**250**	100	**244**	98	3	

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

Date of Report: April 19, 2018
Samples Submitted: April 11, 2018
Laboratory Reference: 1804-101
Project: 1295-001

% MOISTURE

Date Analyzed: 4-16-18

Client ID	Lab ID	% Moisture
FMW7-9.0	04-101-02	21

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

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 method 8260C, 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

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

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
Project Number: 1295-001
Project Name: ENdolyNe GArdeN Apts
Project Manager: LyNdsey NeedhAM
Sampled by: Ken Scott

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: 04-101

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	Total Lead EPA 6020A/200.8				% Moisture
1	FMW7-4.0	4/10/18	845	S	2																						
2	FMW7-9.0		915	S	2		X																X				X
3	FMW7-12.0		930	S	2																						
4	FMW7-14.0	↓	940	S	2																						
							(X5)																				

	Signature	Company	Date	Time
Relinquished	Ken Scott	FARALLON	4/10/18	1430
Received	Kathleen Leeuw	OSE	4/11/18	1130
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
Hold remaining samples.

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

August 19, 2016

Tad Cline
Farallon Consulting, LLC
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 1608-155

Dear Tad:

Enclosed are the analytical results and associated quality control data for samples submitted on August 11, 2016.

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

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

Date of Report: August 19, 2016
Samples Submitted: August 11, 2016
Laboratory Reference: 1608-155
Project: 1295-001

Case Narrative

Samples were collected on August 10 and 11, 2016 and received by the laboratory on August 11, 2016. 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.

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

Date of Report: August 19, 2016
Samples Submitted: August 11, 2016
Laboratory Reference: 1608-155
Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-01-081016**					
Laboratory ID:	08-155-01					
Benzene	**ND**	1.0	EPA 8021B	8-18-16	8-18-16	
Toluene	**ND**	1.0	EPA 8021B	8-18-16	8-18-16	
Ethyl Benzene	**ND**	1.0	EPA 8021B	8-18-16	8-18-16	
m,p-Xylene	**ND**	1.0	EPA 8021B	8-18-16	8-18-16	
o-Xylene	**ND**	1.0	EPA 8021B	8-18-16	8-18-16	
Gasoline	**150**	100	NWTPH-Gx	8-18-16	8-18-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*101*	*71-111*				
Client ID:	**FMW-02-081116**					
Laboratory ID:	08-155-03					
Benzene	**ND**	1.0	EPA 8021B	8-18-16	8-18-16	
Toluene	**ND**	1.0	EPA 8021B	8-18-16	8-18-16	
Ethyl Benzene	**ND**	1.0	EPA 8021B	8-18-16	8-18-16	
m,p-Xylene	**ND**	1.0	EPA 8021B	8-18-16	8-18-16	
o-Xylene	**ND**	1.0	EPA 8021B	8-18-16	8-18-16	
Gasoline	**ND**	100	NWTPH-Gx	8-18-16	8-18-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*71-111*				
Client ID:	**FMW-03-081016**					
Laboratory ID:	08-155-04					
Benzene	**ND**	1.0	EPA 8021B	8-18-16	8-18-16	
Toluene	**ND**	1.0	EPA 8021B	8-18-16	8-18-16	
Ethyl Benzene	**ND**	1.0	EPA 8021B	8-18-16	8-18-16	
m,p-Xylene	**ND**	1.0	EPA 8021B	8-18-16	8-18-16	
o-Xylene	**ND**	1.0	EPA 8021B	8-18-16	8-18-16	
Gasoline	**ND**	100	NWTPH-Gx	8-18-16	8-18-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*92*	*71-111*				

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

Date of Report: August 19, 2016
Samples Submitted: August 11, 2016
Laboratory Reference: 1608-155
Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-04-081016**					
Laboratory ID:	08-155-05					
Benzene	**ND**	1.0	EPA 8021B	8-18-16	8-18-16	
Toluene	**ND**	1.0	EPA 8021B	8-18-16	8-18-16	
Ethyl Benzene	**ND**	1.0	EPA 8021B	8-18-16	8-18-16	
m,p-Xylene	**ND**	1.0	EPA 8021B	8-18-16	8-18-16	
o-Xylene	**ND**	1.0	EPA 8021B	8-18-16	8-18-16	
Gasoline	**ND**	100	NWTPH-Gx	8-18-16	8-18-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*71-111*				

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

Date of Report: August 19, 2016
Samples Submitted: August 11, 2016
Laboratory Reference: 1608-155
Project: 1295-001

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0818W1					
Benzene	**ND**	1.0	EPA 8021B	8-18-16	8-18-16	
Toluene	**ND**	1.0	EPA 8021B	8-18-16	8-18-16	
Ethyl Benzene	**ND**	1.0	EPA 8021B	8-18-16	8-18-16	
m,p-Xylene	**ND**	1.0	EPA 8021B	8-18-16	8-18-16	
o-Xylene	**ND**	1.0	EPA 8021B	8-18-16	8-18-16	
Gasoline	**ND**	100	NWTPH-Gx	8-18-16	8-18-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*100*	*71-111*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	08-155-05										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*94*	*94*	*71-111*			
SPIKE BLANKS											
Laboratory ID:	SB0818W1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**49.0**	**46.1**	50.0	50.0		**98**	**92**	83-119	6	13	
Toluene	**50.0**	**47.3**	50.0	50.0		**100**	**95**	83-120	6	13	
Ethyl Benzene	**49.5**	**47.2**	50.0	50.0		**99**	**94**	82-120	5	12	
m,p-Xylene	**49.6**	**47.1**	50.0	50.0		**99**	**94**	80-122	5	13	
o-Xylene	**49.3**	**46.2**	50.0	50.0		**99**	**92**	80-120	6	10	
Surrogate:											
Fluorobenzene						*110*	*99*	*71-111*			

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

Date of Report: August 19, 2016
Samples Submitted: August 11, 2016
Laboratory Reference: 1608-155
Project: 1295-001

TOTAL LEAD
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	08-155-02					
Client ID:	**FMW-01-081116**					
Lead	**49**	1.1	200.8	8-13-16	8-15-16	
Lab ID:	08-155-04					
Client ID:	**FMW-03-081016**					
Lead	**ND**	1.1	200.8	8-13-16	8-15-16	
Lab ID:	08-155-05					
Client ID:	**FMW-04-081016**					
Lead	**ND**	1.1	200.8	8-13-16	8-15-16	

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

Date of Report: August 19, 2016
Samples Submitted: August 11, 2016
Laboratory Reference: 1608-155
Project: 1295-001

TOTAL LEAD
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-13-16
Date Analyzed:	8-13-16
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0813WM1

Analyte	Method	Result	PQL
Lead	200.8	**ND**	1.1

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

Date of Report: August 19, 2016
Samples Submitted: August 11, 2016
Laboratory Reference: 1608-155
Project: 1295-001

TOTAL LEAD
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Extracted: 8-13-16
Date Analyzed: 8-13-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-156-03

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Lead	**ND**	**ND**	NA	1.1	

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

Date of Report: August 19, 2016
Samples Submitted: August 11, 2016
Laboratory Reference: 1608-155
Project: 1295-001

TOTAL LEAD
EPA 200.8
MS/MSD QUALITY CONTROL

Date Extracted: 8-13-16
Date Analyzed: 8-13-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-156-03

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Lead	222	**218**	98	**211**	95	3	

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

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-napthalene) 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 method 8260C, 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

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

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
Project Number: 1295-001
Project Name: Endolyne Apts
Project Manager: Tad Cline
Sampled by: Jared Kerr & Anastasia Burns

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: 08-155

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	Total lead EPA 6020/200.8				% Moisture
1	FMW-01-081016	8/10/16	1535	water	3		X																				
2	FMW-01-081116	8/11/16	0900		1																		X				
3	FMW-02-081116	8/11/16	0910		2		X																				
4	FMW-03-081016	8/10/16	1215		4		X																X				
5	FMW-04-081016	8/10/16	1055		4		X																X				

	Signature	Company	Date	Time
Relinquished		Farallon	8/11/16	1215
Received		Onsite	8-11-16	1215
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

~~Pb sample was not been filtered, please filter ASAP.~~

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

August 11, 2016

Tad Cline
Farallon Consulting, LLC
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 1608-062

Dear Tad:

Enclosed are the analytical results and associated quality control data for samples submitted on August 4, 2016.

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

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

Date of Report: August 11, 2016
Samples Submitted: August 4, 2016
Laboratory Reference: 1608-062
Project: 1295-001

Case Narrative

Samples were collected on August 3, 2016 and received by the laboratory on August 4, 2016. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

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

NWTPH Gx/BTEX Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

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

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

Date of Report: August 11, 2016
Samples Submitted: August 4, 2016
Laboratory Reference: 1608-062
Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW4-5.0**					
Laboratory ID:	08-062-02					
Benzene	**ND**	0.020	EPA 8021B	8-10-16	8-10-16	
Toluene	**ND**	0.065	EPA 8021B	8-10-16	8-10-16	
Ethyl Benzene	**ND**	0.065	EPA 8021B	8-10-16	8-10-16	
m,p-Xylene	**ND**	0.065	EPA 8021B	8-10-16	8-10-16	
o-Xylene	**ND**	0.065	EPA 8021B	8-10-16	8-10-16	
Gasoline	**ND**	6.5	NWTPH-Gx	8-10-16	8-10-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*84*	*68-129*				
Client ID:	**FMW4-10.0**					
Laboratory ID:	08-062-03					
Benzene	**ND**	0.020	EPA 8021B	8-10-16	8-10-16	
Toluene	**ND**	0.058	EPA 8021B	8-10-16	8-10-16	
Ethyl Benzene	**ND**	0.058	EPA 8021B	8-10-16	8-10-16	
m,p-Xylene	**ND**	0.058	EPA 8021B	8-10-16	8-10-16	
o-Xylene	**ND**	0.058	EPA 8021B	8-10-16	8-10-16	
Gasoline	**ND**	5.8	NWTPH-Gx	8-10-16	8-10-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*92*	*68-129*				
Client ID:	**FMW4-15.0**					
Laboratory ID:	08-062-04					
Benzene	**ND**	0.020	EPA 8021B	8-10-16	8-10-16	
Toluene	**ND**	0.073	EPA 8021B	8-10-16	8-10-16	
Ethyl Benzene	**ND**	0.073	EPA 8021B	8-10-16	8-10-16	
m,p-Xylene	**ND**	0.073	EPA 8021B	8-10-16	8-10-16	
o-Xylene	**ND**	0.073	EPA 8021B	8-10-16	8-10-16	
Gasoline	**ND**	7.3	NWTPH-Gx	8-10-16	8-10-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*101*	*68-129*				

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

Date of Report: August 11, 2016
Samples Submitted: August 4, 2016
Laboratory Reference: 1608-062
Project: 1295-001

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0810S2					
Benzene	**ND**	0.020	EPA 8021B	8-10-16	8-10-16	
Toluene	**ND**	0.050	EPA 8021B	8-10-16	8-10-16	
Ethyl Benzene	**ND**	0.050	EPA 8021B	8-10-16	8-10-16	
m,p-Xylene	**ND**	0.050	EPA 8021B	8-10-16	8-10-16	
o-Xylene	**ND**	0.050	EPA 8021B	8-10-16	8-10-16	
Gasoline	**ND**	5.0	NWTPH-Gx	8-10-16	8-10-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*68-129*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	08-134-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*92*	*92*	*68-129*			
SPIKE BLANKS											
Laboratory ID:	SB0810S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.951**	**1.02**	1.00	1.00		**95**	**102**	76-124	7	17	
Toluene	**0.960**	**0.976**	1.00	1.00		**96**	**98**	78-124	2	16	
Ethyl Benzene	**0.958**	**0.996**	1.00	1.00		**96**	**100**	77-123	4	17	
m,p-Xylene	**0.995**	**1.00**	1.00	1.00		**100**	**100**	78-124	1	17	
o-Xylene	**0.970**	**0.989**	1.00	1.00		**97**	**99**	76-123	2	18	
Surrogate:											
Fluorobenzene						*90*	*94*	*68-129*			

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Date of Report: August 11, 2016
Samples Submitted: August 4, 2016
Laboratory Reference: 1608-062
Project: 1295-001

TOTAL LEAD
EPA 6010C

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	08-062-03					
Client ID:	**FMW4-10.0**					
Lead	**ND**	5.7	6010C	8-5-16	8-5-16	

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

Date of Report: August 11, 2016
Samples Submitted: August 4, 2016
Laboratory Reference: 1608-062
Project: 1295-001

TOTAL LEAD
EPA 6010C
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-5-16
Date Analyzed:	8-5-16
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0805SM1

Analyte	Method	Result	PQL
Lead	6010C	**ND**	5.0

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Date of Report: August 11, 2016
Samples Submitted: August 4, 2016
Laboratory Reference: 1608-062
Project: 1295-001

TOTAL LEAD
EPA 6010C
DUPLICATE QUALITY CONTROL

Date Extracted: 8-5-16
Date Analyzed: 8-5-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-070-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Lead	**ND**	**ND**	NA	5.0	

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

Date of Report: August 11, 2016
Samples Submitted: August 4, 2016
Laboratory Reference: 1608-062
Project: 1295-001

TOTAL LEAD
EPA 6010C
MS/MSD QUALITY CONTROL

Date Extracted: 8-5-16
Date Analyzed: 8-5-16

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-070-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Lead	250	**237**	95	**235**	94	1	

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

Date of Report: August 11, 2016
Samples Submitted: August 4, 2016
Laboratory Reference: 1608-062
Project: 1295-001

% MOISTURE

Date Analyzed: 8-5-16

Client ID	Lab ID	% Moisture
FMW4-5.0	08-062-02	14
FMW4-10.0	08-062-03	13
FMW4-15.0	08-062-04	24

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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-napthalene) 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 method 8260C, 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

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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
Project Number: 1295-001
Project Name: ENDOLYNE APARTMENTS
Project Manager: TAD CLINE
Sampled by: Ken Smith

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: 08-062

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	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	Total Lead					% Moisture
1	FMW4-2.5	8/3/16	845	S	2																						
2	FMW4-5.0		900	S	2		X																				X
3	FMW4-10.0		945	S	2		X															X					X
4	FMW4-15.0		1045	S	2		X																				X

KS

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished	Ken Smith	FARALLON	8/3/16	1700	~~Hold SAMPLES, TAD CLINE will call~~ ANALYSIS.
Received		ONE	8/4/16	1130	
Relinquished					
Received					
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

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

March 6, 2017

Tad Cline
Farallon Consulting, LLC
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 1702-229

Dear Tad:

Enclosed are the analytical results and associated quality control data for samples submitted on February 24, 2017.

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

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

Date of Report: March 6, 2017
Samples Submitted: February 24, 2017
Laboratory Reference: 1702-229
Project: 1295-001

Case Narrative

Samples were collected on February 23, 2017 and received by the laboratory on February 24, 2017. 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.

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 6, 2017
Samples Submitted: February 24, 2017
Laboratory Reference: 1702-229
Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-2-022317**					
Laboratory ID:	02-229-01					
Benzene	**ND**	1.0	EPA 8021B	2-28-17	2-28-17	
Toluene	**ND**	1.0	EPA 8021B	2-28-17	2-28-17	
Ethyl Benzene	**ND**	1.0	EPA 8021B	2-28-17	2-28-17	
m,p-Xylene	**ND**	1.0	EPA 8021B	2-28-17	2-28-17	
o-Xylene	**ND**	1.0	EPA 8021B	2-28-17	2-28-17	
Gasoline	**ND**	100	NWTPH-Gx	2-28-17	2-28-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*61-118*				
Client ID:	**FMW-3-022317**					
Laboratory ID:	02-229-02					
Benzene	**ND**	1.0	EPA 8021B	2-28-17	2-28-17	
Toluene	**ND**	1.0	EPA 8021B	2-28-17	2-28-17	
Ethyl Benzene	**ND**	1.0	EPA 8021B	2-28-17	2-28-17	
m,p-Xylene	**ND**	1.0	EPA 8021B	2-28-17	2-28-17	
o-Xylene	**ND**	1.0	EPA 8021B	2-28-17	2-28-17	
Gasoline	**ND**	100	NWTPH-Gx	2-28-17	2-28-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*92*	*61-118*				
Client ID:	**FMW-1-022317**					
Laboratory ID:	02-229-03					
Benzene	**ND**	1.0	EPA 8021B	2-28-17	2-28-17	
Toluene	**ND**	1.0	EPA 8021B	2-28-17	2-28-17	
Ethyl Benzene	**ND**	1.0	EPA 8021B	2-28-17	2-28-17	
m,p-Xylene	**ND**	1.0	EPA 8021B	2-28-17	2-28-17	
o-Xylene	**ND**	1.0	EPA 8021B	2-28-17	2-28-17	
Gasoline	**210**	100	NWTPH-Gx	2-28-17	2-28-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*61-118*				

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Date of Report: March 6, 2017
Samples Submitted: February 24, 2017
Laboratory Reference: 1702-229
Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-4-022317**					
Laboratory ID:	02-229-04					
Benzene	**ND**	1.0	EPA 8021B	2-28-17	2-28-17	
Toluene	**ND**	1.0	EPA 8021B	2-28-17	2-28-17	
Ethyl Benzene	**ND**	1.0	EPA 8021B	2-28-17	2-28-17	
m,p-Xylene	**ND**	1.0	EPA 8021B	2-28-17	2-28-17	
o-Xylene	**ND**	1.0	EPA 8021B	2-28-17	2-28-17	
Gasoline	**ND**	100	NWTPH-Gx	2-28-17	2-28-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*61-118*				

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Date of Report: March 6, 2017
Samples Submitted: February 24, 2017
Laboratory Reference: 1702-229
Project: 1295-001

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0228W1					
Benzene	**ND**	1.0	EPA 8021B	2-28-17	2-28-17	
Toluene	**ND**	1.0	EPA 8021B	2-28-17	2-28-17	
Ethyl Benzene	**ND**	1.0	EPA 8021B	2-28-17	2-28-17	
m,p-Xylene	**ND**	1.0	EPA 8021B	2-28-17	2-28-17	
o-Xylene	**ND**	1.0	EPA 8021B	2-28-17	2-28-17	
Gasoline	**ND**	100	NWTPH-Gx	2-28-17	2-28-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*92*	*61-118*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	02-229-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*94*	*94*	*61-118*			
MATRIX SPIKES											
Laboratory ID:	02-229-01										
	MS	MSD	MS	MSD		MS	MSD				
Benzene	**45.2**	**49.4**	50.0	50.0	ND	**90**	**99**	80-120	9	13	
Toluene	**46.1**	**50.3**	50.0	50.0	ND	**92**	**101**	81-115	9	14	
Ethyl Benzene	**46.9**	**51.0**	50.0	50.0	ND	**94**	**102**	81-114	8	12	
m,p-Xylene	**46.0**	**50.3**	50.0	50.0	ND	**92**	**101**	81-114	9	13	
o-Xylene	**46.3**	**50.5**	50.0	50.0	ND	**93**	**101**	81-113	9	11	
Surrogate:											
Fluorobenzene						*96*	*95*	*61-118*			

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Date of Report: March 6, 2017
Samples Submitted: February 24, 2017
Laboratory Reference: 1702-229
Project: 1295-001

TOTAL LEAD
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	02-229-01					
Client ID:	**FMW-2-022317**					
Lead	**84**	1.1	200.8	3-1-17	3-1-17	
Lab ID:	02-229-02					
Client ID:	**FMW-3-022317**					
Lead	**3.5**	1.1	200.8	3-1-17	3-1-17	
Lab ID:	02-229-03					
Client ID:	**FMW-1-022317**					
Lead	**17**	1.1	200.8	3-1-17	3-1-17	
Lab ID:	02-229-04					
Client ID:	**FMW-4-022317**					
Lead	**ND**	1.1	200.8	3-1-17	3-1-17	

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Date of Report: March 6, 2017
Samples Submitted: February 24, 2017
Laboratory Reference: 1702-229
Project: 1295-001

TOTAL LEAD
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Extracted:	3-1-17
Date Analyzed:	3-1-17
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0301WM1

Analyte	Method	Result	PQL
Lead	200.8	**ND**	1.1

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Date of Report: March 6, 2017
Samples Submitted: February 24, 2017
Laboratory Reference: 1702-229
Project: 1295-001

TOTAL LEAD
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Extracted: 3-1-17
Date Analyzed: 3-1-17

Matrix: Water
Units: ug/L (ppb)

Lab ID: 02-233-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Lead	**ND**	**1.14**	NA	1.1	

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

Date of Report: March 6, 2017
Samples Submitted: February 24, 2017
Laboratory Reference: 1702-229
Project: 1295-001

TOTAL LEAD
EPA 200.8
MS/MSD QUALITY CONTROL

Date Extracted: 3-1-17
Date Analyzed: 3-1-17

Matrix: Water
Units: ug/L (ppb)

Lab ID: 02-233-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Lead	222	**235**	106	**228**	103	3	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 6, 2017
Samples Submitted: February 24, 2017
Laboratory Reference: 1702-229
Project: 1295-001

DISSOLVED LEAD
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	02-229-01					
Client ID:	**FMW-2-022317**					
Lead	**ND**	1.0	200.8	2-28-17	2-28-17	
Lab ID:	02-229-02					
Client ID:	**FMW-3-022317**					
Lead	**ND**	1.0	200.8	2-28-17	2-28-17	
Lab ID:	02-229-03					
Client ID:	**FMW-1-022317**					
Lead	**ND**	1.0	200.8	2-28-17	2-28-17	
Lab ID:	02-229-04					
Client ID:	**FMW-4-022317**					
Lead	**ND**	1.0	200.8	2-28-17	2-28-17	

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Date of Report: March 6, 2017
Samples Submitted: February 24, 2017
Laboratory Reference: 1702-229
Project: 1295-001

DISSOLVED LEAD
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Filtered:	2-28-17
Date Analyzed:	2-28-17
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0228F1

Analyte	Method	Result	PQL
Lead	200.8	**ND**	1.0

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 6, 2017
Samples Submitted: February 24, 2017
Laboratory Reference: 1702-229
Project: 1295-001

DISSOLVED LEAD
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Filtered: 2-28-17
Date Analyzed: 2-28-17

Matrix: Water
Units: ug/L (ppb)

Lab ID: 02-229-04

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Lead	**ND**	**ND**	NA	1.0	

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Date of Report: March 6, 2017
Samples Submitted: February 24, 2017
Laboratory Reference: 1702-229
Project: 1295-001

DISSOLVED LEAD
EPA 200.8
MS/MSD QUALITY CONTROL

Date Filtered: 2-28-17
Date Analyzed: 2-28-17

Matrix: Water
Units: ug/L (ppb)

Lab ID: 02-229-04

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Lead	200	**193**	96	**201**	100	4	

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

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-napthalene) 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 method 8260C, 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

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

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
Project Number: 1295-001
Project Name: Endolyne Garden Apts
Project Manager: TAO CLINE
Sampled by: Kim Smith

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: 02-229

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	Total Lead	Dissolved Lead			% Moisture
1	FMW-2-022317	2/23/17	1240	W	5		X																X	X			
2	FMW-3-022317		1310	W	5		X																X	X			
3	FMW-1-022317		1338	W	5		X																X	X			
4	FMW-4-022317	↓	1405	W	5		X																X	X			

	Signature	Company	Date	Time
Relinquished	Kim Smith	FARALLON	2/23/17	1630
Received		ODE	2/24/17	1200
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

The unpreserved polys were filtered @ 0.45 micron filter in field. Please preserve @ Nitric Acid.

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

May 26, 2017

Tad Cline
Farallon Consulting, LLC
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 1705-250

Dear Tad:

Enclosed are the analytical results and associated quality control data for samples submitted on May 19, 2017.

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

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

Date of Report: May 26, 2017
Samples Submitted: May 19, 2017
Laboratory Reference: 1705-250
Project: 1295-001

Case Narrative

Samples were collected on May 18, 2017 and received by the laboratory on May 19, 2017. 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.

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

Date of Report: May 26, 2017
Samples Submitted: May 19, 2017
Laboratory Reference: 1705-250
Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-2-051817**					
Laboratory ID:	05-250-01					
Benzene	**ND**	1.0	EPA 8021B	5-25-17	5-25-17	
Toluene	**ND**	1.0	EPA 8021B	5-25-17	5-25-17	
Ethyl Benzene	**ND**	1.0	EPA 8021B	5-25-17	5-25-17	
m,p-Xylene	**ND**	1.0	EPA 8021B	5-25-17	5-25-17	
o-Xylene	**ND**	1.0	EPA 8021B	5-25-17	5-25-17	
Gasoline	**ND**	100	NWTPH-Gx	5-25-17	5-25-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*97*	*61-118*				
Client ID:	**FMW-3-051817**					
Laboratory ID:	05-250-02					
Benzene	**ND**	1.0	EPA 8021B	5-25-17	5-25-17	
Toluene	**ND**	1.0	EPA 8021B	5-25-17	5-25-17	
Ethyl Benzene	**ND**	1.0	EPA 8021B	5-25-17	5-25-17	
m,p-Xylene	**ND**	1.0	EPA 8021B	5-25-17	5-25-17	
o-Xylene	**ND**	1.0	EPA 8021B	5-25-17	5-25-17	
Gasoline	**ND**	100	NWTPH-Gx	5-25-17	5-25-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*61-118*				
Client ID:	**FMW-1-051817**					
Laboratory ID:	05-250-03					
Benzene	**ND**	1.0	EPA 8021B	5-25-17	5-25-17	
Toluene	**ND**	1.0	EPA 8021B	5-25-17	5-25-17	
Ethyl Benzene	**ND**	1.0	EPA 8021B	5-25-17	5-25-17	
m,p-Xylene	**ND**	1.0	EPA 8021B	5-25-17	5-25-17	
o-Xylene	**ND**	1.0	EPA 8021B	5-25-17	5-25-17	
Gasoline	**150**	100	NWTPH-Gx	5-25-17	5-25-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*102*	*61-118*				

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

Date of Report: May 26, 2017
Samples Submitted: May 19, 2017
Laboratory Reference: 1705-250
Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-4-051817**					
Laboratory ID:	05-250-04					
Benzene	**ND**	1.0	EPA 8021B	5-25-17	5-25-17	
Toluene	**ND**	1.0	EPA 8021B	5-25-17	5-25-17	
Ethyl Benzene	**ND**	1.0	EPA 8021B	5-25-17	5-25-17	
m,p-Xylene	**ND**	1.0	EPA 8021B	5-25-17	5-25-17	
o-Xylene	**ND**	1.0	EPA 8021B	5-25-17	5-25-17	
Gasoline	**ND**	100	NWTPH-Gx	5-25-17	5-25-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*98*	*61-118*				

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

Date of Report: May 26, 2017
Samples Submitted: May 19, 2017
Laboratory Reference: 1705-250
Project: 1295-001

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0525W1					
Benzene	**ND**	1.0	EPA 8021B	5-25-17	5-25-17	
Toluene	**ND**	1.0	EPA 8021B	5-25-17	5-25-17	
Ethyl Benzene	**ND**	1.0	EPA 8021B	5-25-17	5-25-17	
m,p-Xylene	**ND**	1.0	EPA 8021B	5-25-17	5-25-17	
o-Xylene	**ND**	1.0	EPA 8021B	5-25-17	5-25-17	
Gasoline	**ND**	100	NWTPH-Gx	5-25-17	5-25-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*97*	*61-118*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	05-250-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*97*	*97*	*61-118*			
MATRIX SPIKES											
Laboratory ID:	05-250-01										
	MS	MSD	MS	MSD		MS	MSD				
Benzene	**45.6**	**45.6**	50.0	50.0	ND	**91**	**91**	80-120	0	13	
Toluene	**46.7**	**46.6**	50.0	50.0	ND	**93**	**93**	81-115	0	14	
Ethyl Benzene	**47.9**	**47.8**	50.0	50.0	ND	**96**	**96**	81-114	0	12	
m,p-Xylene	**47.4**	**47.2**	50.0	50.0	ND	**95**	**94**	81-114	0	13	
o-Xylene	**47.5**	**47.4**	50.0	50.0	ND	**95**	**95**	81-113	0	11	
Surrogate:											
Fluorobenzene						*92*	*92*	*61-118*			

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

Date of Report: May 26, 2017
Samples Submitted: May 19, 2017
Laboratory Reference: 1705-250
Project: 1295-001

TOTAL LEAD
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	05-250-01					
Client ID:	**FMW-2-051817**					
Lead	**14**	1.0	200.8	5-24-17	5-24-17	
Lab ID:	05-250-02					
Client ID:	**FMW-3-051817**					
Lead	**56**	1.0	200.8	5-24-17	5-24-17	
Lab ID:	05-250-03					
Client ID:	**FMW-1-051817**					
Lead	**42**	1.0	200.8	5-24-17	5-24-17	
Lab ID:	05-250-04					
Client ID:	**FMW-4-051817**					
Lead	**1.9**	1.0	200.8	5-24-17	5-24-17	

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

Date of Report: May 26, 2017
Samples Submitted: May 19, 2017
Laboratory Reference: 1705-250
Project: 1295-001

TOTAL LEAD
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Extracted:	5-24-17
Date Analyzed:	5-24-17
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0524WH1

Analyte	Method	Result	PQL
Lead	200.8	**ND**	1.0

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

Date of Report: May 26, 2017
Samples Submitted: May 19, 2017
Laboratory Reference: 1705-250
Project: 1295-001

TOTAL LEAD
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Extracted: 5-24-17
Date Analyzed: 5-24-17

Matrix: Water
Units: ug/L (ppb)

Lab ID: 05-205-07

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Lead	**ND**	**ND**	NA	1.0	

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

Date of Report: May 26, 2017
Samples Submitted: May 19, 2017
Laboratory Reference: 1705-250
Project: 1295-001

TOTAL LEAD
EPA 200.8
MS/MSD QUALITY CONTROL

Date Extracted: 5-24-17
Date Analyzed: 5-24-17

Matrix: Water
Units: ug/L (ppb)

Lab ID: 05-205-07

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Lead	100	**108**	108	**106**	106	2	

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

Date of Report: May 26, 2017
Samples Submitted: May 19, 2017
Laboratory Reference: 1705-250
Project: 1295-001

DISSOLVED LEAD
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	05-250-01					
Client ID:	**FMW-2-051817**					
Lead	**ND**	1.0	200.8		5-24-17	
Lab ID:	05-250-02					
Client ID:	**FMW-3-051817**					
Lead	**ND**	1.0	200.8		5-24-17	
Lab ID:	05-250-03					
Client ID:	**FMW-1-051817**					
Lead	**ND**	1.0	200.8		5-24-17	
Lab ID:	05-250-04					
Client ID:	**FMW-4-051817**					
Lead	**ND**	1.0	200.8		5-24-17	

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

Date of Report: May 26, 2017
Samples Submitted: May 19, 2017
Laboratory Reference: 1705-250
Project: 1295-001

DISSOLVED LEAD
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Analyzed:	5-24-17
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0519F1

Analyte	Method	Result	PQL
Lead	200.8	**ND**	1.0

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

Date of Report: May 26, 2017
Samples Submitted: May 19, 2017
Laboratory Reference: 1705-250
Project: 1295-001

DISSOLVED LEAD
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Analyzed: 5-24-17

Matrix: Water
Units: ug/L (ppb)

Lab ID: 05-250-04

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Lead	**ND**	**ND**	NA	1.0	

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

Date of Report: May 26, 2017
Samples Submitted: May 19, 2017
Laboratory Reference: 1705-250
Project: 1295-001

DISSOLVED LEAD
EPA 200.8
MS/MSD QUALITY CONTROL

Date Analyzed: 5-24-17

Matrix: Water
Units: ug/L (ppb)

Lab ID: 05-250-04

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Lead	80.0	**77.8**	97	**79.2**	99	2	

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

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-napthalene) 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 method 8260C, 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

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

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
Project Number: 1295-001
Project Name: Endolyne Garden Apts
Project Manager: TAD CLINE
Sampled by: Ken Scott

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: 05-250

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	Total LEAD	Dissolved LEAD			% Moisture
1	FMW-2-051817	5/18/17	1056	W	5		X																X	X			
2	FMW-3-051817		1128	W	5		X																X	X			
3	FMW-1-051817		1155	W	5		X																X	X			
4	FMW-4-051817		1240	W	5		X																X	X			

	Signature	Company	Date	Time
Relinquished	Ken Scott	FARALLON	5/18/17	1715
Received	Van	Spdy	5/19/17	1000
Relinquished	Van	Spdy	5/19/17	1100
Received	[signature]	GSE	5.19.17	11:00A
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
Dissolved Lead samples filtered in field. Put D on top of dissolved Poly, & T on top of Total Lead samples.

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

November 22, 2016

Tad Cline
Farallon Consulting, LLC
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 1611-159

Dear Tad:

Enclosed are the analytical results and associated quality control data for samples submitted on November 15, 2016.

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

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

Date of Report: November 22, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-159
Project: 1295-001

Case Narrative

Samples were collected on November 15, 2016 and received by the laboratory on November 15, 2016. 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.

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

Date of Report: November 22, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-159
Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-1-111516**					
Laboratory ID:	11-159-01					
Benzene	**ND**	1.0	EPA 8021B	11-17-16	11-17-16	
Toluene	**ND**	1.0	EPA 8021B	11-17-16	11-17-16	
Ethyl Benzene	**ND**	1.0	EPA 8021B	11-17-16	11-17-16	
m,p-Xylene	**ND**	1.0	EPA 8021B	11-17-16	11-17-16	
o-Xylene	**ND**	1.0	EPA 8021B	11-17-16	11-17-16	
Gasoline	**110**	100	NWTPH-Gx	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*102*	*61-118*				
Client ID:	**FMW-2-111516**					
Laboratory ID:	11-159-02					
Benzene	**ND**	1.0	EPA 8021B	11-17-16	11-17-16	
Toluene	**ND**	1.0	EPA 8021B	11-17-16	11-17-16	
Ethyl Benzene	**ND**	1.0	EPA 8021B	11-17-16	11-17-16	
m,p-Xylene	**ND**	1.0	EPA 8021B	11-17-16	11-17-16	
o-Xylene	**ND**	1.0	EPA 8021B	11-17-16	11-17-16	
Gasoline	**ND**	100	NWTPH-Gx	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*104*	*61-118*				
Client ID:	**FMW-3-111516**					
Laboratory ID:	11-159-03					
Benzene	**ND**	1.0	EPA 8021B	11-17-16	11-17-16	
Toluene	**ND**	1.0	EPA 8021B	11-17-16	11-17-16	
Ethyl Benzene	**ND**	1.0	EPA 8021B	11-17-16	11-17-16	
m,p-Xylene	**ND**	1.0	EPA 8021B	11-17-16	11-17-16	
o-Xylene	**ND**	1.0	EPA 8021B	11-17-16	11-17-16	
Gasoline	**ND**	100	NWTPH-Gx	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*103*	*61-118*				

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

Date of Report: November 22, 2016
Date of Report: November 22, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-159
Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-4-111516**					
Laboratory ID:	11-159-04					
Benzene	**ND**	1.0	EPA 8021B	11-17-16	11-17-16	
Toluene	**ND**	1.0	EPA 8021B	11-17-16	11-17-16	
Ethyl Benzene	**ND**	1.0	EPA 8021B	11-17-16	11-17-16	
m,p-Xylene	**ND**	1.0	EPA 8021B	11-17-16	11-17-16	
o-Xylene	**ND**	1.0	EPA 8021B	11-17-16	11-17-16	
Gasoline	**ND**	100	NWTPH-Gx	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*103*	*61-118*				

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Samples Submitted: November 15, 2016
Laboratory Reference: 1611-159
Project: 1295-001

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1117W1					
Benzene	**ND**	1.0	EPA 8021B	11-17-16	11-17-16	
Toluene	**ND**	1.0	EPA 8021B	11-17-16	11-17-16	
Ethyl Benzene	**ND**	1.0	EPA 8021B	11-17-16	11-17-16	
m,p-Xylene	**ND**	1.0	EPA 8021B	11-17-16	11-17-16	
o-Xylene	**ND**	1.0	EPA 8021B	11-17-16	11-17-16	
Gasoline	**ND**	100	NWTPH-Gx	11-17-16	11-17-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*101*	*61-118*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-159-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**114**	**105**	NA	NA		NA		NA	8	30	
Surrogate:											
Fluorobenzene						*102*	*101*	*61-118*			
MATRIX SPIKES											
Laboratory ID:	11-159-01										
	MS	MSD	MS	MSD		MS	MSD				
Benzene	**52.6**	**51.7**	50.0	50.0	ND	**105**	**103**	80-120	2	13	
Toluene	**51.9**	**50.9**	50.0	50.0	ND	**104**	**102**	81-115	2	14	
Ethyl Benzene	**52.7**	**51.8**	50.0	50.0	ND	**105**	**104**	81-114	2	12	
m,p-Xylene	**52.6**	**51.8**	50.0	50.0	ND	**105**	**104**	81-114	2	13	
o-Xylene	**51.5**	**50.9**	50.0	50.0	ND	**103**	**102**	81-113	1	11	
Surrogate:											
Fluorobenzene						*104*	*103*	*61-118*			

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

Date of Report: November 22, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-159
Project: 1295-001

TOTAL LEAD
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-159-01					
Client ID:	**FMW-1-111516**					
Lead	**26**	1.1	200.8	11-17-16	11-17-16	
Lab ID:	11-159-02					
Client ID:	**FMW-2-111516**					
Lead	**9.1**	1.1	200.8	11-17-16	11-17-16	
Lab ID:	11-159-03					
Client ID:	**FMW-3-111516**					
Lead	**ND**	1.1	200.8	11-17-16	11-17-16	
Lab ID:	11-159-04					
Client ID:	**FMW-4-111516**					
Lead	**ND**	1.1	200.8	11-17-16	11-17-16	

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 22, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-159
Project: 1295-001

TOTAL LEAD
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Extracted:	11-17-16
Date Analyzed:	11-17-16
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB1117WM1

Analyte	Method	Result	PQL
Lead	200.8	**ND**	1.1

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

Date of Report: November 22, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-159
Project: 1295-001

TOTAL LEAD
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Extracted: 11-17-16
Date Analyzed: 11-17-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: 11-130-08

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Lead	**ND**	**ND**	NA	1.1	

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

Date of Report: November 22, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-159
Project: 1295-001

TOTAL LEAD
EPA 200.8
MS/MSD QUALITY CONTROL

Date Extracted: 11-17-16
Date Analyzed: 11-17-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: 11-130-08

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Lead	222	**198**	89	**194**	87	2	

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 22, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-159
Project: 1295-001

DISSOLVED LEAD
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-159-01					
Client ID:	**FMW-1-111516**					
Lead	**ND**	1.0	200.8	11-15-16	11-17-16	
Lab ID:	11-159-02					
Client ID:	**FMW-2-111516**					
Lead	**ND**	1.0	200.8	11-15-16	11-17-16	
Lab ID:	11-159-03					
Client ID:	**FMW-3-111516**					
Lead	**ND**	1.0	200.8	11-15-16	11-17-16	
Lab ID:	11-159-04					
Client ID:	**FMW-4-111516**					
Lead	**ND**	1.0	200.8	11-15-16	11-17-16	

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

Date of Report: November 22, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-159
Project: 1295-001

DISSOLVED LEAD
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Analyzed: 11-17-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1115F1

Analyte	Method	Result	PQL
Lead	200.8	**ND**	1.0

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

Date of Report: November 22, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-159
Project: 1295-001

DISSOLVED LEAD
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Analyzed: 11-17-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: 11-130-08

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Lead	**ND**	**ND**	NA	1.0	

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

Date of Report: November 22, 2016
Samples Submitted: November 15, 2016
Laboratory Reference: 1611-159
Project: 1295-001

DISSOLVED LEAD
EPA 200.8
MS/MSD QUALITY CONTROL

Date Analyzed: 11-17-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: 11-130-08

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Lead	200	**185**	93	**183**	91	2	

This report pertains to the samples analyzed in accordance with the chain of custody,
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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-napthalene) 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 method 8260C, 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

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

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: 1295-001
Project Name: Endolyne Garden Apartments
Project Manager: Tad Cline
Sampled by: A. Burns

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: 11-159

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	GRO/BTEX by EPA 8021B	Total Lead by 6020A	Dissolved Lead by 200.8		% Moisture
1	FMW-1-111516	11-15-16	9:25	Water	5																		X	X	X		
2	FMW-2-111516		9:40																								
3	FMW-3-111516		10:55																								
4	FMW-4-111516		11:55																								

AB

	Signature	Company	Date	Time
Relinquished	A. Burns	Farallon	11-15-16	14:03
Received			11/15/16	1438
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
Please filter dissolved sample ASAP.

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

October 27, 2017

Tad Cline
Farallon Consulting, LLC
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 1710-278

Dear Tad:

Enclosed are the analytical results and associated quality control data for samples submitted on October 20, 2017.

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

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

Date of Report: October 27, 2017
Samples Submitted: October 20, 2017
Laboratory Reference: 1710-278
Project: 1295-001

Case Narrative

Samples were collected on October 19, 2017 and received by the laboratory on October 20, 2017. 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.

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

Date of Report: October 27, 2017
Samples Submitted: October 20, 2017
Laboratory Reference: 1710-278
Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-2-101917**					
Laboratory ID:	10-278-01					
Benzene	**ND**	1.0	EPA 8021B	10-23-17	10-23-17	
Toluene	**ND**	1.0	EPA 8021B	10-23-17	10-23-17	
Ethyl Benzene	**ND**	1.0	EPA 8021B	10-23-17	10-23-17	
m,p-Xylene	**ND**	1.0	EPA 8021B	10-23-17	10-23-17	
o-Xylene	**ND**	1.0	EPA 8021B	10-23-17	10-23-17	
Gasoline	**ND**	100	NWTPH-Gx	10-23-17	10-23-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*101*	*66-114*				
Client ID:	**FMW-3-101917**					
Laboratory ID:	10-278-02					
Benzene	**ND**	1.0	EPA 8021B	10-23-17	10-23-17	
Toluene	**ND**	1.0	EPA 8021B	10-23-17	10-23-17	
Ethyl Benzene	**ND**	1.0	EPA 8021B	10-23-17	10-23-17	
m,p-Xylene	**ND**	1.0	EPA 8021B	10-23-17	10-23-17	
o-Xylene	**ND**	1.0	EPA 8021B	10-23-17	10-23-17	
Gasoline	**ND**	100	NWTPH-Gx	10-23-17	10-23-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*82*	*66-114*				
Client ID:	**FMW-6-101917**					
Laboratory ID:	10-278-03					
Benzene	**ND**	1.0	EPA 8021B	10-23-17	10-23-17	
Toluene	**ND**	1.0	EPA 8021B	10-23-17	10-23-17	
Ethyl Benzene	**ND**	1.0	EPA 8021B	10-23-17	10-23-17	
m,p-Xylene	**ND**	1.0	EPA 8021B	10-23-17	10-23-17	
o-Xylene	**ND**	1.0	EPA 8021B	10-23-17	10-23-17	
Gasoline	**130**	100	NWTPH-Gx	10-23-17	10-23-17	O
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*100*	*66-114*				

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

Date of Report: October 27, 2017
Samples Submitted: October 20, 2017
Laboratory Reference: 1710-278
Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-1-101917**					
Laboratory ID:	10-278-04					
Benzene	**ND**	1.0	EPA 8021B	10-23-17	10-23-17	
Toluene	**ND**	1.0	EPA 8021B	10-23-17	10-23-17	
Ethyl Benzene	**ND**	1.0	EPA 8021B	10-23-17	10-23-17	
m,p-Xylene	**ND**	1.0	EPA 8021B	10-23-17	10-23-17	
o-Xylene	**ND**	1.0	EPA 8021B	10-23-17	10-23-17	
Gasoline	**ND**	100	NWTPH-Gx	10-23-17	10-23-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*83*	*66-114*				
Client ID:	**FMW-4-101917**					
Laboratory ID:	10-278-05					
Benzene	**ND**	1.0	EPA 8021B	10-23-17	10-23-17	
Toluene	**ND**	1.0	EPA 8021B	10-23-17	10-23-17	
Ethyl Benzene	**ND**	1.0	EPA 8021B	10-23-17	10-23-17	
m,p-Xylene	**ND**	1.0	EPA 8021B	10-23-17	10-23-17	
o-Xylene	**ND**	1.0	EPA 8021B	10-23-17	10-23-17	
Gasoline	**ND**	100	NWTPH-Gx	10-23-17	10-23-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*97*	*66-114*				
Client ID:	**FMW-5-101917**					
Laboratory ID:	10-278-06					
Benzene	**ND**	4.0	EPA 8021B	10-24-17	10-24-17	
Toluene	**ND**	4.0	EPA 8021B	10-24-17	10-24-17	
Ethyl Benzene	**6.6**	4.0	EPA 8021B	10-24-17	10-24-17	
m,p-Xylene	**13**	4.0	EPA 8021B	10-24-17	10-24-17	
o-Xylene	**4.9**	4.0	EPA 8021B	10-24-17	10-24-17	
Gasoline	**4100**	400	NWTPH-Gx	10-24-17	10-24-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*66-114*				

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

Date of Report: October 27, 2017
Samples Submitted: October 20, 2017
Laboratory Reference: 1710-278
Project: 1295-001

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1024W1					
Benzene	**ND**	1.0	EPA 8021B	10-24-17	10-24-17	
Toluene	**ND**	1.0	EPA 8021B	10-24-17	10-24-17	
Ethyl Benzene	**ND**	1.0	EPA 8021B	10-24-17	10-24-17	
m,p-Xylene	**ND**	1.0	EPA 8021B	10-24-17	10-24-17	
o-Xylene	**ND**	1.0	EPA 8021B	10-24-17	10-24-17	
Gasoline	**ND**	100	NWTPH-Gx	10-24-17	10-24-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*100*	*66-114*				
Laboratory ID:	MB1024W1					
Benzene	**ND**	1.0	EPA 8021B	10-24-17	10-24-17	
Toluene	**ND**	1.0	EPA 8021B	10-24-17	10-24-17	
Ethyl Benzene	**ND**	1.0	EPA 8021B	10-24-17	10-24-17	
m,p-Xylene	**ND**	1.0	EPA 8021B	10-24-17	10-24-17	
o-Xylene	**ND**	1.0	EPA 8021B	10-24-17	10-24-17	
Gasoline	**ND**	100	NWTPH-Gx	10-24-17	10-24-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*100*	*66-114*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	10-272-02										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*98*	*97*	*66-114*			
MATRIX SPIKES											
Laboratory ID:	10-272-01										
	MS	MSD	MS	MSD		MS	MSD				
Benzene	**50.4**	**46.4**	50.0	50.0	ND	**101**	**93**	80-120	8	13	
Toluene	**50.5**	**46.4**	50.0	50.0	ND	**101**	**93**	81-117	8	14	
Ethyl Benzene	**50.9**	**46.8**	50.0	50.0	ND	**102**	**94**	81-120	8	12	
m,p-Xylene	**49.9**	**45.9**	50.0	50.0	ND	**100**	**92**	79-122	8	13	
o-Xylene	**49.2**	**45.4**	50.0	50.0	ND	**98**	**91**	81-120	8	11	
Surrogate:											
Fluorobenzene						*96*	*87*	*66-114*			

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

Date of Report: October 27, 2017
Samples Submitted: October 20, 2017
Laboratory Reference: 1710-278
Project: 1295-001

TOTAL LEAD
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-278-01					
Client ID:	**FMW-2-101917**					
Lead	**6.2**	1.1	200.8	10-27-17	10-27-17	
Lab ID:	10-278-02					
Client ID:	**FMW-3-101917**					
Lead	**4.6**	1.1	200.8	10-27-17	10-27-17	
Lab ID:	10-278-03					
Client ID:	**FMW-6-101917**					
Lead	**ND**	1.1	200.8	10-27-17	10-27-17	
Lab ID:	10-278-04					
Client ID:	**FMW-1-101917**					
Lead	**6.2**	1.1	200.8	10-27-17	10-27-17	
Lab ID:	10-278-05					
Client ID:	**FMW-4-101917**					
Lead	**ND**	1.1	200.8	10-27-17	10-27-17	
Lab ID:	10-278-06					
Client ID:	**FMW-5-101917**					
Lead	**4.9**	1.1	200.8	10-27-17	10-27-17	

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

Date of Report: October 27, 2017
Samples Submitted: October 20, 2017
Laboratory Reference: 1710-278
Project: 1295-001

TOTAL LEAD
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Extracted:	10-27-17
Date Analyzed:	10-27-17
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB1027WM1

Analyte	Method	Result	PQL
Lead	200.8	**ND**	1.1

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

Date of Report: October 27, 2017
Samples Submitted: October 20, 2017
Laboratory Reference: 1710-278
Project: 1295-001

TOTAL LEAD
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Extracted: 10-27-17
Date Analyzed: 10-27-17

Matrix: Water
Units: ug/L (ppb)

Lab ID: 10-249-05

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Lead	**ND**	**ND**	NA	1.1	

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

Date of Report: October 27, 2017
Samples Submitted: October 20, 2017
Laboratory Reference: 1710-278
Project: 1295-001

TOTAL LEAD
EPA 200.8
MS/MSD QUALITY CONTROL

Date Extracted: 10-27-17
Date Analyzed: 10-27-17

Matrix: Water
Units: ug/L (ppb)

Lab ID: 10-249-05

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Lead	222	**216**	97	**225**	101	4	

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

Date of Report: October 27, 2017
Samples Submitted: October 20, 2017
Laboratory Reference: 1710-278
Project: 1295-001

DISSOLVED LEAD
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-278-01					
Client ID:	**FMW-2-101917**					
Lead	**ND**	1.0	200.8		10-24-17	
Lab ID:	10-278-02					
Client ID:	**FMW-3-101917**					
Lead	**ND**	1.0	200.8		10-24-17	
Lab ID:	10-278-03					
Client ID:	**FMW-6-101917**					
Lead	**ND**	1.0	200.8		10-24-17	
Lab ID:	10-278-04					
Client ID:	**FMW-1-101917**					
Lead	**ND**	1.0	200.8		10-24-17	
Lab ID:	10-278-05					
Client ID:	**FMW-4-101917**					
Lead	**ND**	1.0	200.8		10-24-17	
Lab ID:	10-278-06					
Client ID:	**FMW-5-101917**					
Lead	**3.5**	1.0	200.8		10-24-17	

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

Date of Report: October 27, 2017
Samples Submitted: October 20, 2017
Laboratory Reference: 1710-278
Project: 1295-001

DISSOLVED LEAD
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Analyzed: 10-24-17

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1024D1

Analyte	Method	Result	PQL
Lead	200.8	**ND**	1.0

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

Date of Report: October 27, 2017
Samples Submitted: October 20, 2017
Laboratory Reference: 1710-278
Project: 1295-001

DISSOLVED LEAD
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Analyzed: 10-24-17

Matrix: Water
Units: ug/L (ppb)

Lab ID: 10-265-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Lead	**1.09**	**ND**	NA	1.0	

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

Date of Report: October 27, 2017
Samples Submitted: October 20, 2017
Laboratory Reference: 1710-278
Project: 1295-001

DISSOLVED LEAD
EPA 200.8
MS/MSD QUALITY CONTROL

Date Analyzed: 10-24-17

Matrix: Water
Units: ug/L (ppb)

Lab ID: 10-265-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Lead	200	**185**	92	**183**	91	1	

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

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-napthalene) 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 method 8260C, 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

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

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

Laboratory Number: 10-278

Company: FARALLON
Project Number: 1295-001
Project Name: ENDOLYNE GARDEN APTS
Project Manager: TAD CLINE
Sampled by: Ken Scott

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 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 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	TOTAL LEAD	DISSOLVED LEAD			% Moisture
1	FMW-2-101917	10/19/17	1035	W	5		X																X	X			
2	FMW-3-101917		1113	W	5		X																X	X			
3	FMW-6-101917		1158	W	5		X																X	X			
4	FMW-1-101917		1235	W	5		X																X	X			
5	FMW-4-101917		1330	W	5		X																X	X			
6	FMW-5-101917		1405	W	5		X																X	X			

(X5)

	Signature	Company	Date	Time
Relinquished	Ken Scott	FARALLON	10/19/17	1700
Received		Onsite	10-20-17	~~1700~~ 1330
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
Dissolved LEAD SAMPLES All field filtered. Put T-ontop of total lead poly's, + Put-D ontop of dissolved LEAD poly's-

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

October 18, 2017

Tad Cline
Farallon Consulting, LLC
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 1710-139

Dear Tad:

Enclosed are the analytical results and associated quality control data for samples submitted on October 11, 2017.

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

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

Date of Report: October 18, 2017
Samples Submitted: October 11, 2017
Laboratory Reference: 1710-139
Project: 1295-001

Case Narrative

Samples were collected on October 10, 2017 and received by the laboratory on October 11, 2017. 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.

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

Date of Report: October 18, 2017
Samples Submitted: October 11, 2017
Laboratory Reference: 1710-139
Project: 1295-001

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW5-11.5**					
Laboratory ID:	10-139-03					
Benzene	**0.043**	0.030	EPA 8021B	10-16-17	10-17-17	
Toluene	**ND**	0.15	EPA 8021B	10-16-17	10-17-17	
Ethyl Benzene	**ND**	0.75	EPA 8021B	10-16-17	10-17-17	U1
m,p-Xylene	**0.45**	0.15	EPA 8021B	10-16-17	10-17-17	
o-Xylene	**ND**	0.15	EPA 8021B	10-16-17	10-17-17	
Gasoline	**130**	15	NWTPH-Gx	10-16-17	10-17-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*86*	*66-130*				
Client ID:	**FMW6-13.0**					
Laboratory ID:	10-139-07					
Benzene	**0.036**	0.023	EPA 8021B	10-16-17	10-17-17	
Toluene	**ND**	0.11	EPA 8021B	10-16-17	10-17-17	
Ethyl Benzene	**0.24**	0.11	EPA 8021B	10-16-17	10-17-17	
m,p-Xylene	**0.32**	0.11	EPA 8021B	10-16-17	10-17-17	
o-Xylene	**ND**	0.11	EPA 8021B	10-16-17	10-17-17	
Gasoline	**93**	11	NWTPH-Gx	10-16-17	10-17-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*88*	*66-130*				

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

Date of Report: October 18, 2017
Samples Submitted: October 11, 2017
Laboratory Reference: 1710-139
Project: 1295-001

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1016S1					
Benzene	**ND**	0.020	EPA 8021B	10-16-17	10-16-17	
Toluene	**ND**	0.050	EPA 8021B	10-16-17	10-16-17	
Ethyl Benzene	**ND**	0.050	EPA 8021B	10-16-17	10-16-17	
m,p-Xylene	**ND**	0.050	EPA 8021B	10-16-17	10-16-17	
o-Xylene	**ND**	0.050	EPA 8021B	10-16-17	10-16-17	
Gasoline	**ND**	5.0	NWTPH-Gx	10-16-17	10-16-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*89*	*66-130*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	10-146-05										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*95*	*93*	*66-130*			
SPIKE BLANKS											
Laboratory ID:	SB1016S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.978**	**0.923**	1.00	1.00		**98**	**92**	70-120	6	11	
Toluene	**0.992**	**0.931**	1.00	1.00		**99**	**93**	73-121	6	14	
Ethyl Benzene	**1.00**	**0.938**	1.00	1.00		**100**	**94**	74-121	6	11	
m,p-Xylene	**0.995**	**0.929**	1.00	1.00		**100**	**93**	75-124	7	13	
o-Xylene	**0.983**	**0.924**	1.00	1.00		**98**	**92**	75-121	6	12	
Surrogate:											
Fluorobenzene						*95*	*88*	*66-130*			

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

Date of Report: October 18, 2017
Samples Submitted: October 11, 2017
Laboratory Reference: 1710-139
Project: 1295-001

% MOISTURE

Date Analyzed: 10-16-17

Client ID	Lab ID	% Moisture
FMW5-11.5	10-139-03	23
FMW6-13.0	10-139-07	12

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

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-napthalene) 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 method 8260C, 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

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

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
Project Number: 1295-001
Project Name: Endolyne Garden Apts
Project Manager: TAD CLINE
Sampled by: Ken Scott

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: 10-139

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX 8021B	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 5-5.0	10/10/17	930	S	2																						
2	FMW 5-9.0		950	S	2																						
3	FMW 5-11.5		1000	S	2		X																				X
4	FMW 5-14.0		1010	S	2																						
5	FMW 6-5.0		1215	S	2																						
6	FMW 6-9.0		1305	S	2																						
7	FMW 6-13.0		1315	S	2		X																				X
8	FMW 6-15.0		1335	S	2																						
										125																	

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished	Ken Scott	FARALLON	10/10/17	1730	Hold remaining samples.
Received			10/11/17	1130	
Relinquished					
Received					
Relinquished					
Received					Data Package: Standard ☐ Level III ☐ Level IV ☐
Reviewed/Date		Reviewed/Date			Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

REMEDIAL ACTION REPORT

ENDOLYNE GARDEN APARTMENTS
9212 45th AVENUE SOUTHWEST
SEATTLE, WASHINGTON

Submitted by:
Farallon Consulting, L.L.C.
975 5th Avenue Northwest
Issaquah, Washington 98027

Farallon PN: 1295-001

For:
Endolyne Apartments, LLC
c/o Plus One Capital, LLC
2143 North Northlake Way, Suite C-1
Seattle, Washington 98103

August 19, 2021

Prepared by:

Lyndsey Needham, L.G.
Associate Geologist

Reviewed by:

Paul C. Grabau, L.G., L.H.G.
Principal Hydrogeologist

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FIGURES

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Figure 2 *Site Map Showing Chemical Oxidant Treatment Area*

Figure 3 *Groundwater Elevation Contour Map – March 25, 2020*

Figure 4 *Groundwater Elevation Contour Map – June 22, 2020*

Figure 5 *Groundwater Elevation Contour Map – September 30, 2020*

Figure 6 *Groundwater Elevation Contour Map – December 15, 2020*

TABLES

Table 1 *Laboratory Analytical Results for Soil Samples – TPH and BTEX*

Table 2 *Laboratory Analytical Results for Soil Samples – EDB, EDC, MTBE, and Naphthalene*

Table 3 *Laboratory Analytical Results for Soil Samples – Lead*

Table 4 *Laboratory Analytical Results for Soil Samples – cPAHs*

Table 5 *Laboratory Analytical Results for Soil Samples – PCBs*

Table 6 *Laboratory Analytical Results for Soil Samples – HVOCs*

Table 7 *Laboratory Analytical Results for Reconnaissance Groundwater Samples – TPH and BTEX*

Table 8 *Laboratory Analytical Results for Reconnaissance Groundwater Samples – EDB, EDC, MTBE, and Naphthalene*

Table 9 *Laboratory Analytical Results for Reconnaissance Groundwater Samples – Lead*

Table 10 *Laboratory Analytical Results for Reconnaissance Groundwater Samples – cPAHs*

Table 11 *Laboratory Analytical Results for Reconnaissance Groundwater Samples – PCBs*

Table 12 *Laboratory Analytical Results for Reconnaissance Groundwater Samples – HVOCs*

Table 13 *Groundwater Elevations*

Table 14 *Laboratory Analytical Results for Groundwater Samples – TPH and BTEX*

Table 15 *Laboratory Analytical Results for Groundwater Samples – EDB, EDC, MTBE, and Naphthalene*

Table 16 *Laboratory Analytical Results for Groundwater Samples – Lead*

Table 17 *Laboratory Analytical Results for Groundwater Samples – cPAHs*

Table 18 *Laboratory Analytical Results for Groundwater Samples – HVOCs*

APPENDICES

Appendix A Laboratory Analytical Reports

1.0 INTRODUCTION

Farallon Consulting, L.L.C. (Farallon) has prepared this report on behalf of Endolyne Apartments, LLC (Endolyne) for the property at 9212 45th Avenue Southwest in Seattle, Washington (herein referred to as the Site) (Figure 1). This report summarizes the results of groundwater monitoring activities conducted in 2018 prior to remedial action activities, remedial action activities conducted in 2018, and compliance groundwater monitoring conducted in 2018 through 2020 following the remedial action activities.

1.1 PURPOSE

The purpose of the work summarized herein was to establish baseline groundwater conditions at the Site prior to remedial action activities, to conduct remedial action activities to decrease concentrations of constituents of concern (COCs) identified in soil and groundwater at the Site during previous investigations to concentrations less than Washington State Model Toxics Control Act Cleanup Regulation (MTCA) cleanup levels, and to conduct confirmation groundwater monitoring following remedial activities.

1.2 ORGANIZATION

This report has been organized into the following sections:

- **Section 2**, **Background**, provides a description of the Site and its history, and a brief summary of previous environmental investigations.
- **Section 3**, **Remedial Action Activities**, presents a summary of remedial action in-situ chemical injection activities conducted at the Site in July and August 2018 and groundwater treatment with chemical oxidant filter socks conducted at the Site in August 2019 through February 2020.
- **Section 4**, **Groundwater Sampling Field Methods**, provides a description of the field methods used for groundwater sampling activities conducted at the Site in July 2018 through December 2020.

- **Section 5, Groundwater Sampling Results**, presents the results of groundwater sampling conducted at the Site in July 2018 through December 2020.
- **Section 6, Conclusions**, presents Farallon's conclusions and opinions regarding remedial action activities and groundwater sampling conducted at the Site in 2018 through 2020.
- **Section 7**, **References**, presents a list of documents cited in this report.
- **Section 8**, **Limitations**, presents Farallon's standard limitations for this report.

2.0 BACKGROUND

This section provides a description of the Site and its history, and a summary of previous environmental investigations. The geographical location of the Site is depicted on Figure 1 and Site features are depicted on Figure 2.

2.1 SITE DESCRIPTION

The Site consists of King County Parcel No. 234670-0000at 9212 45th Avenue Southwest in Seattle, King County, Washington. Latitude and longitude coordinates for the approximate center of the 0.22-acre Site are 47º 31.262' north and 122º 23.399' west. The Site lies in Section 35 of Township 24 North, Range 3 East of the Willamette Meridian. City of Seattle land-use zoning for the Site is NC1-30, which is neighborhood commercial for small shopping and convenience retail services for residential neighborhoods. The Site is identified in the Washington State Department of Ecology (Ecology) Integrated Site Information System as "45th Ave SW Apartments" and "Endolyne Garden Apartments," and is listed under the following Ecology identification numbers: Voluntary Cleanup Program No. NW2809, Cleanup Site No. 10264, and Facility No. 71883959. Site features are depicted on Figure 2. The Site is currently occupied by Endolyne Garden Apartments and Wildwood Market, a grocery market and restaurant.

2.2 SITE HISTORICAL USE

According to the letter regarding Limited Subsurface Investigation – Summary of Results, Endolyne Garden Apartments, 9212 45th Avenue Southwest, Seattle, Washington dated May 1, 2015, prepared for the Site by Farallon (2015) (2015 Limited Subsurface Investigation Report), a gas station and automotive repair shop reportedly operated at the Site from prior to 1940 until 1989, when the Site was redeveloped with the current apartment building, grocery market, and restaurant. During redevelopment activities in the late 1980s, six underground storage tanks (USTs) formerly used to store oil and gasoline were decommissioned by removal, as discussed in more detail below.

2.3 PREVIOUS ENVIRONMENTAL INVESTIGATIONS

Results from work previously conducted at the Site by Farallon and others are summarized in the following documents:

- Letter regarding Removal of Underground Storage Tanks, 14-Unit Apartment Building, 9212 45th Avenue S.W., Permit No. 645073, Seattle, Washington dated September 5, 1989, from Marc McGinnis of Geotech Consultants, Inc. (1989a) to Faith Lumsden of City of Seattle Department of Construction and Land Use (1989 UST Removal Report);
- Letter regarding Closure Report, Underground Storage Tanks, 14-Unit Apartment Building, 9212 45th Avenue, Seattle, Washington dated December 5, 1989, from Marc McGinnis and Don Spencer of Geotech Consultants, Inc. (1989b) to Fauntleroy Associates (1989 UST Closure Report);
- *Phase I Environmental Site Assessment, Endolyne Garden, 9212 and 9214 45th Avenue Southwest, King County Parcel No. 234670-0000, Seattle, King County, Washington* dated December 9, 2013, prepared by Terracon Consultants, Inc. (2013) for Intervest (2013 Phase I ESA);
- Letter regarding Limited Subsurface Investigation—Summary of Results, Endolyne Garden Apartments, 9212 45th Avenue Southwest, Seattle, Washington dated June 6, 2016, from Eric Buer and Thaddeus Cline of Farallon (2016) to Endolyne Apartments, LLC c/o Steve Lazoff, Plus One Capital, LLC (2016 Limited Subsurface Investigation Report)
- *Monitoring Well Installation and Sampling Report, Endolyne Garden Apartment, 9212 45th Avenue Southwest, Seattle, Washington* dated June 21, 2021, prepared by Farallon (2021) for Endolyne Apartments, LLC (Monitoring Well Installation and Sampling Report).

2.3.1 UST Closure and Sampling – 1989

According to the 1989 UST Closure Report, six USTs were removed from the Site in 1989, as summarized in the table below. The approximate locations of the former USTs are shown on Figure 2.

Former Underground Storage Tanks				
Identification	**Previous Contents**	**Date of Removal**	**Estimated Capacity (gallons)**	**Estimated Bottom Depth (feet)**
UST 1	Heating Oil	7/17/1989	150	6
UST 2	Heating Oil	7/17/1989	330	6
UST 3	Gasoline	7/19/1989	5,000	12
UST 4	Gasoline	7/19/1989	5,000	12
UST 5	Gasoline	8/18/1989	1,000	8
UST 6	Gasoline	8/18/1989	1,000	8

According to the 1989 UST Removal Report, following removal of the two former oil USTs in the central portion of the Site, UST 1 and UST 2, soil samples were collected from the bottom and one sidewall of each excavation for laboratory analysis of total petroleum hydrocarbons (TPH). TPH was detected in soil samples collected from the excavations at concentrations ranging from 94 to 1,150 milligrams per kilogram (mg/kg), which do not exceed the current MTCA Method A cleanup level for TPH as oil-range organics (ORO) in soil of 2,000 mg/kg. At the time of the 1989 UST Removal Report, the applicable cleanup level for TPH in soil was 200 mg/kg. ORO was detected at a concentration of 1,150 mg/kg in the soil sample collected from the bottom of the westernmost former oil UST removed from the central portion of the Site, which exceeded the former cleanup level of 200 mg/kg. Based on the exceedance, approximately 5 cubic yards of petroleum-impacted soil was removed from the westernmost former oil UST excavation area. Following removal of petroleum-impacted soil, a soil sample was collected from the bottom of the excavation for laboratory analysis of TPH. TPH was not detected at a concentration exceeding the laboratory practical quantitation limit of 5 mg/kg in the soil sample collected from the bottom of the excavation following removal of impacted soil.

According to the 1989 UST Removal Report, following removal of the two former gasoline USTs, UST 3 and UST 4, from the western portion of the Site, soil samples were collected from soil

between the two former USTs, from the eastern sidewall of the excavation, and from stockpiled soil for laboratory analysis of benzene, toluene, ethylbenzene, and xylenes (BTEX). BTEX constituents were not detected at concentrations exceeding cleanup levels in effect at the time of the 1989 UST Removal Report or the current MTCA Method A cleanup levels in the soil samples collected from between the two former USTs, from the eastern sidewall of the excavation, or from stockpiled soil.

According to the 1989 UST Removal Report, following removal of the two former gasoline USTs, UST 5 and UST 6, from the southern portion of the Site, one soil sample was collected from beneath each former UST for laboratory analysis of BTEX. BTEX constituents were not detected at concentrations exceeding cleanup levels in effect at the time of the 1989 UST Removal Report or the current MTCA Method A cleanup levels in the soil samples collected from beneath the former gasoline USTs 5 and 6 in the southern portion of the Site.

According to the 1989 UST Closure Report, the analytical data from soil samples collected following removal of the former USTs at the Site suggests that concentrations of TPH and BTEX did not exceed applicable cleanup levels in soil in the vicinity of the former USTs following removal activities. Although analytical results presented in the 1989 UST Removal Report and the 1989 UST Closure Report indicate that TPH and BTEX were not detected at concentrations exceeding MTCA Method A cleanup levels in confirmation soil samples collected following UST removal activities conducted in 1989, the site assessment activities were not consistent with the current guidelines provided in Ecology's *Site Assessment Guidance for Underground Storage Tank Systems* dated January 2021. The 2013 Phase I ESA identified the potential release of hazardous substances to the Site from former UST operations as a recognized environmental condition in connection with the Site based on the UST site assessment activities conducted in 1989 not being in conformance with Ecology's current guidance.

2.3.2 Limited Subsurface Investigation – 2015

Farallon conducted a limited subsurface investigation at the Site in January 2015 to investigate soil and groundwater conditions at the Site on behalf of Endolyne Apartments, LLC as documented in the 2015 Limited Subsurface Investigation Report. The limited subsurface investigation included advancement of nine direct-push borings for collection of soil and reconnaissance

groundwater samples and advancement of two hand-auger borings in areas that the drilling rig could not access. The approximate location of borings B1 through B11 are shown on Figure 2.

Soil samples were collected from the 11 borings advanced at the Site in 2015 at depths between 2.5 and 15.5 feet below ground surface (bgs) and analyzed for a range of constituents that could be present from former UST operations. According to soil analytical results presented in the 2015 Limited Subsurface Investigation Report, TPH as gasoline-range organics (GRO) was detected at a concentration of 63 mg/kg, which exceeds the MTCA Method A cleanup level of 30 mg/kg when benzene is present, in the soil sample collected from boring B3 at a depth of 11.5 feet bgs. Boring B3 was advanced proximate to former USTs 3 and 4 in the western portion of the Site. GRO was not detected at a concentration exceeding the MTCA Method A cleanup level in the soil sample collected from boring B3 at a depth of 15.5 feet bgs. No other analytes were detected at concentrations exceeding MTCA Method A cleanup levels in any of the other 19 soil samples collected from the 11 borings advanced at the Site in January 2015. A summary of the analytical results of soil samples collected at the Site in January 2015 is provided in Tables 1 through 6.

Groundwater was encountered at the Site at depths ranging from approximately 6 to 12 feet bgs during the 2015 limited subsurface investigation. Reconnaissance groundwater samples were collected from borings B2, B3, B4, and B6. GRO was detected at concentrations exceeding the MTCA Method A cleanup level of 800 micrograms per liter (µg/l) in reconnaissance groundwater samples collected from borings B3 and B4. GRO was detected at a concentration of 15,000 µg/l in the reconnaissance groundwater sample collected from boring B3 and at a concentration of 1,900 µg/l in the reconnaissance groundwater sample collected from boring B4. Benzene was detected at concentrations exceeding the MTCA Method A cleanup level of 5 µg/l in the reconnaissance groundwater samples collected from borings B3 and B4. Benzene was detected at a concentration of 18 µg/l in the reconnaissance groundwater sample collected from boring B3 and at a concentration of 5.9 µg/l in the reconnaissance groundwater sample collected from boring B4. Total lead was detected at a concentration of 1,300 µg/l in the reconnaissance groundwater sample collected from boring B4, which exceeds the MTCA Method A cleanup level of 15 µg/l. There was insufficient reconnaissance groundwater sample volume collected from boring B4 to analyze for dissolved lead to enable evaluation of whether the measured total lead concentration was

attributable to dissolved lead or influenced by suspended soil particles in the sample. Lead was not detected at concentrations exceeding the MTCA Method A cleanup level in any of the soil samples collected during the limited subsurface investigation conducted in 2015. A summary of the analytical results of reconnaissance groundwater samples collected at the Site in January 2015 is provided in Tables 7 through 12.

2.3.3 Additional Limited Subsurface Investigation - 2016

An additional subsurface investigation was conducted at the Site by Farallon in March 2016 and is documented in the 2016 Limited Subsurface Investigation Report. The March 2016 subsurface investigation included installation of groundwater monitoring wells FMW-1, FMW-2, and FMW-3. The monitoring well locations are shown on Figure 2. FMW-1 was installed northeast-adjacent to the former location of USTs 3 and 4. FMW-2 was installed in the northern portion of the Site in the presumed down-gradient groundwater flow direction from the former USTs. FMW-3 was installed north-adjacent to the former location of USTs 1 and 2. The location of monitoring wells FMW-1 through FMW-3 are shown on Figure 2.

Two soil samples were collected from the boring for installation of monitoring well FMW-1 at depths of 4.5 and 8.5 feet bgs for analysis of GRO and BTEX. GRO and BTEX were not detected at concentrations exceeding MTCA Method A cleanup levels in the boring for installation of monitoring well FMW-1, suggesting that the GRO impact previously identified in soil in boring B3 was restricted to the western portion of the Site. Two soil samples were also collected from the borings for installation of monitoring wells FMW-2 and FMW-3 for analysis of TPH as diesel-range organics (DRO), ORO, GRO, and BTEX, none of which were detected at concentrations exceeding MTCA Method A cleanup levels. A summary of the analytical results of soil samples collected at the Site in March 2016 is provided in Table 1.

Groundwater elevations measured in monitoring wells FMW-1 through FMW-3 in March 2016 are provided in Table 13. The groundwater flow direction at the Site in March 2016 was determined to be to the north-northeast.

Groundwater samples were collected from monitoring wells FMW-1 through FMW-3 in March 2016 for laboratory analysis of DRO, ORO, GRO, BTEX, 1,2-dibromoethane, 1,2-dichloroethane,

methyl tertiary butyl ether, naphthalene, carcinogenic polycyclic aromatic hydrocarbons, halogenated volatile organic compounds, total lead, and dissolved lead. No analytes were detected at concentrations exceeding MTCA Method A cleanup levels in any of the groundwater samples collected from monitoring wells FMW-1 through FMW-3 in March 2016 with the exception of total lead. Total lead was detected at a concentration of 23 µg/l in the groundwater sample collected from monitoring well FMW-1, which exceeds the MTCA Method A cleanup level of 15 ug/l. Dissolved lead was detected at a concentration of 1.4 µg/l in the groundwater sample collected from monitoring well FMW-1, suggesting that the concentration of total lead is likely being influenced by suspended soil particles in groundwater. A summary of the analytical results of groundwater samples collected at the Site in March 2016 is provided in Tables 14 through 18.

2.3.4 Monitoring Well Installation and Sampling – 2016 through 2018

In August 2016 through April 2018, monitoring wells FMW-4 through FMW-7 were installed at the Site, as documented in the Monitoring Well Installation and Sampling Report. The locations of monitoring wells FMW-4 through FMW-7 are shown on Figure 2.

Three soil samples were collected from the boring for installation of monitoring well FMW-4 at depths of 5, 10, and 15 feet bgs for analysis of GRO and BTEX. The soil sample collected from the boring for installation of monitoring well FMW-4 at a depth of 10 feet bgs was also analyzed for lead. Two soil samples were collected from the boring for installation of monitoring well FMW-5 at depths of 11.5 and 14 feet bgs for analysis of GRO and BTEX. The soil sample collected from the boring for installation of FMW-5 at a depth of 11.5 feet bgs was also analyzed for lead. One soil sample was collected from the boring for installation of monitoring well FMW-6 at a depth of 13 feet bgs for analysis of GRO and BTEX. One soil sample was collected from the boring for installation of monitoring well FMW-7 at a depth of 9 feet bgs for analysis of GRO, BTEX, and lead.

GRO and benzene were detected at concentrations exceeding MTCA Method A cleanup levels in the soil samples collected from the boring for installation of monitoring well FMW-5 at a depth of 11.5 feet bgs, and from the boring for installation of monitoring well FMW-6 at a depth of 13 feet bgs. GRO was detected at a concentration of 130 mg/kg in the soil sample collected from the boring for installation of monitoring well FMW-5 at a depth of 11.5 feet bgs and at a concentration

of 93 mg/kg in the soil sample collected from the boring for installation of monitoring well FMW-6 at a depth of 13 feet bgs, which exceed the MTCA Method A cleanup level of 30 mg/kg. Benzene was detected at a concentration of 0.043 mg/kg in the soil sample collected from the boring for installation of monitoring well FMW-5 at a depth of 11.5 feet bgs and at a concentration of 0.036 in the soil sample collected from boring FMW-6 at a depth of 13 feet bgs, which exceed the MTCA Method A cleanup level of 0.03 mg/kg. Lead was not detected at concentrations exceeding the MTCA Method A cleanup level in any of the soil samples collected during installation of monitoring wells FMW-4 through FMW-7.

Multiple groundwater sampling events were conducted at the Site in August 2016 through April 2018. Groundwater elevations measured at the Site in August 2016 through April 2018 are provided in Table 13. According to groundwater elevations measured at the Site, the groundwater flow direction during groundwater sampling events in August 2016 through April 2018 was to the northwest.

The analytical results of groundwater sampling conducted at the Site in August 2016 through April 2018 indicate that GRO was present at a concentration exceeding the MTCA Method A cleanup level in the groundwater sample collected from monitoring well FMW-5 in October 2017 (Table 14). GRO was not detected at concentrations exceeding the MTCA Method A cleanup levels in groundwater samples collected from monitoring wells FMW-1 through FMW-4, FMW-6, and FMW-7 during groundwater sampling events conducted in August 2016 through April 2018.

BTEX constituents were not detected at concentrations exceeding the MTCA Method A cleanup levels in groundwater samples collected from monitoring wells FMW-1 through FMW-7 during groundwater sampling events conducted in August 2016 through April 2018.

Total lead was detected at concentrations exceeding the MTCA Method A cleanup level in groundwater samples collected from monitoring well FMW-1 in August and November 2016, February 2017, and May 2017; from monitoring well FMW-2 in February 2017; and from monitoring well FMW-3 in May 2017 (Table 16). Dissolved lead was not detected at a concentration exceeding the MTCA cleanup level in any of the groundwater samples collected from monitoring wells FMW-1 through FMW-7 in August 2016 through April 2018.

The detections of total lead in groundwater samples collected from Site monitoring wells is likely related to suspended sediment in the groundwater samples. Monitoring wells FMW-1, FMW-2, and FMW-3 are all 1-inch-diameter wells. Those wells may not have been developed as completely as other Site wells, since disposable pumps are used to develop the other monitoring wells at the Site, each of which is 2 inches in diameter, and the pumps would not fit in the wells. Turbidity is known to be higher in monitoring wells FMW-1 through FMW-3. Lead was not detected at concentrations exceeding the MTCA Method A cleanup level in any soil samples collected at the Site during previous environmental investigations conducted at the Site. Additionally, based on the analytical results of soil and groundwater samples collected during previous environmental investigations, Site contaminants GRO and benzene have been identified in soil and groundwater in the west-central portion of the Site, not in the vicinity of monitoring wells FMW-1 through FMW-3. If leaded gasoline were the source of the lead detected in groundwater samples from monitoring wells FMW-1 through FMW-3, elevated GRO and benzene concentrations would be expected to be co-located with the lead. Similarly, elevated lead concentrations would be expected to be detected in groundwater samples with elevated GRO or benzene concentrations (e.g., FMW-5).

2.3.5 Remedial Actions – 2018 through 2020

Remedial actions, including in-situ chemical injections and groundwater treatment with chemical oxidant filter socks, were conducted at the Site in July 2018 through February 2020, as discussed in Section 3 of this report.

2.3.6 Groundwater Monitoring and Sampling – 2018 through 2020

Groundwater monitoring and sampling was conducted at the Site in July 2018 through December 2020, as discussed in Sections 4 and 5 of this report.

3.0 REMEDIAL ACTION ACTIVITIES

The analytical results of previous environmental investigations conducted at the Site, discussed in Section 2.3, Previous Environmental Investigations, indicated the presence of GRO and benzene at concentrations exceeding MTCA Method A cleanup levels in soil in the west-central portion of the Site at depths ranging between 11.5 and 13 feet bgs. The lateral extent of GRO and benzene impacts to soil appears to be limited. No other contaminants typically associated with releases from gasoline or heating oil USTs were detected at concentrations exceeding MTCA cleanup levels in soil at the Site.

Analytical results of groundwater sampling events conducted at Site monitoring wells discussed in this and previous environmental reports for the Site indicated the presence of GRO at concentrations exceeding the MTCA Method A cleanup level in one monitoring well in the west-central portion of the Site. The location of the Site building and multiple underground utilities present in the west-central portion of the Site made excavation of potentially impacted soil at depths of 11.5 and 13 feet bgs impracticable. Based on the building and utility location constraints, chemical injection and in-well chemical oxidant filter sock treatment were selected as remedial actions at the Site. The locations of underground utilities and the Site building are shown on Figure 2.

This section presents a summary of remedial action chemical injection activities conducted at the Site in July and August 2018 and chemical oxidant filter sock groundwater treatment conducted at the Site in August 2019 through February 2020.

3.1 CHEMICAL INJECTION ACTIVITIES

Between July 25 and 27, 2018, direct-push borings were installed at the Site for in-situ injection of RegenOx, a chemical oxidant. Between August 8 and 10, 2018, direct-push borings were installed at the Site for injection of RegenOx and Oxygen Release Compound (ORC) Advanced, a proprietary formulation of the food-grade calcium oxy-hydroxide that produces a controlled release of molecular oxygen for up to 12 months after hydration. The RegenOx and ORC were provided by Regenesis of San Clemente, California. The chemical injection activities were conducted in accordance with the letter regarding Registration with the Underground Injection

Control (UIC) Program, Endolyne Apartments, 9212 45th Avenue SW, Seattle, WA dated July 2, 2018, from Mary Shaleen-Hansen of Ecology to Steve Lazoff, Plus One Capital (Ecology 2018).

RegenOx and ORC are designed to promote oxidizing conditions to enhance the aerobic degradation of contaminants in the subsurface. The boring installation and injection activities were conducted by Cascade Environmental of Bothell, Washington. The injection points were placed in the west-central portion of the Site where previous investigations identified GRO and benzene at concentrations exceeding MTCA cleanup levels in soil and groundwater. The injection area included a portion of the west-adjacent right-of-way for 45th Avenue Southwest. Nine injection points were installed in the July 2018 injection event and eight injection points were installed in the August 2018 injection event. The approximate locations of the injection points and the treatment area are shown on Figure 2. The injection locations were spaced in the treatment area as evenly as possible considering Site conditions, such as underground utilities.

The RegenOx and ORC products were mixed by Cascade Environmental in plastic totes in a mobile trailer. The mixed products were then pumped and injected into each direct-push boring location at an average flow rate of approximately 3 gallons per minute and an average pressure of approximately 40 pound per square inch. RegenOx and ORC were injected into the subsurface at an average depth of between 7 and 13 feet bgs at each injection point, which includes depths where GRO and benzene had previously been identified at concentrations exceeding MTCA cleanup levels in soil in the west-central portion of the Site.

Approximately 60 pounds of RegenOx was applied at each injection point in July 2018. Approximately 60 pounds of RegenOx and 20 pounds of ORC were applied at each injection point in August 2018. Some surface daylighting of RegenOx and ORC occurred at about half of the injection points. Significant amounts of material were not lost due to daylighting and the material was immediately cleaned up using a shop vacuum and water by Cascade Environmental. The daylighted material was placed in steel drums and transported off the Site for disposal by Cascade Environmental. Following completion of the injections, each injection point was backfilled with bentonite, and the surface was sealed with asphalt or concrete.

3.2 CHEMICAL OXIDANT FILTER SOCK GROUNDWATER TREATMENT

The analytical results of post-injection groundwater sampling events conducted at the Site, as discussed in Section 5.0, Groundwater Sampling Results, indicated that GRO was detected at concentrations exceeding the MTCA Method A cleanup level in groundwater samples collected from monitoring well FMW-5 approximately 10 months following the final round of chemical injections. In an effort to continue reducing the concentrations of GRO in groundwater in the vicinity of monitoring well FMW-5, chemical oxidant filter socks were placed in monitoring wells FMW-4 and FMW-5 for in-well groundwater treatment. The chemical oxidant filter socks contained ORC Advanced from Regenox designed to enhance aerobic biodegradation of petroleum hydrocarbons in groundwater. The filter socks were 12 inches long with a 2-inch diameter. Two filter socks were placed in each well in the upper 2 feet of the water column. The filter socks were placed in monitoring wells FMW-4 and FMW-5 on August 16, 2019 and left in-place until they were removed on February 25, 2020. Groundwater sampling was conducted at Site monitoring wells quarterly following removal of the filter socks through December 2020, as discussed below.

4.0 GROUNDWATER SAMPLING FIELD METHODS

This section describes the groundwater monitoring and sampling activities conducted at the Site from July 2018 through December 2020. The results of groundwater sampling activities conducted at the Site are discussed in Section 5.0, Groundwater Sampling Results.

4.1 GROUNDWATER MONITORING AND SAMPLING

Multiple groundwater sampling events were conducted at the Site in July 2018 through December 2020 at monitoring wells FMW-1 through FMW-7, or a subset of those wells. Monitoring well locations are shown on Figure 2. The general field methods for measurement of groundwater elevation and collection of groundwater samples are described below.

4.1.1 Groundwater Elevation

The depth to groundwater in each monitoring well was measured using an electronic water-level indicator prior to sampling. The monitoring wells were opened, and the water levels were allowed to equilibrate for approximately 30 minutes before measurement. The groundwater level was measured to the surveyed reference point on the top of the well casing to derive the groundwater elevation at each monitoring well. Depth to groundwater measurements in the Site monitoring wells were completed in approximately 30 minutes.

4.1.2 Groundwater Sample Collection

Before the monitoring wells were purged, the intake for the dedicated polyethylene tubing was placed approximately 1.5 to 2 feet below the depth to water in each monitoring well. Groundwater was purged from each well using a peristaltic pump at a flow rate of approximately 100 milliliters per minute. The flow rate was kept at no greater than approximately 100 milliliters per minute during sampling since significant drawdown occurs in Site monitoring wells while purging.

Field measurements for pH, temperature, specific conductivity, dissolved oxygen, turbidity, and oxidation-reduction potential were collected during purging of groundwater using a water-quality analyzer equipped with a flow-through cell. Groundwater samples were collected after the pH, temperature, and specific conductivity parameters stabilized. Stabilization for pH is determined as a change of plus or minus 0.1 pH unit between readings for three consecutive measurements, and

for temperature and specific conductivity as a relative percent difference of less than 3 percent between readings for three consecutive measurements. In some cases, it was not possible to achieve stabilization prior to sampling due to significant water level drawdown during purging. In these instances, the monitoring well was purged dry, allowed to recharge, and sampled immediately following recharge if sufficient recharge occurred.

Groundwater samples were collected from each well by discharging groundwater directly from the dedicated polyethylene tubing outlet into laboratory-prepared sample containers. The samples were labeled, placed on ice, and transported under chain-of-custody protocols to OnSite Environmental Inc. of Bothell, Washington.

4.1.3 Groundwater Analytical Methods

Groundwater samples collected from Site monitoring wells in July 2018 through December 2020 were submitted for laboratory analysis for GRO by Northwest Method NWTPH-GX and for BTEX by U.S. Environmental Protection Agency Method 8021B. A subset of groundwater samples collected in July 2018 were submitted for laboratory analysis of total and dissolved lead by U.S. Environmental Protection Agency Method 6010C or 6010D. Groundwater samples submitted for laboratory analysis of dissolved lead were filtered in the field using a 0.45 micrometer membrane filter prior to filling sample containers.

5.0 GROUNDWATER SAMPLING RESULTS

The following sections present the results from groundwater sampling activities conducted at the Site between July 2018 and December 2020. A summary of groundwater elevation measurements is provided in Table 13. A summary of groundwater analytical results for groundwater sampling conducted between July 2018 and December 2020, and previous groundwater sampling events, is provided in Tables 14 through 18. Laboratory analytical reports for groundwater sampling activities conducted between July 2018 and December 2020 are provided in Appendix A.

5.1.1 July 2018 Groundwater Sampling Results

Groundwater sampling was conducted at the Site on July 23, 2018, prior to remedial action chemical injection activities. Groundwater elevation measurements were collected from monitoring wells FMW-1 through FMW-7 prior to sampling. The groundwater elevations measured in July 2018 ranged from 77.63 feet above mean sea level in monitoring well FMW-2 to 84.07 feet above mean sea level in monitoring well FMW-1. Based on these groundwater elevation measurements, the groundwater flow direction at the Site was generally to the northwest in July 2018.

Groundwater samples were collected from monitoring wells FMW-1 and FMW-3 through FMW-6 in July 2018 for analysis of GRO and BTEX. Groundwater samples collected from monitoring wells FMW-1 and FMW-3 were also analyzed for total and dissolved lead. GRO was detected at a concentration of 1,100 µg/l in the groundwater sample collected from monitoring well FMW-5 in July 2018, which exceeds the MTCA Method A cleanup level of 800 µg/l. No other analytes were detected at concentrations exceeding MTCA cleanup levels in groundwater samples collected in July 2018.

There was not enough water in monitoring wells FMW-2 and FMW-7 to collect samples during the July 2018 monitoring event.

5.1.2 September 2018 Groundwater Sampling Results

Groundwater sampling was conducted at the Site on September 4, 2018, following the final round of remedial action chemical injection activities. Groundwater elevation measurements were collected from monitoring wells FMW-1 through FMW-7 prior to sampling. The groundwater

elevations measured in September 2018 ranged from 76.96 feet above mean sea level in monitoring well FMW-2 to 83.65 feet above mean sea level in monitoring well FMW-1. Based on these groundwater elevation measurements, the groundwater flow direction at the Site was generally to the northwest in September 2018.

Groundwater samples were collected from monitoring wells in the vicinity of the chemical injection area, which included monitoring wells FMW-1, FMW-4, FMW-5, and FMW-6, for analysis of GRO and BTEX. Monitoring well FMW-7 is also in the vicinity of the chemical injection area, but there was not enough water in monitoring well FMW-7 to sample in September 2018. GRO was detected at a concentration of 1,200 µg/l in the groundwater sample collected from monitoring well FMW-5 in September 2018, which exceeds the MTCA Method A cleanup level of 800 µg/l. No other analytes were detected at concentrations exceeding MTCA cleanup levels in groundwater samples collected in September 2018.

5.1.3 December 2018 Groundwater Sampling Results

Groundwater sampling was conducted at the Site on December 11, 2018. Groundwater elevation measurements were collected from monitoring wells FMW-1 through FMW-7 prior to sampling. The groundwater elevations measured in December 2018 ranged from 78.88 feet above mean sea level in monitoring well FMW-6 to 84.51 feet above mean sea level in monitoring well FMW-1. Based on these groundwater elevation measurements, the groundwater flow direction at the Site was generally to the northwest in December 2018.

Groundwater samples were collected from monitoring wells FMW-1 through FMW-7 for analysis of GRO and BTEX in December 2018. GRO was detected at a concentration of 1,500 µg/l in the groundwater sample collected from monitoring well FMW-5 in December 2018, which exceeds the MTCA Method A cleanup level of 800 µg/l. No other analytes were detected at concentrations exceeding MTCA cleanup levels in groundwater samples collected in in December 2018.

5.1.4 March 2019 Groundwater Sampling Results

Groundwater sampling was conducted at the Site on March 29, 2019. Groundwater elevation measurements were collected from monitoring wells FMW-1 through FMW-7 prior to sampling. The groundwater elevations measured in March 2019 ranged from 79.07 feet above mean sea level

in monitoring well FMW-6 to 84.79 feet above mean sea level in monitoring well FMW-1. Based on these groundwater elevation measurements, the groundwater flow direction at the Site was generally to the northwest in March 2019.

Groundwater samples were collected from monitoring wells FMW-1 through FMW-7 for analysis of GRO and BTEX in March 2019. GRO was detected at a concentration of 1,100 µg/l in the groundwater sample collected from monitoring well FMW-5 in March 2019, which exceeds the MTCA Method A cleanup level of 800 µg/l. No other analytes were detected at concentrations exceeding MTCA cleanup levels in groundwater samples collected in March 2019.

5.1.5 June 2019 Groundwater Sampling Results

Groundwater sampling was conducted at the Site on June 18, 2019. Groundwater elevation measurements were collected from monitoring wells FMW-1 through FMW-7 prior to sampling. The groundwater elevations measured in June 2019 ranged from 78.31 feet above mean sea level in monitoring well FMW-2 to 84.42 feet above mean sea level in monitoring well FMW-1. Based on these groundwater elevation measurements, the groundwater flow direction at the Site was generally to the northwest in June 2019.

Groundwater samples were collected from monitoring wells in the vicinity of the chemical injection area, which included monitoring wells FMW-5 through FMW-7 for analysis of GRO and BTEX in June 2019. GRO was detected at a concentration of 890 µg/l in the groundwater sample collected from monitoring well FMW-5 in June 2019, which slightly exceeds the MTCA Method A cleanup level of 800 µg/l. No other analytes were detected at concentrations exceeding MTCA cleanup levels in groundwater samples collected in June 2019.

Since GRO slightly exceeded the MTCA Method A cleanup level in groundwater in monitoring well FMW-5 in June 2019, approximately 11 months following the final round of chemical injection activities, chemical oxidant socks were placed in monitoring wells FMW-4 and FMW-5 in August 2019 in an effort to continue the aerobic biodegradation of GRO in groundwater in the vicinity of FMW-5, as discussed in Section 3.2, Chemical Oxidant Filter Sock Groundwater Treatment. The chemical oxidant filter socks were removed from monitoring wells FMW-4 and FMW-5 in February 2020.

5.1.6 March 2020 Groundwater Sampling Results

Groundwater sampling was conducted at the Site on March 25, 2020, following removal of the chemical oxidant filter socks in February 2020. Groundwater elevation measurements were collected from monitoring wells FMW-1 through FMW-7 prior to sampling. The groundwater elevations measured in March 2020 ranged from 79.18 feet above mean sea level in monitoring well FMW-6 to 85.17 feet above mean sea level in monitoring well FMW-1. Figure 3 depicts groundwater elevation contours as measured on March 25, 2020. Based on these groundwater elevation measurements, the groundwater flow direction at the Site was generally to the northwest in March 2020.

Groundwater samples were collected from monitoring wells FMW-5, FMW-6, and FMW-7 for analysis of GRO and BTEX. GRO was detected at a concentration of 530 µg/l in the groundwater sample collected from monitoring well FMW-5 in March 2020, which does not exceed the MTCA Method A cleanup level of 800 µg/l. No other analytes were detected at concentrations exceeding MTCA cleanup levels in groundwater samples collected in March 2020.

5.1.7 June 2020 Groundwater Sampling Results

Groundwater sampling was conducted at the Site on June 22, 2020. Groundwater elevation measurements were collected from monitoring wells FMW-1 through FMW-7 prior to sampling. The groundwater elevations measured in June 2020 ranged from 79.04 feet above mean sea level in monitoring well FMW-6 to 84.85 feet above mean sea level in monitoring well FMW-1. Figure 4 depicts groundwater elevation contours as measured on June 22, 2020. Based on these groundwater elevation measurements, the groundwater flow direction at the Site was generally to the northwest in June 2020.

Groundwater samples were collected from monitoring wells FMW-1 through FMW-7 for analysis of GRO and BTEX. GRO was detected at a concentration of 750 µg/l in the groundwater sample collected from monitoring well FMW-5 in June 2020, which does not exceed the MTCA Method A cleanup level of 800 µg/l. No other analytes were detected at concentrations exceeding MTCA cleanup levels in groundwater samples collected in June 2020.

5.1.8 September 2020 Groundwater Sampling Results

Groundwater sampling was conducted at the Site on September 30, 2020. Groundwater elevation measurements were collected from monitoring wells FMW-1 through FMW-7 prior to sampling. The groundwater elevations measured in September 2020 ranged from 78.58 feet above mean sea level in monitoring well FMW-6 to 84.23 feet above mean sea level in monitoring well FMW-1. Figure 5 depicts groundwater elevation contours as measured on September 30, 2020. Based on these groundwater elevation measurements, the groundwater flow direction at the Site was generally to the northwest in September 2020.

Groundwater samples were collected from monitoring wells FMW-1 through FMW-7 for analysis of GRO and BTEX. GRO was detected at a concentration of 350 µg/l in the groundwater sample collected from monitoring well FMW-5 in September 2020, which does not exceed the MTCA Method A cleanup level of 800 µg/l. No other analytes were detected at concentrations exceeding MTCA cleanup levels in groundwater samples collected in September 2020.

5.1.9 December 2020 Groundwater Sampling Results

Groundwater sampling was conducted at the Site on December 18, 2020. Groundwater elevation measurements were collected from monitoring wells FMW-1 through FMW-7 prior to sampling. The groundwater elevations measured in December 2020 ranged from 79.47 feet above mean sea level in monitoring well FMW-6 to 85.27 feet above mean sea level in monitoring well FMW-1. Figure 6 depicts groundwater elevation contours as measured on December 18, 2020. Based on these groundwater elevation measurements, the groundwater flow direction at the Site was generally to the north-northeast in the northern portion of the Site and to the west-northwest in the western portion of the Site in December 2020.

Groundwater samples were collected from monitoring wells FMW-1 through FMW-7 for analysis of GRO and BTEX. GRO was detected at a concentration of 540 µg/l in the groundwater sample collected from monitoring well FMW-5 in December 2020, which does not exceed the MTCA Method A cleanup level of 800 µg/l. No other analytes were detected at concentrations exceeding MTC cleanup levels in groundwater samples collected in December 2020.

6.0 CONCLUSIONS

According to previous environmental investigations conducted at the Site, six USTs historically operated in the central and southern portions of the Site. The USTs were used to store gasoline and heating oil and were removed from the Site in 1989. Analytical results of soil samples collected during previous environmental investigations conducted at the Site indicated the presence of GRO and benzene in soil in the west-central portion of the Site at depths ranging between 11.5 and 13 feet bgs. The lateral extent of GRO and benzene impacts to soil appears to be limited. No other contaminants typically associated with releases from gasoline or heating oil USTs were detected at concentrations exceeding MTCA cleanup levels in soil at the Site.

Analytical results of groundwater sampling events conducted at Site monitoring wells in March 2016 through July 2018 indicated the presence of GRO at concentrations exceeding the MTCA Method A cleanup level in one monitoring well at the Site, FMW-5, located in the west-central portion of the Site. The location of the Site building and multiple underground utilities present in the west-central portion of the Site made excavation of potentially impacted soil at depths of 11.5 and 13 feet bgs impracticable. Based on the building and utility location constraints, chemical injection and in-well chemical oxidant filter sock treatment were the chosen remedial actions at the Site.

Chemical injection activities were conducted at the Site in July and August 2018. RegenOx and ORC Advanced were injected into direct-push borings installed in the west-central portion of the Site. RegenOx and ORC are designed to promote oxidizing conditions to enhance the aerobic degradation of contaminants in the subsurface. RegenOx and ORC were injected into the subsurface at an average depth of between 7 and 13 feet bgs at each injection point, which includes depths where GRO and benzene had previously been identified at concentrations exceeding MTCA cleanup levels in soil in the west-central portion of the Site.

Chemical oxidant filter socks were placed in select Site monitoring wells in the west-central portion of the Site in August 2019 and removed in February 2020. During groundwater sampling events conducted at the Site in March, June, September, and December 2020, GRO and BTEX were not detected at concentrations exceeding the MTCA Method A cleanup level in FMW-5 or

any other monitoring wells sampled. Based on groundwater analytical data collected for four consecutive quarters at the Site, it appears that remedial action activities conducted at the Site have successfully reduced concentrations of GRO and benzene in groundwater at the Site to below MTCA Method A cleanup levels. Farallon requests a No Further Action determination from Ecology for releases associated with former USTs at the Site.

7.0 REFERENCES

Farallon Consulting, L.L.C. (Farallon). 2015. Letter Regarding Limited Subsurface Investigation – Summary of Results, Endolyne Garden Apartments, 9212 45th Avenue Southwest, Seattle, Washington. From Thaddeus Cline and Clifford T. Schmitt. To Maureen Sanchez, Ecology. May 1.

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———. 1989b. Letter Regarding Closure Report, Underground Storage Tanks, 14-Unit Apartment Building, 9212 45th Avenue Southwest, Seattle, Washington. From Marc R. McGinnis and Don W. Spencer. To Leon Cohen, Fauntleroy Associates c/o General Pacific Constructors, Inc. December 5.

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———. 2021. *Site Assessment Guidance for Underground Storage Tank Systems.* January.

8.0 LIMITATIONS

8.1 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 Endolyne Apartments, LLC, c/o Plus One Capital, LLC and currently accepted industry standards. No other warranties, representations, or certifications are made.

8.2 LIMITATION ON RELIANCE BY THIRD PARTIES

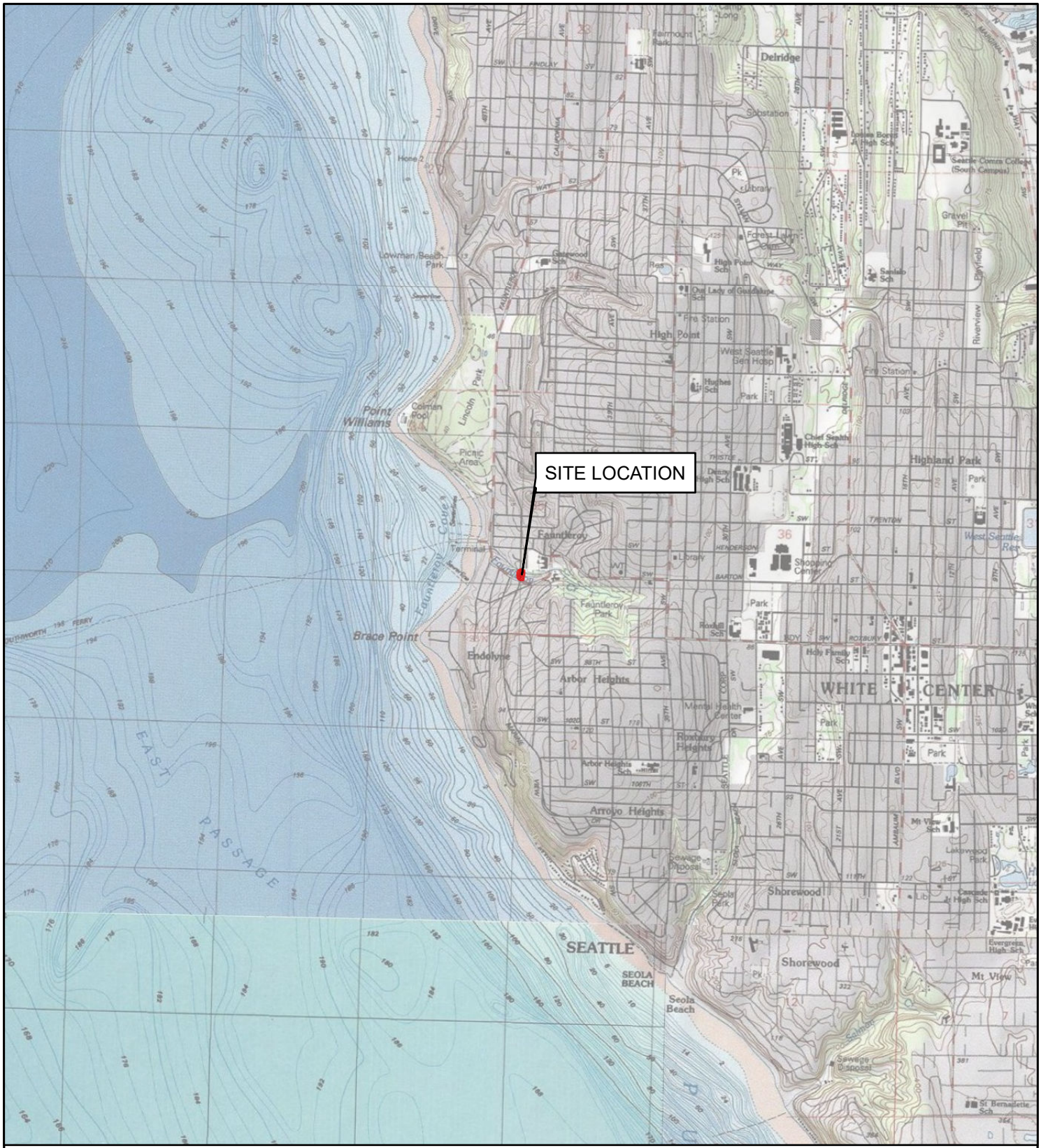
Reliance by third parties is prohibited. This report/assessment has been prepared for the exclusive use of Endolyne Apartments, LLC, c/o Plus One Capital, LLC to address the unique needs of Endolyne Apartments, LLC, c/o Plus One Capital, LLC at the Site at a specific point in time.

This is not a general grant of reliance. No one other than Endolyne Apartments, LLC, c/o Plus One Capital, 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 ACTION REPORT
Endolyne Garden Apartments
9212 45th Avenue Southwest
Seattle, Washington

Farallon PN: 1295-001



REFERENCE: 7.5 MINUTE USGS QUADRANGLE DUWAMISH HEAD, WASHINGTON, DATED 2013

0 3,000
SCALE IN FEET

N

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FIGURE 1

SITE VICINITY MAP
ENDOLYNE GARDEN APARTMENTS
9212 45th AVENUE SOUTHWEST
SEATTLE, WASHINGTON

FARALLON PN: 1295-001

Drawn By: TPerrin | Checked By: LN | Date: 5/4/2021

Disc Reference:
Path: Q:\Projects\1295_Endolyne\Mapfiles\Figure-01_VicinityMap_WA.mxd

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER
- STORM DRAIN
- GAS LINE
- UTILITY LOCATION UNKNOWN
- WATER METER
- GAS METER
- HYDRANT
- WATER MANHOLE
- SANITARY SEWER MANHOLE
- UNKNOWN UTILITY VAULT OR MANHOLE

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

- FMW-1 — MONITORING WELL LOCATION
- B3 — BORING LOCATION WITH RECONNAISSANCE GROUNDWATER SAMPLE
- B1 — SOIL BORING LOCATION
- JULY 2018 CHEMICAL OXIDANT INJECTION POINT
- AUGUST 2018 CHEMICAL OXIDANT INJECTION POINT
- 2018 CHEMICAL OXIDANT INJECTION TREATMENT AREA
- FORMER UNDERGROUND STORAGE TANK (UST)
- SLOPE ASPECT INDICATOR WITH "V" OPENING IN UPHILL DIRECTION

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FIGURE 2

SITE PLAN SHOWING CHEMICAL OXIDANT TREATMENT AREA
ENDOLYNE GARDEN APARTMENTS
9212 45TH AVENUE SOUTHWEST
SEATTLE, WASHINGTON

FARALLON PN: 1295-001

Drawn By: NM | Checked By: LN | Date: 8/17/2021 | Disk Reference: 1295-001.dwg

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LEGEND

- APPROXIMATE PROPERTY BOUNDARY
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- GAS LINE
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- GAS METER
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- WATER MANHOLE
- SANITARY SEWER MANHOLE
- UNKNOWN UTILITY VAULT OR MANHOLE

FMW-01 MONITORING WELL LOCATION

B3 BORING LOCATION WITH RECONNAISSANCE GROUNDWATER SAMPLE

B1 SOIL BORING LOCATION

(85.17) GROUNDWATER ELEVATION IN FEET

84.00 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

FORMER UNDERGROUND STORAGE TANK

SLOPE ASPECT INDICATOR WITH "V" OPENING IN UPHILL DIRECTION

0 20
SCALE IN FEET

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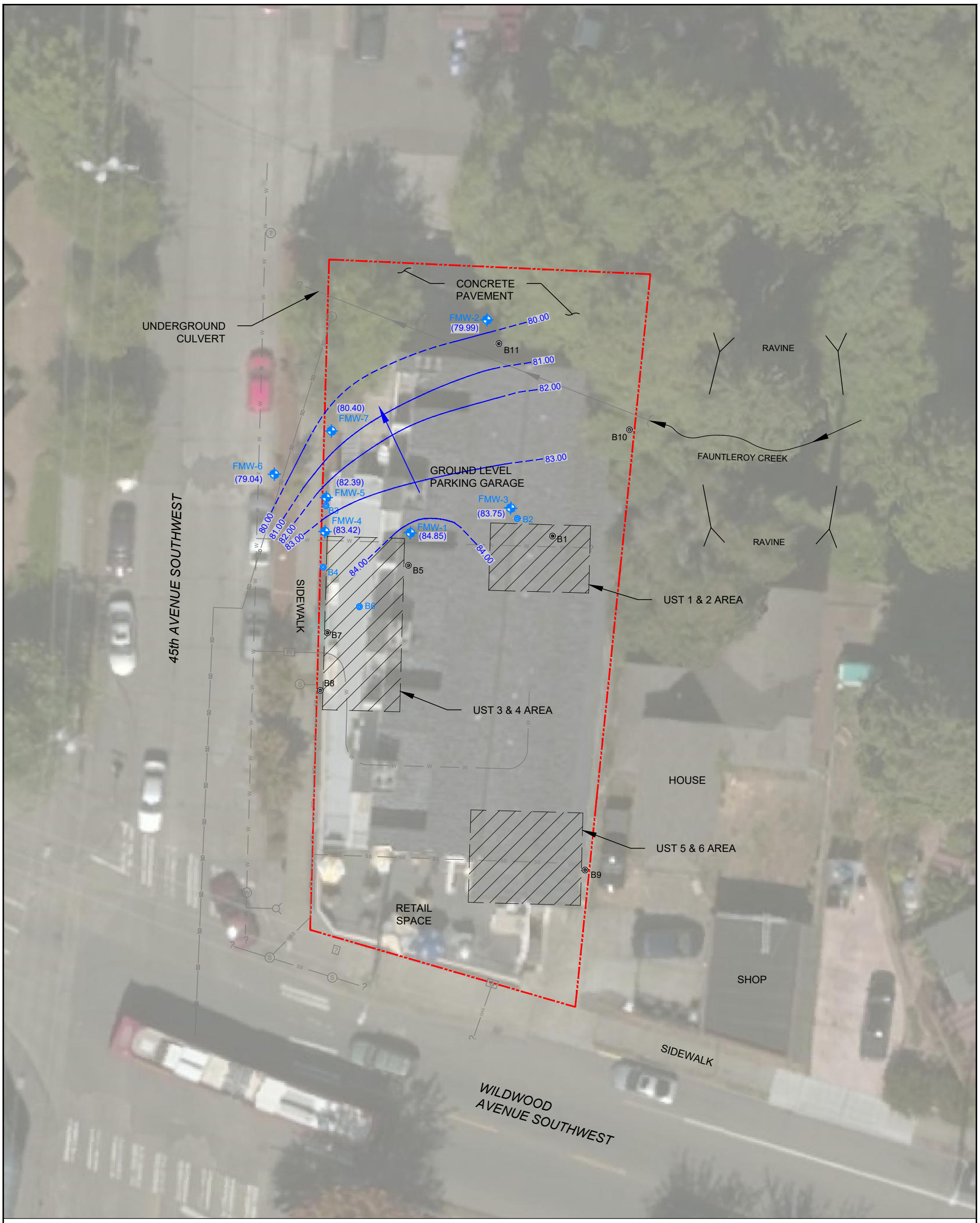
FIGURE 3

GROUNDWATER ELEVATION CONTOUR MAP
MARCH 25, 2020
ENDOLYNE GARDEN APARTMENTS
9212 45TH AVENUE SOUTHWEST
SEATTLE, WASHINGTON

FARALLON PN: 1295-001

Drawn By: JJ | Checked By: LN | Date: 8/17/2021 | Disk Reference: 1295-001.dwg



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER
- STORM DRAIN
- GAS LINE
- UTILITY LOCATION UNKNOWN
- WATER METER
- GAS METER
- HYDRANT
- WATER MANHOLE
- SANITARY SEWER MANHOLE
- UNKNOWN UTILITY VAULT OR MANHOLE

FMW-01 MONITORING WELL LOCATION

B3 BORING LOCATION WITH RECONNAISSANCE GROUNDWATER SAMPLE

B1 SOIL BORING LOCATION

(84.85) GROUNDWATER ELEVATION IN FEET

84.00 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

FORMER UNDERGROUND STORAGE TANK

SLOPE ASPECT INDICATOR WITH "V" OPENING IN UPHILL DIRECTION

0 20
SCALE IN FEET

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FIGURE 4

GROUNDWATER ELEVATION CONTOUR MAP
JUNE 22, 2020
ENDOLYNE GARDEN APARTMENTS
9212 45TH AVENUE SOUTHWEST
SEATTLE, WASHINGTON

FARALLON PN: 1295-001

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LEGEND

- APPROXIMATE PROPERTY BOUNDARY
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- STORM DRAIN
- GAS LINE
- UTILITY LOCATION UNKNOWN
- WATER METER
- GAS METER
- HYDRANT
- WATER MANHOLE
- SANITARY SEWER MANHOLE
- UNKNOWN UTILITY VAULT OR MANHOLE

FMW-01 MONITORING WELL LOCATION

B3 BORING LOCATION WITH RECONNAISSANCE GROUNDWATER SAMPLE

B1 SOIL BORING LOCATION

(84.23) GROUNDWATER ELEVATION IN FEET

84.00 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

FORMER UNDERGROUND STORAGE TANK

SLOPE ASPECT INDICATOR WITH "V" OPENING IN UPHILL DIRECTION

0 20
SCALE IN FEET

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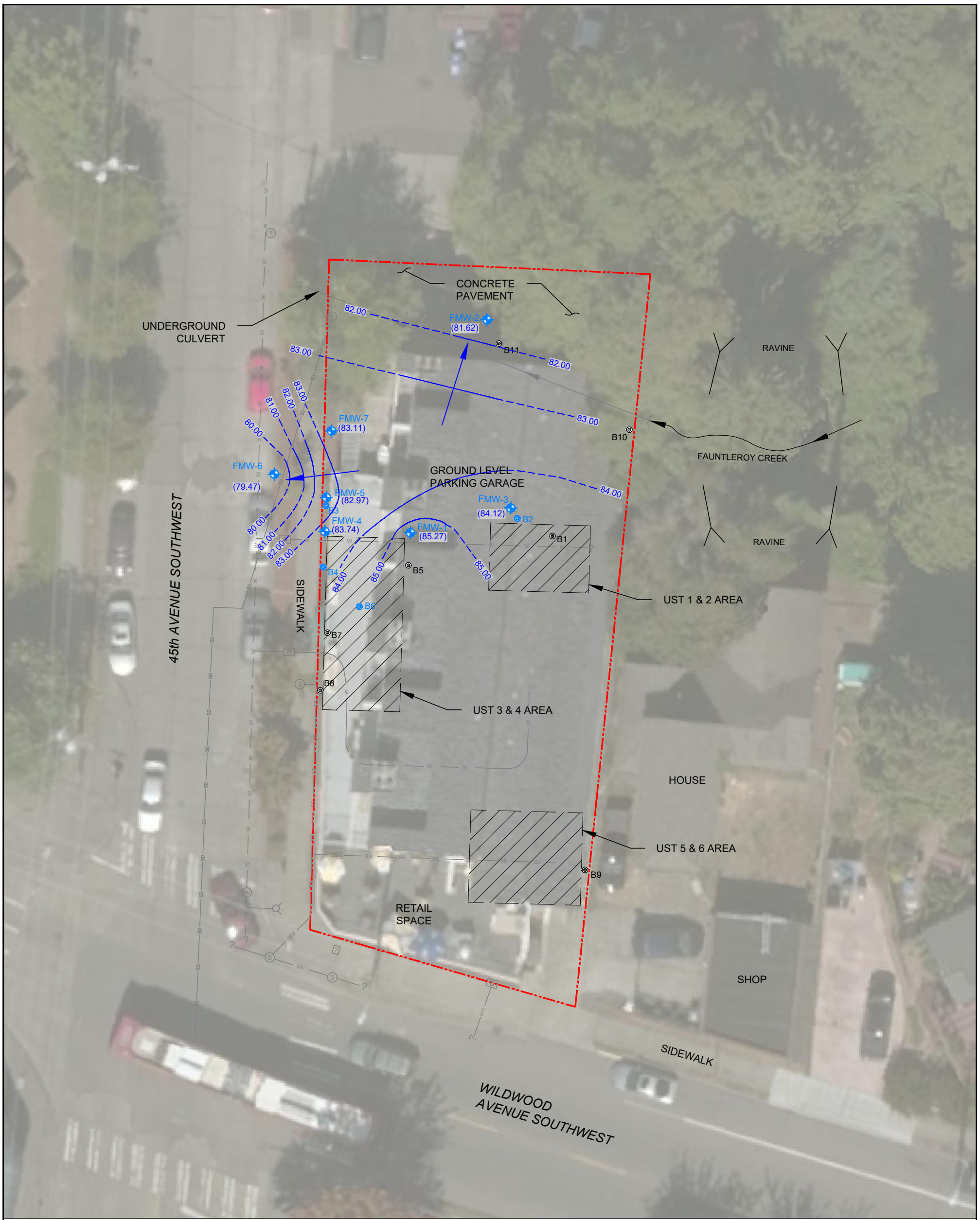
FIGURE 5

GROUNDWATER ELEVATION CONTOUR MAP
SEPTEMBER 30, 2020
ENDOLYNE GARDEN APARTMENTS
9212 45TH AVENUE SOUTHWEST
SEATTLE, WASHINGTON

FARALLON PN: 1295-001

Drawn By: JJ | Checked By: LN | Date: 8/17/2021 | Disk Reference: 1295-001.dwg



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER
- STORM DRAIN
- GAS LINE
- UTILITY LOCATION UNKNOWN
- WATER METER
- GAS METER
- HYDRANT
- WATER MANHOLE
- SANITARY SEWER MANHOLE
- UNKNOWN UTILITY VAULT OR MANHOLE

FMW-01 MONITORING WELL LOCATION

B3 BORING LOCATION WITH RECONNAISSANCE GROUNDWATER SAMPLE

B1 SOIL BORING LOCATION

(85.27) GROUNDWATER ELEVATION IN FEET

84.00 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

FORMER UNDERGROUND STORAGE TANK

SLOPE ASPECT INDICATOR WITH "V" OPENING IN UPHILL DIRECTION

0 20
SCALE IN FEET

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

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FIGURE 6

GROUNDWATER ELEVATION CONTOUR MAP
DECEMBER 15, 2020
ENDOLYNE GARDEN APARTMENTS
9212 45TH AVENUE SOUTHWEST
SEATTLE, WASHINGTON

FARALLON PN: 1295-001

Drawn By: JJ | Checked By: LN | Date: 8/17/2021 | Disk Reference: 1295-001.dwg

TABLES

REMEDIAL ACTION REPORT
Endolyne Garden Apartments
9212 45th Avenue Southwest
Seattle, Washington

Farallon PN: 1295-001

Table 1
Laboratory Analytical Results for Soil Samples – TPH and BTEX
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	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]	Total Xylenes[4,7]
B1	B1-3.0	3.0	1/26/2015	< 28	< 56	—	—	—	—	—
	B1-4.0	4.0	1/26/2015	< 30	< 59	—	—	—	—	—
B2	B2-6.0	6.0	1/26/2015	< 33	< 66	—	—	—	—	—
	B2-9.5	9.5	1/26/2015	< 29	< 58	—	—	—	—	—
B3	B3-11.5	11.5	1/26/2015	—	—	**63**	< 0.020	< 0.070	0.12	0.13
	B3-15.5	15.5	1/26/2015	—	—	< 7.0	< 0.020	< 0.070	< 0.070	<0.07
B4	B4-9.5	9.5	1/26/2015	—	—	< 7.0	< 0.020	< 0.070	< 0.070	<0.07
	B4-12.0	12.0	1/26/2015	—	—	< 6.1	< 0.020	< 0.061	< 0.061	<0.061
B5	B5-5.0	5.0	1/26/2015	—	—	< 5.6	< 0.020	< 0.056	< 0.056	<0.056
	B5-7.0	7.0	1/26/2015	—	—	< 5.4	< 0.020	< 0.054	< 0.054	<0.054
B6	B6-2.5	2.5	1/27/2015	—	—	<5.0	< 0.020	< 0.050	< 0.050	<0.050
	B6-8.5	8.5	1/27/2015	—	—	< 6.2	< 0.020	< 0.062	< 0.062	<0.062
	B6-11.5	11.5	1/27/2015	—	—	< 5.7	< 0.020	< 0.057	< 0.057	<0.057
B7	B7-5.0	5.0	1/27/2015	—	—	< 6.4	< 0.020	< 0.064	< 0.064	<0.064
	B7-8.0	8.0	1/27/2015	—	—	< 6.8	< 0.020	< 0.068	< 0.068	<0.068
B8	B8-5.5	5.5	1/27/2015	—	—	< 6.3	< 0.020	< 0.063	< 0.063	<0.063
B9	B9-5.0	5.0	1/27/2015	—	—	< 6.6	< 0.020	< 0.066	< 0.066	<0.066
	B9-7.5	7.5	1/27/2015	—	—	< 6.6	< 0.020	< 0.066	< 0.066	<0.066
B10	B10-1.5	1.5	1/26/2015	< 30	< 60	—	—	—	—	—
B11	B11-11.0	11.0	1/26/2015	< 30	310	< 6.0	< 0.020	< 0.060	< 0.060	< 0.060
FMW-01	MW1-4.5-030816	4.5	3/8/2016	—	—	< 7.0	< 0.020	< 0.070	< 0.070	< 0.070
	MW1-8.5-030816	8.5	3/8/2016	—	—	10	< 0.020	< 0.063	< 0.063	< 0.063
FMW-02	MW2-8.3-030816	8.3	3/8/2016	< 31	260	< 6.4	< 0.020	< 0.064	< 0.064	< 0.064
	MW2-14.0-030816	14.0	3/8/2016	< 29	< 58	< 5.8	< 0.020	< 0.058	< 0.058	< 0.058
FMW-03	MW3-4.0-030816	4.0	3/8/2016	< 170	1,200	—	—	—	—	---
	MW3-9.0-030816	9.0	3/8/2016	< 30	< 61	< 7.1	< 0.020	< 0.071	< 0.071	< 0.071
FMW-04	FMW4-5.0	5.0	8/3/2016	—	—	< 6.5	< 0.020	< 0.065	< 0.065	< 0.130
	FMW4-10.0	10.0	8/3/2016	—	—	< 5.8	< 0.020	< 0.058	< 0.058	< 0.116
	FMW4-15.0	15.0	8/3/2016	—	—	< 7.3	< 0.020	< 0.073	< 0.073	< 0.146
FMW-05	FMW5-11.5	11.5	10/10/2017	—	—	**130**	**0.043**	< 0.15	< 0.75	0.45
	FMW5-14.0	14.0	10/10/2017	—	—	< 14	< 0.028	< 0.14	< 0.14	< 0.28
FMW-06	FMW6-13.0	13.0	10/10/2017	—	—	**93**	**0.036**	< 0.11	0.24	0.32
FMW-07	FMW7-9.0	9.0	4/10/2018	—	—	< 7.5	< 0.020	< 0.075	< 0.075	< 0.150
MTCA Method A Cleanup Levels for Soil[5]				**2,000**	**2,000**	**30/100 [6]**	**0.03**	**7**	**6**	**9**

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

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

-- denotes sample was not analyzed.

BTEX = benzene, toluene, ethylbenzene, and xylenes

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

GRO = TPH as gasoline-range organics

ORO = TPH as oil-range organics

[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.

[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 amended 2013.

[6] The MTCA Method A cleanup level for GRO in soil is 100 milligrams per kilogram for gasoline mixtures without benzene, and the total of ethylbenzene, toluene, and xylenes are less than 1 percent of the gasoline mixture. For all other mixtures, the MTCA Method A cleanup level for GRO in soil is 30 milligrams per kilogram.

[7]Ortho-xylene and meta/para-xylene summed for total xylenes as follows: If both detected concentrations, they are summed; if one detected and one non-detected concentration, the detected concentration reported and indicated as a detect.

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Table 2
Laboratory Analytical Results for Soil Samples – EDB, EDC, MTBE, and Naphthalene
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)			
				1,2-Dibromoethane (EDB)[2]	1,2-Dichloroethane (EDC)[2]	Methyl tertiary butyl ether (MTBE)[2]	Naphthalene[3]
B1	B1-4.0	4.0	01/26/2015	< 0.0011	< 0.0011	—	< 0.0079
B2	B2-6.0	6.0	01/26/2015	< 0.0013	< 0.0013	—	< 0.0087
B3	B3-11.5	11.5	01/26/2015	< 0.0031	< 0.0031	< 0.0031	—
B7	B7-8.0	8.0	01/27/2015	< 0.0013	< 0.0013	< 0.0013	—
B9	B9-7.5	7.5	01/27/2015	< 0.0010	< 0.0010	< 0.0010	—
MTCA Method A Cleanup Levels for Soil[4]				**0.005**	**11[5]**	**0.1**	**5**

NOTES:
Results in **bold** denote concentrations exceeding applicable cleanup levels.
< denotes analyte not detected at or exceeding the laboratory practical quantitation limit listed.
— denotes sample not analyzed.

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 8260C.

[3]Analyzed by U.S. Environmental Protection Agency Method 8270D/SIM.

[4]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.

[5]Washington State Department of Ecology Cleanup Levels and Risk Calculations under the Washington State Model Toxics Control Act Cleanup Regulation, Version 3.1 Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only), https://fortress.wa.gov/ecy/clarc/CLARCDataTables.aspx

Table 3
Laboratory Analytical Results for Soil Samples – Lead
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]
				Total Lead
B3	B3-11.5	11.5	1/26/2015	< 6.2
B7	B7-8.0	8.0	1/27/2015	6.4
B9	B9-7.5	7.5	1/27/2015	< 6.0
FMW-04	FMW4-10.0	10.0	8/3/2016	< 5.7
FMW-05	FMW5-11.5	11.5	10/10/2017	15
FMW-07	FMW7-9.0	9.0	4/10/2018	6.8
MTCA Method A Cleanup Levels for Soil[3]				**250**

NOTES:

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

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 6010C or 6010D.

[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.

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Table 4
Laboratory Analytical Results for Soil Samples – cPAHs
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]							
				Benzo(a) Anthracene	Benzo(a) Pyrene	Benzo(b) Fluoranthene	Benzo(j,k) Fluoranthene	Chrysene	Dibenzo(a,h) Anthracene	Indeno(1,2,3-cd) Pyrene	Total cPAHs[3, 4]
B1	B1-4.0	4.0	01/26/2015	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	0.006
B2	B2-6.0	6.0	01/26/2015	< 0.0087	< 0.0087	< 0.0087	< 0.0087	< 0.0087	< 0.0087	< 0.0087	0.007
Cleanups Level for Soil				**1.37[5]**	**0.1[6]**	**1.37[5]**	**13.7[5]**	**137[5]**	**0.137[5]**	**1.37[5]**	**0.1[6]**

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

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

cPAH = carcinogenic polycyclic aromatic hydrocarbon

[1]Depth in feet below ground surface.

[2]Analyzed by U.S.. Environmental Protection Agency 8270D/SIM (low-level).

[3]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.

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

[5]Washington State Department of Ecology Cleanup Levels and Risk Calculations under the Washington State Model Toxics Control Act Cleanup Regulation (MTCA), Version 3.1 Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only), https://fortress.wa.gov/ecy/clarc/CLARCDataTables.aspx

[6]Washington State Model Toxics Control Act Cleanup Regulation 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.

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Table 5
Laboratory Analytical Results for Soil Samples – PCBs
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Identification	Sample Location	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]							
				Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs[3]
B1	B1-4.0	4.0	01/27/15	< 0.059	< 0.060	< 0.061	< 0.062	< 0.063	< 0.064	< 0.059	0.25
B2	B2-6.0	6.0	01/24/15	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	0.23
MTCA Method A Cleanup Levels for Soil[4]				**14.3[5]**	**NA**	**NA**	**NA**	**NA**	**0.5[5]**	**0.5[5]**	**1**

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

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

NA = not available

PCBs = polychlorinated biphenyls

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 8082A.

[3]For concentrations reported at less than the laboratory reporting limit, half the reporting limit was used to calculate the total polychlorinated biphenyls.

[4]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 amended 2013.

[5]Washington State Department of Ecology Cleanup Levels and Risk Calculations under the Washington State Model Toxics Control Act Cleanup Regulation, Version 3.1 Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only), https://fortress.wa.gov/ecy/clarc/CLARCDataTables.aspx

Table 6
Laboratory Analytical Results for Soil Samples – HVOCs
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2,5]				
				Tetrachloroethene (PCE)	Trichloroethene (TCE)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
B1	B1-4.0	4.0	01/26/2015	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
B2	B2-6.0	6.0	01/26/2015	0.0030	< 0.0013	< 0.0013	< 0.0013	< 0.0013
Cleanup Levels for Soil				**0.05[3]**	**0.03[3]**	**160[4]**	**1,600[4]**	**240[4]**

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

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

HVOCs = halogenated volatile organic compounds

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 8260C.

[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 Department of Ecology Cleanup Levels and Risk Calculations under the Washington State Model Toxics Control Act Cleanup Regulation, Version 3.1 Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only), https://fortress.wa.gov/ecy/clarc/CLARCDataTables.aspx

[5]Other HVOC constituents tested. See laboratory reports for these results.

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Table 7
Laboratory Analytical Results for Reconnaissance Groundwater Samples – TPH and BTEX
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)						
			DRO[1]	ORO[1]	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Total Xylenes[3,6]
B2	01/26/2015	B2-012615-GW	< 260	< 410	200	1.5	20	5.2	28.7
B3	01/26/2015	B3-012615-GW	—	—	**15,000**	**18**	130	51	183
B4	01/26/2015	B4-012615-GW	—	—	**1,900**	**5.9**	73	15	94
B6	01/27/2015	B6-012715-GW	—	—	350	3.7	45	10	46
MTCA Method A Cleanup Level for Groundwater[4]			**500**	**500**	**800** [5]	**5**	**1,000**	**700**	**1,000**

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

< denotes analyte not detected at or exceeding the practical quantitation 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.

[4]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.

[5]For detectable benzene in groundwater. If benzene is not detected in groundwater, the MTCA Method A cleanup level for GRO in groundwater is 1,000 micrograms per liter.

[6]Ortho-xylene and meta/para-xylene summed for total xylenes as follows: If both detected concentrations, they are summed; if one detected and one non-detected concentration, the detected concentration reported and indicated as a detect.

BTEX = benzene, toluene, ethylbenzene, and xylenes

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

GRO = TPH as gasoline-range organics

ORO = TPH as oil-range organics

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Table 8
Laboratory Analytical Results for Reconaissance Groundwater Samples – EDB, EDC, MTBE, and Naphthalene
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)			
			1,2-Dibromoethane (EDB)[1]	1,2-Dichloroethane (EDC)[2]	Methyl tertiary butyl ether (MTBE)[2]	Naphthalene[3]
B2	01/26/2015	B2-012615-GW	< 0.010	< 0.20	< 0.20	1.4
B3	01/26/2015	B3-012615-GW	< 0.010	< 2.0	< 2.0	—
B6	01/27/2015	B6-012715-GW	< 0.010	< 0.20	< 0.20	—
MTCA Method A Cleanup Level for Groundwater[4]			**0.01**	**5**	**20**	**160**

NOTES:
Results in **bold** denote concentrations exceeding applicable cleanup levels.
< denotes analyte not detected at or exceeding the laboratory practical quantitation limit listed.
— denotes sample not analyzed.

[1]Analyzed by U.S. Environmental Protection Agency (EPA) Method 8011.

[2]Analyzed by EPA Method 8260C.

[3]Analyzed by EPA Method 8270D/SIM.

[4]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.

Table 9
Laboratory Analytical Results for Reconnaissance Groundwater Samples – Lead
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]	
			Total Lead	Dissolved Lead
B2	01/26/2015	B2-012615-GW	4.0	< 1.0
B4	01/26/2015	B4-012615-GW	**1,300**	–
MTCA Method A Cleanup Level for Groundwater[2]			**15**	

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

NA = not available

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

– denotes sample not analyzed.

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

[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.

Table 10
Laboratory Analytical Results for Reconnaissance Groundwater Samples – cPAHs
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]							
			Benzo(a) Anthracene	Benzo(a) Pyrene	Benzo(b) Fluoranthene	Benzo(j,k) Fluoranthene	Chrysene	Dibenzo(a,h) Anthracene	Indeno(1,2,3-cd) Pyrene	Total cPAHs[2,3]
B2	01/26/2015	B2-012615-GW	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096	0.007
Cleanup Levels for Groundwater			**0.12**[5]	**0.1**[5]	**0.12**[4]	**1.2**[4]	**12**[4]	**0.012**[4]	**0.12**[4]	**0.1**[4]

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

cPAHs = carcinogenic polycyclic aromatic hydrocarbons

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

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

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

[3]For concentrations reported at less than the laboratory reporting limit, half the reporting limit was used to calculate total cPAHs.

[4]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.

[5]Washington State Model Toxics Control Act Cleanup Regulation Cleanup Levels and Risk Calculations, Standard Method B Values for Groundwater, https://fortress.wa.gov/ecy/clarc/Reporting/ChemicalQuery.aspx

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Table 11
Laboratory Analytical Results for Reconnaissance Groundwater Samples – PCBs
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]							
			Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs[2]
B2	01/26/2015	B2-012615-GW	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.35
Cleanup Level for Groundwater			**1.12**[3]	**NA**	**NA**	**NA**	**NA**	**0.32**[3]	**0.048**[4]	**0.1**[5]

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

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

NA = not analyzed

PCBs = polychlorinated biphenyls

[1]Analyzed by U.S. Environmental Protection Agency Method 8082A.

[2]For concentrations reported at less than the laboratory reporting limit, half the reporting limit was used to calculate the total PCBs.

[3]Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Cleanup Levels and Risk Calculations, Standard Method B (Non cancer) Values for Groundwater, https://fortress.wa.gov/ecy/clarc/Reporting/ChemicalQuery.aspx

[4]Washington State Model Toxics Control Act Cleanup Regulation Cleanup Levels and Risk Calculations, Standard Method B (cancer) Values for Groundwater, https://fortress.wa.gov/ecy/clarc/Reporting/ChemicalQuery.aspx

[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.

Table 12
Laboratory Analytical Results for Reconnaissance Groundwater Samples – HVOCs
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1,4]				
			Tetrachloroethene (PCE)	Trichloroethene (TCE)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
B2	01/26/2015	B2-012615-GW	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
MTCA Method A Cleanup Level for Groundwater			**5[2]**	**5[2]**	**16[3]**	**160[3]**	**0.2[2]**

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

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

HVOCs = halogenated volatile organic compounds

[1]Analyzed by U.S. Environmental Protection Agency Method 8260C.

[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.

[3]Washington State Model Toxics Control Act Cleanup Regulation Cleanup Levels and Risk Calculations, Standard Method B Values for Groundwater, https://fortress.wa.gov/ecy/clarc/Reporting/ChemicalQuery.aspx

[4]Other HVOC constituents tested. See laboratory reports for these results.

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Table 13
Groundwater Elevations
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Location	Well Head Elevation (feet)[1]	Well Screen Depth Interval (feet)[2]	Date Measured	Well Depth (feet)[3]	Depth to Water (feet)[3]	Groundwater Elevation (feet)[1]
FMW-01	91.87	5-10	3/15/2016	9.40	6.60	85.27
			8/10/2016	9.37	7.86	84.01
			11/15/2016	9.39	6.61	85.26
			2/23/2017	9.40	6.62	85.25
			5/18/2017	9.40	7.13	84.74
			10/19/2017	9.40	8.22	83.65
			4/18/2018	9.40	6.92	84.95
			7/23/2018	9.40	7.80	84.07
			9/4/2018	9.40	8.22	83.65
			12/11/2018	9.40	7.36	84.51
			3/29/2019	9.40	7.08	84.79
			6/18/2019	9.40	7.45	84.42
			3/25/2020	9.40	6.70	85.17
			6/22/2020	9.40	7.02	84.85
			9/30/2020	9.40	7.64	84.23
			12/15/2020	NM	6.60	85.27

Table 13
Groundwater Elevations
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Location	Well Head Elevation (feet)[1]	Well Screen Depth Interval (feet)[2]	Date Measured	Well Depth (feet)[3]	Depth to Water (feet)[3]	Groundwater Elevation (feet)[1]
FMW-02	91.60	5-15	3/15/2016	14.90	8.31	83.29
			8/10/2016	14.84	13.38	78.22
			11/15/2016	14.82	6.91	84.69
			2/23/2017	14.82	9.80	81.80
			5/18/2017	14.81	10.80	80.80
			10/19/2017	14.82	9.28	82.32
			4/18/2018	14.82	9.43	82.17
			7/23/2018	14.82	13.97	77.63
			9/4/2018	14.81	14.64	76.96
			12/11/2018	14.81	10.35	81.25
			3/29/2019	14.80	12.39	79.21
			6/18/2019	14.80	13.29	78.31
			3/25/2020	14.80	10.70	80.90
			6/22/2020	14.80	11.61	79.99
			9/30/2020	14.80	12.82	78.78
			12/15/2020	NM	9.98	81.62

Table 13
Groundwater Elevations
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Location	Well Head Elevation (feet)[1]	Well Screen Depth Interval (feet)[2]	Date Measured	Well Depth (feet)[3]	Depth to Water (feet)[3]	Groundwater Elevation (feet)[1]
FMW-03	91.65	6-11	3/15/2016	10.40	6.92	84.73
			8/10/2016	10.32	8.21	83.44
			11/15/2016	10.34	6.89	84.76
			2/23/2017	10.35	7.04	84.61
			5/18/2017	10.35	7.67	83.98
			10/19/2017	10.35	8.41	83.24
			4/18/2018	10.35	7.30	84.35
			7/23/2018	10.35	8.30	83.35
			9/4/2018	10.35	8.61	83.04
			12/11/2018	10.35	7.86	83.79
			3/29/2019	10.34	7.82	83.83
			6/18/2019	10.34	8.12	83.53
			3/25/2020	10.34	7.37	84.28
			6/22/2020	10.34	7.90	83.75
			9/30/2020	9.90	7.85	83.80
			12/15/2020	NM	7.53	84.12

Table 13
Groundwater Elevations
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Location	Well Head Elevation (feet)[1]	Well Screen Depth Interval (feet)[2]	Date Measured	Well Depth (feet)[3]	Depth to Water (feet)[3]	Groundwater Elevation (feet)[1]
FMW-04	92.47	5-15	8/10/2016	14.85	10.71	81.76
			11/15/2016	14.82	8.85	83.62
			2/23/2017	14.85	8.73	83.74
			5/18/2017	14.85	9.16	83.31
			10/19/2017	14.85	10.90	81.57
			4/18/2018	14.85	8.99	83.48
			7/23/2018	14.85	10.24	82.23
			9/4/2018	14.90	10.86	81.61
			12/11/2018	14.88	9.81	82.66
			3/29/2019	14.87	8.90	83.57
			6/18/2019	14.87	9.56	82.91
			3/25/2020	14.87	8.86	83.61
			6/22/2020	14.87	9.05	83.42
			9/30/2020	14.80	9.65	82.82
			12/15/2020	NM	8.73	83.74

Table 13
Groundwater Elevations
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Location	Well Head Elevation (feet)[1]	Well Screen Depth Interval (feet)[2]	Date Measured	Well Depth (feet)[3]	Depth to Water (feet)[3]	Groundwater Elevation (feet)[1]
FMW-05	92.15	9-14	10/19/2017	13.10	11.30	80.85
			4/18/2018	13.10	9.36	82.79
			7/23/2018	13.10	10.71	81.44
			9/4/2018	13.08	10.94	81.21
			12/11/2018	13.05	9.96	82.19
			3/29/2019	13.05	9.58	82.57
			6/18/2019	13.05	10.31	81.84
			3/25/2020	13.05	9.60	82.55
			6/22/2020	13.05	9.76	82.39
			9/30/2020	13.05	10.25	81.90
			12/15/2020	NM	9.18	82.97
FMW-06	91.66	11-16	10/19/2017	15.52	13.30	78.36
			4/18/2018	15.52	11.55	80.11
			7/23/2018	15.52	12.61	79.05
			9/4/2018	15.55	13.06	78.60
			12/11/2018	15.53	12.78	78.88
			3/29/2019	15.51	12.59	79.07
			6/18/2019	15.51	12.94	78.72
			3/25/2020	15.51	12.48	79.18
			6/22/2020	15.51	12.62	79.04
			9/30/2020	15.50	13.08	78.58
			12/15/2020	NM	12.19	79.47

Table 13
Groundwater Elevations
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Location	Well Head Elevation (feet)[1]	Well Screen Depth Interval (feet)[2]	Date Measured	Well Depth (feet)[3]	Depth to Water (feet)[3]	Groundwater Elevation (feet)[1]
FMW-07	91.85	9-14	4/18/2018	14.10	10.28	81.57
			7/23/2018	14.10	13.70	78.15
			9/4/2018	14.05	Well Dry	Well Dry
			12/11/2018	14.05	9.52	82.33
			3/29/2019	14.02	11.00	80.85
			6/18/2019	14.02	13.00	78.85
			3/25/2020	14.02	10.76	81.09
			6/22/2020	14.02	11.45	80.40
			9/30/2020	13.90	12.64	79.21
			12/15/2020	NM	8.74	83.11

NOTES:
[1] Elevations based on Washington State Department of Transportation Monument No. 3558 with a published elevation of 41.71 feet.
[2] In feet below ground surface.
[3] In feet below top of well casing.

NM = not measured

Table 14
Laboratory Analytical Results for Groundwater Samples – TPH and BTEX
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)						
			DRO[1]	ORO[1]	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Total Xylenes[3]
FMW-1	3/15/2016	MW-1-031516	< 280	< 450	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	8/10/2016	FMW-01-081016	—	—	150	< 1.0	< 1.0	< 1.0	< 2.0
	11/15/2016	FMW-1-111516	—	—	110	< 1.0	< 1.0	< 1.0	< 2.0
	2/23/2017	FMW-1-022317	—	—	210	< 1.0	< 1.0	< 1.0	< 2.0
	5/18/2017	FMW-1-051817	—	—	150	< 1.0	< 1.0	< 1.0	< 2.0
	10/19/2017	FMW-1-101917	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	7/23/2018	FMW-1-072318	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	9/4/2018	FMW-1-090418	—	—	150	< 1.0	< 1.0	< 1.0	< 2.0
	12/11/2018	FMW-1-121118	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	3/29/2019	FMW-1-032919	—	—	270 Z	< 1.0	< 1.0	< 1.0	< 2.0
	6/22/2020	FMW-1-062220	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	9/30/2020	FMW-1-093020	---	---	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	12/18/2020	FMW-1-121820	---	---	< 100	< 1.0	< 1.0	< 1.0	< 2.0
FMW-2	3/15/2016	MW-2-031516	< 260	< 420	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	8/11/2016	FMW-02-081116	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	11/15/2016	FMW-2-111516	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	2/23/2017	FMW-2-022317	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	5/18/2017	FMW-2-051817	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	10/19/2017	FMW-2-101917	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	12/11/2018	FMW-2-121118	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	3/29/2019	FMW-2-032919	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	6/22/2020	FMW-2-062220	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	12/18/2020	FMW-2-121820	---	---	< 100	< 1.0	< 1.0	< 1.0	< 2.0
FMW-3	3/15/2016	MW-3-031516	< 260	< 410	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	8/10/2016	FMW-03-081016	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	11/15/2016	FMW-3-111516	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	2/23/2017	FMW-3-022317	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	5/18/2017	FMW-3-051817	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	10/19/2017	FMW-3-101917	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	7/23/2018	FMW-3-072318	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	12/11/2018	FMW-3-121118	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	3/29/2019	FMW-3-032919	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	6/22/2020	FMW-3-062220	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	9/30/2020	FMW-3-093020	---	---	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	12/18/2020	FMW-3-121820	---	---	< 100	< 1.0	< 1.0	< 1.0	< 2.0
MTCA Method A Cleanup Level for Groundwater[3]			**500**	**500**	**800/1,000 [4]**	**5**	**1,000**	**700**	**1,000**

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Table 14
Laboratory Analytical Results for Groundwater Samples – TPH and BTEX
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)						
			DRO[1]	ORO[1]	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Total Xylenes[3]
FMW-4	8/10/2016	FMW-04-081016	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	11/15/2016	FMW-4-111516	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	2/23/2017	FMW-4-022317	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	5/18/2017	FMW-4-051817	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	10/19/2017	FMW-4-101917	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	7/23/2018	FMW-4-072318	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	9/4/2018	FMW-4-090418	—	—	220	< 1.0	< 1.0	< 1.0	< 2.0
	12/11/2018	FMW-4-121118	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	3/29/2019	FMW-4-032919	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	6/22/2020	FMW-4-062220	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	9/30/2020	FMW-4-093020	---	---	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	12/18/2020	FMW-4-121820	---	---	< 100	< 1.0	< 1.0	< 1.0	< 2.0
FMW-5	10/19/2017	FMW-5-101917	—	—	**4,100**	< 4.0	< 4.0	6.6	17.9
	7/23/2018	FMW-5-072318	—	—	**1,100**	1.6	< 1.0	< 1.0	< 2.0
	9/4/2018	FMW-5-090418	—	—	**1,200**	< 1.0	< 1.0	2.4	2.1
	12/11/2018	FMW-5-121118	—	—	**1,500**	< 1.0	< 1.0	3.4	3.0
	3/29/2019	FMW-5-032919	—	—	**1,100**	< 4.0	< 4.0	< 4.0	< 8.0
	6/18/2019	FMW-5-061819	—	—	**890**	< 1.0	< 1.0	< 1.0	< 2.0
	3/25/2020	FMW-5-032520	—	—	530	< 1.0	< 1.0	< 1.0	< 2.0
	6/22/2020	FMW-5-062220	—	—	750	< 1.0	< 1.0	< 1.0	< 2.0
	9/30/2020	FMW-5-093020	---	---	350	< 1.0	< 1.0	< 1.0	< 2.0
	12/18/2020	FMW-5-121820	---	---	540	< 1.0	< 1.0	< 1.0	< 2.0
FMW-6	10/19/2017	FMW-6-101917	—	—	130	< 1.0	< 1.0	< 1.0	< 2.0
	7/23/2018	FMW-6-072318	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	9/4/2018	FMW-6-090418	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	12/11/2018	FMW-6-121118	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	3/29/2019	FMW-6-032919	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	6/18/2019	FMW-6-061819	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	3/25/2020	FMW-6-032520	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	6/22/2020	FMW-6-062220	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	9/30/2020	FMW-6-093020	---	---	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	12/18/2020	FMW-6-121820	---	---	< 100	< 1.0	< 1.0	< 1.0	< 2.0
MTCA Method A Cleanup Level for Groundwater[3]			**500**	**500**	**800/1,000 [4]**	**5**	**1,000**	**700**	**1,000**

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Table 14
Laboratory Analytical Results for Groundwater Samples – TPH and BTEX
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)						
			DRO[1]	ORO[1]	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Total Xylenes[3]
FMW-07	4/18/2018	FMW-7-041818	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	12/11/2018	FMW-7-121118	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	3/29/2019	FMW-7-032919	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	6/18/2019	FMW-7-061819	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	3/25/2020	FMW-7-032520	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	6/22/2020	FMW-7-062220	—	—	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	9/30/2020	FMW-7-093020	---	---	< 100	< 1.0	< 1.0	< 1.0	< 2.0
	12/18/2020	FMW-7-121820	---	---	< 100	< 1.0	< 1.0	< 1.0	< 2.0
MTCA Method A Cleanup Level for Groundwater[3]			**500**	**500**	**800/1,000 [4]**	**5**	**1,000**	**700**	**1,000**

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.
< denotes analyte not detected at or exceeding the laboratory practical quantitation limit listed.
— denotes sample not analyzed.

[1]Analyzed by Northwest Method NWTPH-Dx.

[2]Analyzed by Northwest Method NWTPH-Gx.

[3]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.

[4]For detectable benzene in groundwater. If benzene is not detected in groundwater, the MTCA Method A cleanup level for GRO in groundwater is 1,000 micrograms per liter.

BTEX = benzene, toluene, ethylbenzene, and xylenes
DRO = total petroleum hydrocarbons (TPH) as diesel-range organics
GRO = TPH as gasoline-range organics
ORO = TPH as oil-range organics
Z = The sample chromatogram is similar to mineral spirits

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Table 15
Laboratory Analytical Results for Groundwater Samples – EDB, EDC, MTBE, and Naphthalene
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)			
			1,2-Dibromoethane (EDB)[1]	1,2-Dichloroethane (EDC)[2]	Methyl tertiary butyl ether (MTBE)[2]	Naphthalene[3]
FMW-01	3/15/2016	MW-1-031516	< 0.0098	< 0.20	< 0.20	0.17
FMW-02	3/15/2016	MW-2-031516	< 0.0097	< 0.20	< 0.20	< 0.10
FMW-03	3/15/2016	MW-3-031516	< 0.0096	< 0.20	< 0.20	< 0.096
MTCA Method A Cleanup Level for Groundwater[4]			**0.01**	**5**	**20**	**160**

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

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

– denotes sample not analyzed.

[1]Analyzed by U.S. Environmental Protection Agency (EPA) Method 8011.

[2]Analyzed by EPA Method 8260C.

[3]Analyzed by EPA Method 8270D/SIM.

[4]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.

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Table 16
Laboratory Analytical Results for Groundwater Samples – Lead
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]	
			Total Lead	Dissolved Lead
FMW-01	3/15/2016	MW-1-031516	**23**	1.4
	8/11/2016	FMW-01-081116	**49**	---
	11/15/2016	FMW-1-111516	**26**	< 1.0
	2/23/2017	FMW-1-022317	**17**	< 1.0
	5/18/2017	FMW-1-051817	**42**	< 1.0
	10/19/2017	FMW-1-101917	6.2	< 1.0
	7/23/2018	FMW-1-072318	6.3	< 1.0
FMW-02	3/15/2016	MW-2-031516	2.7	< 1.0
	11/15/2016	FMW-2-111516	9.1	< 1.0
	2/23/2017	FMW-2-022317	**84**	< 1.0
	5/18/2017	FMW-2-051817	14	< 1.0
	10/19/2017	FMW-2-101917	6.2	< 1.0
FMW-03	3/15/2016	MW-3-031516	< 1.0	< 1.0
	8/10/2016	FMW-03-081016	< 1.1	---
	11/15/2016	FMW-3-111516	< 1.1	< 1.0
	2/23/2017	FMW-3-022317	3.5	< 1.0
	5/18/2017	FMW-3-051817	**56**	< 1.0
	10/19/2017	FMW-3-101917	4.6	< 1.0
	7/23/2018	FMW-3-072318	1.8	< 1.0
FMW-04	8/10/2016	FMW-04-081016	< 1.1	---
	11/15/2016	FMW-4-111516	< 1.1	< 1.0
	2/23/2017	FMW-4-022317	< 1.1	< 1.0
	5/18/2017	FMW-4-051817	1.9	< 1.0
	10/19/2017	FMW-4-101917	< 1.1	< 1.0
FMW-05	10/19/2017	FMW-5-101917	4.9	3.5
FMW-06	10/19/2017	FMW-6-101917	< 1.1	< 1.0
FMW-07	4/18/2018	FMW-7-041818	< 1.1	< 1.0
MTCA Method A Cleanup Level for Groundwater[2]			**15**	

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

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

– denotes sample not analyzed.

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

[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.

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Table 17
Laboratory Analytical Results for Groundwater Samples – cPAHs
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]							
			Benzo(a) Anthracene	Benzo(a) Pyrene	Benzo(b) Fluoranthene	Benzo(j,k) Fluoranthene	Chrysene	Dibenzo(a,h) Anthracene	Indeno(1,2,3-cd) Pyrene	Total cPAHs[2,3]
FMW-01	3/15/2016	MW-1-031516	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.008
FMW-02	3/15/2016	MW-2-031516	0.037	0.030	0.044	0.013	0.041	< 0.010	0.017	0.042
FMW-03	3/15/2016	MW-3-031516	0.014	< 0.0096	0.010	< 0.0096	< 0.0096	< 0.0096	< 0.0096	0.009
Cleanup Levels for Groundwater			**0.12**[4]	**0.1**[4]	**0.12**[5]	**1.2**[5]	**12**[5]	**0.012**[5]	**0.12**[5]	**0.1**[5]

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

cPAHs = carcinogenic polycyclic aromatic hydrocarbons

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

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

[2]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.

[3]For concentrations reported at less than the laboratory reporting limit, half the reporting limit was used to calculate total cPAHs.

[4]Washington State Model Toxics Control Act Cleanup Regulation Cleanup Levels and Risk Calculations, Standard Method B Values for Groundwater, https://fortress.wa.gov/ecy/clarc/Reporting/ChemicalQuery.aspx

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Table 18
Laboratory Analytical Results for Groundwater Samples – HVOCs
Endolyne Garden Apartments
Seattle, Washington
Farallon PN: 1295-001

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1,4]				
			Tetrachloroethene (PCE)	Trichloroethene (TCE)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
FMW-01	3/15/2016	MW-1-031516	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
FMW-02	3/15/2016	MW-2-031516	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
FMW-03	3/15/2016	MW-3-031516	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
MTCA Method A Cleanup Level for Groundwater			**5[2]**	**5[2]**	**16[3]**	**160[3]**	**0.2[2]**

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

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

HVOCs = halogenated volatile organic compounds

[1]Analyzed by U.S. Environmental Protection Agency Method 8260C.

[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.

[3]Washington State Model Toxics Control Act Cleanup Regulation Cleanup Levels and Risk Calculations, Standard Method B Values for Groundwater, https://fortress.wa.gov/ecy/clarc/Reporting/ChemicalQuery.aspx

[4]Other HVOC constituents tested. See laboratory reports for these results.

APPENDIX A
LABORATORY ANALYTICAL REPORTS

REMEDIAL ACTION REPORT
Endolyne Garden Apartments
9212 45th Avenue Southwest
Seattle, Washington

Farallon PN: 1295-001

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

December 23, 2020

Lyndsey Needham
Farallon Consulting, LLC
1201 Cornwall Avenue, Suite 105
Bellingham, WA 98225

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 2012-200

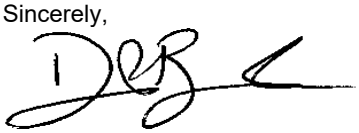
Dear Lyndsey:

Enclosed are the analytical results and associated quality control data for samples submitted on December 18, 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

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

Date of Report: December 23, 2020
Samples Submitted: December 18, 2020
Laboratory Reference: 2012-200
Project: 1295-001

Case Narrative

Samples were collected on December 18, 2020 and received by the laboratory on December 18, 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.

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

Date of Report: December 23, 2020
Samples Submitted: December 18, 2020
Laboratory Reference: 2012-200
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-1-121820**					
Laboratory ID:	12-200-01					
Benzene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Toluene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
o-Xylene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Gasoline	**ND**	100	NWTPH-Gx	12-21-20	12-21-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*92*	*65-120*				
Client ID:	**FMW-2-121820**					
Laboratory ID:	12-200-02					
Benzene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Toluene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
o-Xylene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Gasoline	**ND**	100	NWTPH-Gx	12-21-20	12-21-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*65-120*				
Client ID:	**FMW-3-121820**					
Laboratory ID:	12-200-03					
Benzene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Toluene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
o-Xylene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Gasoline	**ND**	100	NWTPH-Gx	12-21-20	12-21-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*65-120*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: December 23, 2020
Samples Submitted: December 18, 2020
Laboratory Reference: 2012-200
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-4-121820**					
Laboratory ID:	12-200-04					
Benzene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Toluene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
o-Xylene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Gasoline	**ND**	100	NWTPH-Gx	12-21-20	12-21-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*65-120*				
Client ID:	**FMW-5-121820**					
Laboratory ID:	12-200-05					
Benzene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Toluene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
o-Xylene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Gasoline	**540**	100	NWTPH-Gx	12-21-20	12-21-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*96*	*65-120*				
Client ID:	**FMW-6-121820**					
Laboratory ID:	12-200-06					
Benzene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Toluene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
o-Xylene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Gasoline	**ND**	100	NWTPH-Gx	12-21-20	12-21-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*65-120*				

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Date of Report: December 23, 2020
Samples Submitted: December 18, 2020
Laboratory Reference: 2012-200
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-7-121820**					
Laboratory ID:	12-200-07					
Benzene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Toluene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
o-Xylene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Gasoline	**ND**	100	NWTPH-Gx	12-21-20	12-21-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*65-120*				

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

Date of Report: December 23, 2020
Samples Submitted: December 18, 2020
Laboratory Reference: 2012-200
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1221W1					
Benzene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Toluene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
o-Xylene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Gasoline	**ND**	100	NWTPH-Gx	12-21-20	12-21-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*100*	*65-120*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	12-194-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*100*	*95*	*65-120*			
SPIKE BLANKS											
Laboratory ID:	SB1221W1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**47.2**	**47.2**	50.0	50.0		**94**	**94**	83-117	0	11	
Toluene	**49.7**	**49.7**	50.0	50.0		**99**	**99**	86-115	0	12	
Ethyl Benzene	**49.4**	**49.5**	50.0	50.0		**99**	**99**	86-117	0	12	
m,p-Xylene	**50.2**	**50.1**	50.0	50.0		**100**	**100**	85-118	0	12	
o-Xylene	**49.1**	**49.2**	50.0	50.0		**98**	**98**	86-115	0	11	
Surrogate:											
Fluorobenzene						*99*	*99*	*65-120*			

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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

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

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

Laboratory Number: 12-200

Company: Farallon
Project Number: 1295-001
Project Name: Endolyne Garden Apts
Project Manager: Lyndsey Hadlam
Sampled by: Greg Peters

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 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-1-121820	12/18/20	941	Water	3		X																				
2	FMW-2 121820		1240				X																				
3	FMW-3-121820		900				X																				
4	FMW-4-121820		1154				X																				
5	FMW-5-121820		1110				X																				
6	FMW-6-121820		1230				X																				
7	FMW-7-121820		1035				X																				

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		Farallon	12/18/20	1352	
Received		Speedy	12-18-20	1603	
Relinquished		Speedy	12-18-20	1755	
Received		OSE	12/18/20	1755	
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

October 6, 2020

Lyndsey Needham
Farallon Consulting, LLC
1201 Cornwall Avenue, Suite 105
Bellingham, WA 98225

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 2010-008

Dear Lyndsey:

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

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

Date of Report: October 6, 2020
Samples Submitted: October 1, 2020
Laboratory Reference: 2010-008
Project: 1295-001

Case Narrative

Samples were collected on September 30, 2020 and received by the laboratory on October 1, 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.

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

Date of Report: October 6, 2020
Samples Submitted: October 1, 2020
Laboratory Reference: 2010-008
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-1-093020**					
Laboratory ID:	10-008-01					
Benzene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Toluene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
o-Xylene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Gasoline	**ND**	100	NWTPH-Gx	10-5-20	10-5-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*86*	*65-120*				
Client ID:	**FMW-3-093020**					
Laboratory ID:	10-008-02					
Benzene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Toluene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
o-Xylene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Gasoline	**ND**	100	NWTPH-Gx	10-5-20	10-5-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*84*	*65-120*				
Client ID:	**FMW-4-093020**					
Laboratory ID:	10-008-03					
Benzene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Toluene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
o-Xylene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Gasoline	**ND**	100	NWTPH-Gx	10-5-20	10-5-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*65-120*				

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Date of Report: October 6, 2020
Samples Submitted: October 1, 2020
Laboratory Reference: 2010-008
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-5-093020**					
Laboratory ID:	10-008-04					
Benzene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Toluene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
o-Xylene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Gasoline	**350**	100	NWTPH-Gx	10-5-20	10-5-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*83*	*65-120*				
Client ID:	**FMW-6-093020**					
Laboratory ID:	10-008-05					
Benzene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Toluene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
o-Xylene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Gasoline	**ND**	100	NWTPH-Gx	10-5-20	10-5-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*84*	*65-120*				
Client ID:	**FMW-7-093020**					
Laboratory ID:	10-008-06					
Benzene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Toluene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
o-Xylene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Gasoline	**ND**	100	NWTPH-Gx	10-5-20	10-5-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*65-120*				

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Date of Report: October 6, 2020
Samples Submitted: October 1, 2020
Laboratory Reference: 2010-008
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1005W1					
Benzene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Toluene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
o-Xylene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Gasoline	**ND**	100	NWTPH-Gx	10-5-20	10-5-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*84*	*65-120*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	10-008-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*86*	*82*	*65-120*			
SPIKE BLANKS											
Laboratory ID:	SB1005W1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**46.1**	**43.8**	50.0	50.0		**92**	**88**	83-117	5	11	
Toluene	**47.9**	**45.6**	50.0	50.0		**96**	**91**	86-115	5	12	
Ethyl Benzene	**47.8**	**45.5**	50.0	50.0		**96**	**91**	86-117	5	12	
m,p-Xylene	**48.1**	**45.8**	50.0	50.0		**96**	**92**	85-118	5	12	
o-Xylene	**47.0**	**45.1**	50.0	50.0		**94**	**90**	86-115	4	11	
Surrogate:											
Fluorobenzene						*88*	*88*	*65-120*			

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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

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

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: 1295-001
Project Name: Endolyne Garden Apts
Project Manager: Lyndsey Needham
Sampled by: Matt Bowser

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 10-008

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-1-093020	9/30/20	1115	W	3		X																				
2	FMW-3-093020		1151	W	3		X																				
3	FMW-4-093020		1215	W	3		X																				
4	FMW-5-093020		1240	W	3		X																				
5	FMW-6-093020		1320	W	3		X																				
6	FMW-7-093020		1400	W	2		X																				
		MW3																									

	Signature	Company	Date	Time
Relinquished		Farallon	10/1/20	1330
Received		Speedy	10-1-20	1330
Relinquished		Speedy	10-1-20	1406
Received		OSE	10/1/20	1406
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 25, 2020

Lyndsey Needham
Farallon Consulting, LLC
1201 Cornwall Avenue, Suite 105
Bellingham, WA 98225

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 2006-264

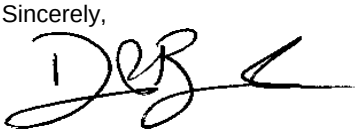
Dear Lyndsey:

Enclosed are the analytical results and associated quality control data for samples submitted on June 23, 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

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

Date of Report: June 25, 2020
Samples Submitted: June 23, 2020
Laboratory Reference: 2006-264
Project: 1295-001

Case Narrative

Samples were collected on June 22, 2020 and received by the laboratory on June 23, 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.

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

Date of Report: June 25, 2020
Samples Submitted: June 23, 2020
Laboratory Reference: 2006-264
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-2-062220**					
Laboratory ID:	06-264-01					
Benzene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Toluene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
o-Xylene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Gasoline	**ND**	100	NWTPH-Gx	6-24-20	6-24-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*89*	*65-120*				
Client ID:	**FMW-3-062220**					
Laboratory ID:	06-264-02					
Benzene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Toluene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
o-Xylene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Gasoline	**ND**	100	NWTPH-Gx	6-24-20	6-24-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*91*	*65-120*				
Client ID:	**FMW-6-062220**					
Laboratory ID:	06-264-03					
Benzene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Toluene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
o-Xylene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Gasoline	**ND**	100	NWTPH-Gx	6-24-20	6-24-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*65-120*				

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

Date of Report: June 25, 2020
Samples Submitted: June 23, 2020
Laboratory Reference: 2006-264
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-7-062220**					
Laboratory ID:	06-264-04					
Benzene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Toluene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
o-Xylene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Gasoline	**ND**	100	NWTPH-Gx	6-24-20	6-24-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*65-120*				
Client ID:	**FMW-4-062220**					
Laboratory ID:	06-264-05					
Benzene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Toluene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
o-Xylene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Gasoline	**ND**	100	NWTPH-Gx	6-24-20	6-24-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*74*	*65-120*				
Client ID:	**FMW-1-062220**					
Laboratory ID:	06-264-06					
Benzene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Toluene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
o-Xylene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Gasoline	**ND**	100	NWTPH-Gx	6-24-20	6-24-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*92*	*65-120*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: June 25, 2020
Samples Submitted: June 23, 2020
Laboratory Reference: 2006-264
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-5-062220**					
Laboratory ID:	06-264-07					
Benzene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Toluene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
o-Xylene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Gasoline	**750**	100	NWTPH-Gx	6-24-20	6-24-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*65-120*				

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

Date of Report: June 25, 2020
Samples Submitted: June 23, 2020
Laboratory Reference: 2006-264
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0624W2					
Benzene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Toluene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
o-Xylene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Gasoline	**ND**	100	NWTPH-Gx	6-24-20	6-24-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*92*	*65-120*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	06-244-02										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*75*	*74*	*65-120*			
SPIKE BLANKS											
Laboratory ID:	SB0624W1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**49.7**	**47.6**	50.0	50.0		**99**	**95**	83-117	4	11	
Toluene	**50.5**	**48.4**	50.0	50.0		**101**	**97**	86-115	4	12	
Ethyl Benzene	**50.8**	**48.6**	50.0	50.0		**102**	**97**	86-117	4	12	
m,p-Xylene	**50.0**	**47.7**	50.0	50.0		**100**	**95**	85-118	5	12	
o-Xylene	**50.3**	**48.4**	50.0	50.0		**101**	**97**	86-115	4	11	
Surrogate:											
Fluorobenzene						*96*	*96*	*65-120*			

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

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

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

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

Laboratory Number: 06-264

Company: FARALLON
Project Number: 1295-001
Project Name: Endolyne Garden Apts
Project Manager: Lyndsey Needham
Sampled by: Ken Scott

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 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-2-062220	6/22/20	1025	W	3		X																
2	FMW-3-062220		1100	W	3		X																
3	FMW-6-062220		1135	W	3		X																
4	FMW-7-062220		1213	W	3		X																
5	FMW-4-062220		1250	W	3		X																
6	FMW-~~3~~ 8-062220		1320	W	3		X																
7	FMW-5-062220	↓	1410	W	3		X																

	Signature	Company	Date	Time
Relinquished	Ken Scott	FARALLON	6/22/20	1600
Received		OSE	6/23/20	1430
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 27, 2020

Lyndsey Needham
Farallon Consulting, LLC
1201 Cornwall Avenue, Suite 105
Bellingham, WA 98225

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 2003-293

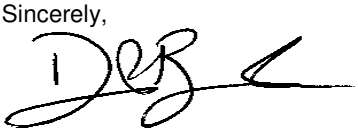
Dear Lyndsey:

Enclosed are the analytical results and associated quality control data for samples submitted on March 26, 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

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

Date of Report: March 27, 2020
Samples Submitted: March 26, 2020
Laboratory Reference: 2003-293
Project: 1295-001

Case Narrative

Samples were collected on March 25, 2020 and received by the laboratory on March 26, 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.

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

Date of Report: March 27, 2020
Samples Submitted: March 26, 2020
Laboratory Reference: 2003-293
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-7-032520**					
Laboratory ID:	03-293-01					
Benzene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
Toluene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
o-Xylene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
Gasoline	**ND**	100	NWTPH-Gx	3-26-20	3-26-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*90*	*59-122*				
Client ID:	**FMW-6-032520**					
Laboratory ID:	03-293-02					
Benzene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
Toluene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
o-Xylene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
Gasoline	**ND**	100	NWTPH-Gx	3-26-20	3-26-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*91*	*59-122*				
Client ID:	**FMW-5-032520**					
Laboratory ID:	03-293-03					
Benzene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
Toluene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
o-Xylene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
Gasoline	**530**	100	NWTPH-Gx	3-26-20	3-26-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*59-122*				

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

Date of Report: March 27, 2020
Samples Submitted: March 26, 2020
Laboratory Reference: 2003-293
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0326W2					
Benzene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
Toluene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
o-Xylene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
Gasoline	**ND**	100	NWTPH-Gx	3-26-20	3-26-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*59-122*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-262-02										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*92*	*93*	*59-122*			
SPIKE BLANKS											
Laboratory ID:	SB0326W1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**51.4**	**52.9**	50.0	50.0		**103**	**106**	76-120	3	11	
Toluene	**52.6**	**54.0**	50.0	50.0		**105**	**108**	80-116	3	12	
Ethyl Benzene	**52.7**	**53.8**	50.0	50.0		**105**	**108**	80-116	2	12	
m,p-Xylene	**52.8**	**53.3**	50.0	50.0		**106**	**107**	76-117	1	12	
o-Xylene	**51.6**	**52.5**	50.0	50.0		**103**	**105**	79-114	2	11	
Surrogate:											
Fluorobenzene						*96*	*93*	*59-122*			

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

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

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

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

Laboratory Number: 03-293

Company: FARALLON
Project Number: 1295-001
Project Name: Endolyne Garden Apts
Project Manager: Lyndsey Needham
Sampled by: Ken Scott

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 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-7-032520	3/25/20	1140	W	3		X																				
2	FMW-6-032520	↓	1212	W	3		X																				
3	FMW-5-032520	↓	1245	W	3		X																				

	Signature	Company	Date	Time
Relinquished	Ken Scott	FARALLON	3/25/20	1600
Received	DARIA LISEWSKI	OSE	3/26/20	1100
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

June 27, 2019

Lyndsey Needham
Farallon Consulting, LLC
1201 Cornwall Avenue, Suite 105
Bellingham, WA 98225

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 1906-180

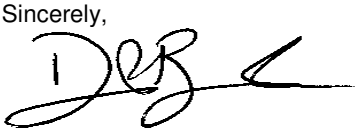
Dear Lyndsey:

Enclosed are the analytical results and associated quality control data for samples submitted on June 19, 2019.

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

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

Sincerely,



David Baumeister
Project Manager

Enclosures

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

Date of Report: June 27, 2019
Samples Submitted: June 19, 2019
Laboratory Reference: 1906-180
Project: 1295-001

Case Narrative

Samples were collected on June 18, 2019 and received by the laboratory on June 19, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

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

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

Date of Report: June 27, 2019
Samples Submitted: June 19, 2019
Laboratory Reference: 1906-180
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-6-061819**					
Laboratory ID:	06-180-01					
Benzene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
Toluene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
Ethyl Benzene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
m,p-Xylene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
o-Xylene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
Gasoline	**ND**	100	NWTPH-Gx	6-21-19	6-21-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*90*	*59-122*				
Client ID:	**FMW-7-061819**					
Laboratory ID:	06-180-02					
Benzene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
Toluene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
Ethyl Benzene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
m,p-Xylene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
o-Xylene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
Gasoline	**ND**	100	NWTPH-Gx	6-21-19	6-21-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*89*	*59-122*				
Client ID:	**FMW-5-061819**					
Laboratory ID:	06-180-03					
Benzene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
Toluene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
Ethyl Benzene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
m,p-Xylene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
o-Xylene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
Gasoline	**890**	100	NWTPH-Gx	6-21-19	6-21-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*59-122*				

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

Date of Report: June 27, 2019
Samples Submitted: June 19, 2019
Laboratory Reference: 1906-180
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0621W1					
Benzene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
Toluene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
Ethyl Benzene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
m,p-Xylene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
o-Xylene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
Gasoline	**ND**	100	NWTPH-Gx	6-21-19	6-21-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*59-122*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	06-180-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*90*	*90*	*59-122*			
SPIKE BLANKS											
Laboratory ID:	SB0621W1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**51.2**	**53.1**	50.0	50.0		**102**	**106**	76-120	4	11	
Toluene	**52.8**	**54.1**	50.0	50.0		**106**	**108**	80-116	2	12	
Ethyl Benzene	**52.8**	**54.3**	50.0	50.0		**106**	**109**	80-116	3	12	
m,p-Xylene	**51.4**	**53.0**	50.0	50.0		**103**	**106**	76-117	3	12	
o-Xylene	**51.9**	**53.1**	50.0	50.0		**104**	**106**	79-114	2	11	
Surrogate:											
Fluorobenzene						*96*	*96*	*59-122*			

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

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

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

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
Project Number: 1295-001
Project Name: ENDOLYNE GARDEN APTS
Project Manager: LYNDSEY NEEDHAM
Sampled by: Ken Scott

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 06-180

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-6-061819	6/18/19	1218	W	3		X																				
2	FMW-7-061819	↓	1255	W	3		X																				
3	FMW-5-061819	↓	1335	W	3		X																				

KS

	Signature	Company	Date	Time
Relinquished	Ken Scott	FARALLON	6/18/19	1630
Received		ONE	6/19/19	1136
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

April 3, 2019

Lyndsey Needham
Farallon Consulting, LLC
1201 Cornwall Avenue, Suite 105
Bellingham, WA 98225

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 1903-297

Dear Lyndsey:

Enclosed are the analytical results and associated quality control data for samples submitted on March 29, 2019.

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

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

Sincerely,

David Baumeister
Project Manager

Enclosures

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

Date of Report: April 3, 2019
Samples Submitted: March 29, 2019
Laboratory Reference: 1903-297
Project: 1295-001

Case Narrative

Samples were collected on March 29, 2019 and received by the laboratory on March 29, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

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

NWTPH Gx/BTEX Analysis

The chromatogram for sample FMW-1-032919 is similar to mineral spirits.

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

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

Date of Report: April 3, 2019
Samples Submitted: March 29, 2019
Laboratory Reference: 1903-297
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-2-032919**					
Laboratory ID:	03-297-01					
Benzene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Toluene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Ethyl Benzene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
o-Xylene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Gasoline	**ND**	100	NWTPH-Gx	3-30-19	3-30-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*106*	*66-117*				
Client ID:	**FMW-3-032919**					
Laboratory ID:	03-297-02					
Benzene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Toluene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Ethyl Benzene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
o-Xylene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Gasoline	**ND**	100	NWTPH-Gx	3-30-19	3-30-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*100*	*66-117*				
Client ID:	**FMW-6-032919**					
Laboratory ID:	03-297-03					
Benzene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Toluene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Ethyl Benzene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
o-Xylene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Gasoline	**ND**	100	NWTPH-Gx	3-30-19	3-30-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*101*	*66-117*				

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

Date of Report: April 3, 2019
Samples Submitted: March 29, 2019
Laboratory Reference: 1903-297
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-7-032919**					
Laboratory ID:	03-297-04					
Benzene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Toluene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Ethyl Benzene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
o-Xylene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Gasoline	**ND**	100	NWTPH-Gx	3-30-19	3-30-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*100*	*66-117*				
Client ID:	**FMW-4-032919**					
Laboratory ID:	03-297-05					
Benzene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Toluene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Ethyl Benzene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
o-Xylene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Gasoline	**ND**	100	NWTPH-Gx	3-30-19	3-30-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*104*	*66-117*				
Client ID:	**FMW-1-032919**					
Laboratory ID:	03-297-06					
Benzene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Toluene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Ethyl Benzene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
o-Xylene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Gasoline	**270**	100	NWTPH-Gx	3-30-19	3-30-19	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*101*	*66-117*				

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

Date of Report: April 3, 2019
Samples Submitted: March 29, 2019
Laboratory Reference: 1903-297
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-5-032919**					
Laboratory ID:	03-297-07					
Benzene	**ND**	4.0	EPA 8021B	3-30-19	3-30-19	
Toluene	**ND**	4.0	EPA 8021B	3-30-19	3-30-19	
Ethyl Benzene	**ND**	4.0	EPA 8021B	3-30-19	3-30-19	
m,p-Xylene	**ND**	4.0	EPA 8021B	3-30-19	3-30-19	
o-Xylene	**ND**	4.0	EPA 8021B	3-30-19	3-30-19	
Gasoline	**1100**	400	NWTPH-Gx	3-30-19	3-30-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*102*	*66-117*				

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

Date of Report: April 3, 2019
Samples Submitted: March 29, 2019
Laboratory Reference: 1903-297
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0330W2					
Benzene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Toluene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Ethyl Benzene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
o-Xylene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Gasoline	**ND**	100	NWTPH-Gx	3-30-19	3-30-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*79*	*66-117*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-279-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*79*	*86*	*66-117*			
SPIKE BLANKS											
Laboratory ID:	SB0330W1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**46.3**	**47.4**	50.0	50.0		**93**	**95**	82-122	2	11	
Toluene	**44.9**	**46.2**	50.0	50.0		**90**	**92**	83-123	3	12	
Ethyl Benzene	**45.9**	**47.4**	50.0	50.0		**92**	**95**	83-123	3	12	
m,p-Xylene	**46.1**	**47.4**	50.0	50.0		**92**	**95**	83-123	3	12	
o-Xylene	**46.4**	**47.8**	50.0	50.0		**93**	**96**	83-123	3	11	
Surrogate:											
Fluorobenzene						*108*	*105*	*66-117*			

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

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 method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z - The sample chromatogram is similar to mineral spirits.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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

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: 1295-001
Project Name: ENdolyNe GarDeN Apts
Project Manager: LyNdsey NeedhAM
Sampled by: Ken Smith

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 03-297

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-2-032919	3/29/19	925	W	3		X																
2	FMW-3-032919		955	W	3		X																
3	FMW-6-032919		1027	W	3		X																
4	FMW-7-032919		1105	W	3		X																
5	FMW-4-032919		1145	W	3		X																
6	FMW-1-032919		1225	W	3		X																
7	FMW-5-032919	↓	1305	W	3		X																
							X5																

	Signature	Company	Date	Time
Relinquished	Ken Smith	FARALLON	3/29/19	1435
Received	Kaleb Liscom	GSE	3/29/19	1435
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

December 17, 2018

Tad Cline
Farallon Consulting, LLC
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 1812-115

Dear Tad:

Enclosed are the analytical results and associated quality control data for samples submitted on December 12, 2018.

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

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

Date of Report: December 17, 2018
Samples Submitted: December 12, 2018
Laboratory Reference: 1812-115
Project: 1295-001

Case Narrative

Samples were collected on December 11, 2018 and received by the laboratory on December 12, 2018. 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.

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

Date of Report: December 17, 2018
Samples Submitted: December 12, 2018
Laboratory Reference: 1812-115
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-2-121118**					
Laboratory ID:	12-115-01					
Benzene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Toluene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
o-Xylene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Gasoline	**ND**	100	NWTPH-Gx	12-12-18	12-12-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*84*	*66-117*				
Client ID:	**FMW-3-121118**					
Laboratory ID:	12-115-02					
Benzene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Toluene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
o-Xylene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Gasoline	**ND**	100	NWTPH-Gx	12-12-18	12-12-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*66-117*				
Client ID:	**FMW-4-121118**					
Laboratory ID:	12-115-03					
Benzene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Toluene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
o-Xylene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Gasoline	**ND**	100	NWTPH-Gx	12-12-18	12-12-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*83*	*66-117*				

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

Date of Report: December 17, 2018
Samples Submitted: December 12, 2018
Laboratory Reference: 1812-115
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-6-121118**					
Laboratory ID:	12-115-04					
Benzene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Toluene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
o-Xylene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Gasoline	**ND**	100	NWTPH-Gx	12-12-18	12-12-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*66-117*				
Client ID:	**FMW-7-121118**					
Laboratory ID:	12-115-05					
Benzene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Toluene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
o-Xylene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Gasoline	**ND**	100	NWTPH-Gx	12-12-18	12-12-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*86*	*66-117*				
Client ID:	**FMW-1-121118**					
Laboratory ID:	12-115-06					
Benzene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Toluene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
o-Xylene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Gasoline	**ND**	100	NWTPH-Gx	12-12-18	12-12-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*66-117*				

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

Date of Report: December 17, 2018
Samples Submitted: December 12, 2018
Laboratory Reference: 1812-115
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-5-121118**					
Laboratory ID:	12-115-07					
Benzene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Toluene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Ethyl Benzene	**3.4**	1.0	EPA 8021B	12-12-18	12-12-18	
m,p-Xylene	**3.0**	1.0	EPA 8021B	12-12-18	12-12-18	
o-Xylene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Gasoline	**1500**	100	NWTPH-Gx	12-12-18	12-12-18	O
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*77*	*66-117*				

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

Date of Report: December 17, 2018
Samples Submitted: December 12, 2018
Laboratory Reference: 1812-115
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1212W2					
Benzene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Toluene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
o-Xylene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Gasoline	**ND**	100	NWTPH-Gx	12-12-18	12-12-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*86*	*66-117*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	12-074-09										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*85*	*85*	*66-117*			
MATRIX SPIKES											
Laboratory ID:	12-074-07										
	MS	MSD	MS	MSD		MS	MSD				
Benzene	**47.0**	**49.7**	50.0	50.0	ND	**94**	**99**	82-122	6	11	
Toluene	**47.8**	**50.6**	50.0	50.0	ND	**96**	**101**	83-123	6	12	
Ethyl Benzene	**48.5**	**51.4**	50.0	50.0	ND	**97**	**103**	83-123	6	12	
m,p-Xylene	**48.0**	**51.0**	50.0	50.0	ND	**96**	**102**	83-123	6	12	
o-Xylene	**48.2**	**51.0**	50.0	50.0	ND	**96**	**102**	83-123	6	11	
Surrogate:											
Fluorobenzene						*81*	*85*	*66-117*			

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

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 method 8260C, 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

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

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

Page 1 of 1

Company: FARALLON
Project Number: 1295-001
Project Name: Endolyne Garden Apts
Project Manager: Tad Cline
Sampled by: Ken Smith

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 12-115

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-2-121118	12/4/18	1002	W	3		X																				
2	FMW-3-121118		1030	W	3		X																				
3	FMW-4-121118		1105	W	3		X																				
4	FMW-6-121118		1130	W	3		X																				
5	FMW-7-121118		1210	W	3		X																				
6	FMW-1-121118		1235	W	3		X																				
7	FMW-5-121118		1310	W	3		X																				
							(2K5)																				

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished	Ken Smith	FARALLON	12/11/18	1630	
Received		GSE	12/12/18	1045	
Relinquished					
Received					
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

September 13, 2018

Tad Cline
Farallon Consulting, LLC
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 1809-021

Dear Tad:

Enclosed are the analytical results and associated quality control data for samples submitted on September 5, 2018.

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

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

Date of Report: September 13, 2018
Samples Submitted: September 5, 2018
Laboratory Reference: 1809-021
Project: 1295-001

Case Narrative

Samples were collected on September 4, 2018 and received by the laboratory on September 5, 2018. 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.

Sulfate ASTM D516-07 Analysis

The PQL's were increased for samples FMW-1-090418 (09-021-01) and FMW-5-090418 (09-021-04) due to sample interference.

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

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

Date of Report: September 13, 2018
Samples Submitted: September 5, 2018
Laboratory Reference: 1809-021
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-1-090418**					
Laboratory ID:	09-021-01					
Benzene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
Toluene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
o-Xylene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
Gasoline	**150**	100	NWTPH-Gx	9-7-18	9-7-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*86*	*66-117*				
Client ID:	**FMW-4-090418**					
Laboratory ID:	09-021-02					
Benzene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
Toluene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
o-Xylene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
Gasoline	**220**	100	NWTPH-Gx	9-7-18	9-7-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*89*	*66-117*				
Client ID:	**FMW-6-090418**					
Laboratory ID:	09-021-03					
Benzene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
Toluene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
o-Xylene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
Gasoline	**ND**	100	NWTPH-Gx	9-7-18	9-7-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*66-117*				

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

Date of Report: September 13, 2018
Samples Submitted: September 5, 2018
Laboratory Reference: 1809-021
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-5-090418**					
Laboratory ID:	09-021-04					
Benzene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
Toluene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
Ethyl Benzene	**2.4**	1.0	EPA 8021B	9-7-18	9-7-18	
m,p-Xylene	**2.1**	1.0	EPA 8021B	9-7-18	9-7-18	
o-Xylene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
Gasoline	**1200**	100	NWTPH-Gx	9-7-18	9-7-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*88*	*66-117*				

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Date of Report: September 13, 2018
Samples Submitted: September 5, 2018
Laboratory Reference: 1809-021
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0907W1					
Benzene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
Toluene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
o-Xylene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
Gasoline	**ND**	100	NWTPH-Gx	9-7-18	9-7-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*89*	*66-117*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	09-021-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**153**	**125**	NA	NA		NA		NA	20	30	
Surrogate:											
Fluorobenzene						*86*	*87*	*66-117*			
MATRIX SPIKES											
Laboratory ID:	09-021-01										
	MS	MSD	MS	MSD		MS	MSD				
Benzene	**48.5**	**50.8**	50.0	50.0	ND	**97**	**102**	82-122	5	11	
Toluene	**47.7**	**49.8**	50.0	50.0	ND	**95**	**100**	83-123	4	12	
Ethyl Benzene	**48.4**	**50.5**	50.0	50.0	ND	**97**	**101**	83-123	4	12	
m,p-Xylene	**48.0**	**50.3**	50.0	50.0	ND	**96**	**101**	83-123	5	12	
o-Xylene	**48.0**	**50.2**	50.0	50.0	ND	**96**	**100**	83-123	4	11	
Surrogate:											
Fluorobenzene						*92*	*93*	*66-117*			

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Date of Report: September 13, 2018
Samples Submitted: September 5, 2018
Laboratory Reference: 1809-021
Project: 1295-001

TOTAL IRON
EPA 6010D

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-1-090418**					
Laboratory ID:	09-021-01					
Iron	**10000**	56	EPA 6010D	9-6-18	9-7-18	
Client ID:	**FMW-4-090418**					
Laboratory ID:	09-021-02					
Iron	**8300**	56	EPA 6010D	9-6-18	9-7-18	
Client ID:	**FMW-6-090418**					
Laboratory ID:	09-021-03					
Iron	**4900**	56	EPA 6010D	9-6-18	9-7-18	
Client ID:	**FMW-5-090418**					
Laboratory ID:	09-021-04					
Iron	**14000**	56	EPA 6010D	9-6-18	9-7-18	

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Date of Report: September 13, 2018
Samples Submitted: September 5, 2018
Laboratory Reference: 1809-021
Project: 1295-001

TOTAL IRON
EPA 6010D
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0906WM1					
Iron	**ND**	56	EPA 6010D	9-6-18	9-6-18	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	09-009-01										
	ORIG	DUP									
Iron	**ND**	**ND**	NA	NA		NA		NA	NA	20	
MATRIX SPIKES											
Laboratory ID:	09-009-01										
	MS	MSD	MS	MSD		MS	MSD				
Iron	**21700**	**22700**	22200	22200	ND	**98**	**102**	75-125	4	20	

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Date of Report: September 13, 2018
Samples Submitted: September 5, 2018
Laboratory Reference: 1809-021
Project: 1295-001

DISSOLVED IRON
EPA 6010D

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-1-090418**					
Laboratory ID:	09-021-01					
Iron	**1400**	56	EPA 6010D		9-7-18	
Client ID:	**FMW-4-090418**					
Laboratory ID:	09-021-02					
Iron	**2000**	56	EPA 6010D		9-7-18	
Client ID:	**FMW-6-090418**					
Laboratory ID:	09-021-03					
Iron	**480**	56	EPA 6010D		9-7-18	
Client ID:	**FMW-5-090418**					
Laboratory ID:	09-021-04					
Iron	**1900**	56	EPA 6010D		9-7-18	

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Date of Report: September 13, 2018
Samples Submitted: September 5, 2018
Laboratory Reference: 1809-021
Project: 1295-001

DISSOLVED IRON
EPA 6010D
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0906D1					
Iron	**ND**	56	EPA 6010D		9-7-18	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	08-373-01										
	ORIG	DUP									
Iron	**ND**	**ND**	NA	NA		NA		NA	NA	20	
MATRIX SPIKES											
Laboratory ID:	08-373-01										
	MS	MSD	MS	MSD		MS	MSD				
Iron	**23500**	**23300**	22200	22200	ND	**106**	**105**	75-125	1	20	

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Date of Report: September 13, 2018
Samples Submitted: September 5, 2018
Laboratory Reference: 1809-021
Project: 1295-001

SULFATE
ASTM D516-07

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-1-090418**					
Laboratory ID:	09-021-01					
Sulfate	**ND**	20	ASTM D516-07	9-11-18	9-11-18	
Client ID:	**FMW-4-090418**					
Laboratory ID:	09-021-02					
Sulfate	**19**	10	ASTM D516-07	9-11-18	9-11-18	
Client ID:	**FMW-6-090418**					
Laboratory ID:	09-021-03					
Sulfate	**19**	5.0	ASTM D516-07	9-11-18	9-11-18	
Client ID:	**FMW-5-090418**					
Laboratory ID:	09-021-04					
Sulfate	**ND**	50	ASTM D516-07	9-11-18	9-11-18	

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Date of Report: September 13, 2018
Samples Submitted: September 5, 2018
Laboratory Reference: 1809-021
Project: 1295-001

SULFATE
ASTM D516-07
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0911W1					
Sulfate	**ND**	5.0	ASTM D516-07	9-11-18	9-11-18	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	09-021-03							
	ORIG DUP							
Sulfate	**18.8** **18.7**	NA	NA	NA	NA	1	9	
MATRIX SPIKE								
Laboratory ID:	09-021-03							
	MS	MS		MS				
Sulfate	**38.4**	20.0	18.8	98	82-127	NA	NA	
SPIKE BLANK								
Laboratory ID:	SB0911W1							
	SB	SB		SB				
Sulfate	**9.69**	10.0	NA	97	91-109	NA	NA	

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

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 method 8260C, 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

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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: 1295-001
Project Name: Endolyne Garden Apts
Project Manager: Tad Cline
Sampled by: Ken Scott

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 09-021

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	Total Iron	Dissolved Iron	Sulfate		% Moisture
1	FMW-1-090418	9/4/18	1133	W	6		X																X	X	X		
2	FMW-4-090418		1217	W	6		X																X	X	X		
3	FMW-6-090418		1250	W	6		X																X	X	X		
4	FMW-5-090418		1335	W	6		X																X	X	X		

K's

	Signature	Company	Date	Time
Relinquished	Ken Scott	FARALLON	9/4/18	1715
Received		ORE	9/5/18	1110
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
The dissolved ~~metal~~ samples were all field filtered.

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

August 1, 2018

Tad Cline
Farallon Consulting, LLC
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 1807-160

Dear Tad:

Enclosed are the analytical results and associated quality control data for samples submitted on July 24, 2018.

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

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

Date of Report: August 1, 2018
Samples Submitted: July 24, 2018
Laboratory Reference: 1807-160
Project: 1295-001

Case Narrative

Samples were collected on July 23, 2018 and received by the laboratory on July 24, 2018. 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.

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

Date of Report: August 1, 2018
Samples Submitted: July 24, 2018
Laboratory Reference: 1807-160
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-3-072318**					
Laboratory ID:	07-160-01					
Benzene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Toluene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
o-Xylene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Gasoline	**ND**	100	NWTPH-Gx	7-26-18	7-26-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*66-117*				
Client ID:	**FMW-1-072318**					
Laboratory ID:	07-160-02					
Benzene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Toluene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
o-Xylene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Gasoline	**ND**	100	NWTPH-Gx	7-26-18	7-26-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*66-117*				
Client ID:	**FMW-6-072318**					
Laboratory ID:	07-160-03					
Benzene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Toluene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
o-Xylene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Gasoline	**ND**	100	NWTPH-Gx	7-26-18	7-26-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*91*	*66-117*				

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

Date of Report: August 1, 2018
Samples Submitted: July 24, 2018
Laboratory Reference: 1807-160
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-4-072318**					
Laboratory ID:	07-160-04					
Benzene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Toluene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
o-Xylene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Gasoline	**ND**	100	NWTPH-Gx	7-26-18	7-26-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*87*	*66-117*				
Client ID:	**FMW-5-072318**					
Laboratory ID:	07-160-05					
Benzene	**1.6**	1.0	EPA 8021B	7-26-18	7-26-18	
Toluene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
o-Xylene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Gasoline	**1100**	100	NWTPH-Gx	7-26-18	7-26-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*97*	*66-117*				

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

Date of Report: August 1, 2018
Samples Submitted: July 24, 2018
Laboratory Reference: 1807-160
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0726W2					
Benzene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Toluene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
o-Xylene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Gasoline	**ND**	100	NWTPH-Gx	7-26-18	7-26-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*99*	*66-117*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	07-160-03										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*91*	*87*	*66-117*			
MATRIX SPIKES											
Laboratory ID:	07-160-01										
	MS	MSD	MS	MSD		MS	MSD				
Benzene	**50.9**	**51.2**	50.0	50.0	ND	**102**	**102**	82-122	1	11	
Toluene	**49.4**	**49.5**	50.0	50.0	ND	**99**	**99**	83-123	0	12	
Ethyl Benzene	**48.8**	**48.9**	50.0	50.0	ND	**98**	**98**	83-123	0	12	
m,p-Xylene	**47.9**	**47.8**	50.0	50.0	ND	**96**	**96**	83-123	0	12	
o-Xylene	**48.7**	**49.2**	50.0	50.0	ND	**97**	**98**	83-123	1	11	
Surrogate:											
Fluorobenzene						*96*	*93*	*66-117*			

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

Date of Report: August 1, 2018
Samples Submitted: July 24, 2018
Laboratory Reference: 1807-160
Project: 1295-001

SULFATE
ASTM D516-07

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-1-072318**					
Laboratory ID:	07-160-02					
Sulfate	**ND**	5.0	ASTM D516-07	7-25-18	7-25-18	
Client ID:	**FMW-6-072318**					
Laboratory ID:	07-160-03					
Sulfate	**9.4**	5.0	ASTM D516-07	7-25-18	7-25-18	
Client ID:	**FMW-4-072318**					
Laboratory ID:	07-160-04					
Sulfate	**10**	5.0	ASTM D516-07	7-25-18	7-25-18	
Client ID:	**FMW-5-072318**					
Laboratory ID:	07-160-05					
Sulfate	**ND**	5.0	ASTM D516-07	7-25-18	7-25-18	

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

Date of Report: August 1, 2018
Samples Submitted: July 24, 2018
Laboratory Reference: 1807-160
Project: 1295-001

SULFATE
ASTM D516-07
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0725W1					
Sulfate	**ND**	5.0	ASTM D516-07	7-25-18	7-25-18	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	07-160-03								
	ORIG	DUP							
Sulfate	**9.43**	**9.89**	NA	NA	NA	NA	5	9	
MATRIX SPIKE									
Laboratory ID:	07-160-03								
	MS		MS		MS				
Sulfate	**19.8**		10.0	9.43	104	82-127	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB0725W1								
	SB		SB		SB				
Sulfate	**10.3**		10.0	NA	103	91-109	NA	NA	

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

Date of Report: August 1, 2018
Samples Submitted: July 24, 2018
Laboratory Reference: 1807-160
Project: 1295-001

TOTAL METALS
EPA 200.8/6010D

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-3-072318**					
Laboratory ID:	07-160-01					
Lead	**1.8**	1.1	EPA 200.8	7-26-18	7-26-18	
Client ID:	**FMW-1-072318**					
Laboratory ID:	07-160-02					
Iron	**12000**	56	EPA 6010D	7-26-18	7-26-18	
Lead	**6.3**	1.1	EPA 200.8	7-26-18	7-26-18	
Client ID:	**FMW-6-072318**					
Laboratory ID:	07-160-03					
Iron	**300**	56	EPA 6010D	7-26-18	7-26-18	
Manganese	**1500**	11	EPA 6010D	7-26-18	7-26-18	
Client ID:	**FMW-4-072318**					
Laboratory ID:	07-160-04					
Iron	**8300**	56	EPA 6010D	7-26-18	7-26-18	
Manganese	**2100**	11	EPA 6010D	7-26-18	7-26-18	
Client ID:	**FMW-5-072318**					
Laboratory ID:	07-160-05					
Iron	**6600**	56	EPA 6010D	7-26-18	7-26-18	
Manganese	**1400**	11	EPA 6010D	7-26-18	7-26-18	

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

Date of Report: August 1, 2018
Samples Submitted: July 24, 2018
Laboratory Reference: 1807-160
Project: 1295-001

TOTAL METALS
EPA 200.8/6010D
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0726WM1					
Lead	**ND**	1.1	EPA 200.8	7-26-18	7-26-18	
Laboratory ID:	MB0726WM1					
Iron	**ND**	56	EPA 6010D	7-26-18	7-26-18	
Manganese	**ND**	11	EPA 6010D	7-26-18	7-26-18	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	07-118-02										
	ORIG	DUP									
Lead	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Laboratory ID:	07-118-02										
Iron	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Manganese	**ND**	**ND**	NA	NA		NA		NA	NA	20	
MATRIX SPIKES											
Laboratory ID:	07-118-02										
	MS	MSD	MS	MSD		MS	MSD				
Lead	**249**	**247**	222	222	ND	**112**	**111**	75-125	1	20	
Laboratory ID:	07-118-02										
Iron	**21800**	**22000**	22200	22200	ND	**98**	**99**	75-125	1	20	
Manganese	**220**	**226**	222	222	ND	**99**	**102**	75-125	2	20	

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

Date of Report: August 1, 2018
Samples Submitted: July 24, 2018
Laboratory Reference: 1807-160
Project: 1295-001

DISSOLVED METALS
EPA 200.8/6010D

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-3-072318**					
Laboratory ID:	07-160-01					
Lead	**ND**	1.0	EPA 200.8		7-26-18	
Client ID:	**FMW-1-072318**					
Laboratory ID:	07-160-02					
Iron	**1800**	56	EPA 6010D		7-26-18	
Lead	**ND**	1.0	EPA 200.8		7-26-18	
Client ID:	**FMW-6-072318**					
Laboratory ID:	07-160-03					
Iron	**93**	56	EPA 6010D		7-26-18	
Manganese	**1400**	11	EPA 6010D		7-26-18	
Client ID:	**FMW-4-072318**					
Laboratory ID:	07-160-04					
Iron	**760**	56	EPA 6010D		7-26-18	
Manganese	**340**	11	EPA 6010D		7-26-18	
Client ID:	**FMW-5-072318**					
Laboratory ID:	07-160-05					
Iron	**3500**	56	EPA 6010D		7-26-18	
Manganese	**1100**	11	EPA 6010D		7-26-18	

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

Date of Report: August 1, 2018
Samples Submitted: July 24, 2018
Laboratory Reference: 1807-160
Project: 1295-001

DISSOLVED METALS
EPA 200.8/6010D
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0726D1					
Lead	**ND**	1.0	EPA 200.8		7-26-18	
Laboratory ID:	MB0726D1					
Iron	**ND**	56	EPA 6010D		7-26-18	
Manganese	**ND**	11	EPA 6010D		7-26-18	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	07-160-02										
	ORIG	DUP									
Lead	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Laboratory ID:	07-160-01										
Iron	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Manganese	**ND**	**ND**	NA	NA		NA		NA	NA	20	
MATRIX SPIKES											
Laboratory ID:	07-160-02										
	MS	MSD	MS	MSD		MS	MSD				
Lead	**198**	**206**	200	200	ND	**99**	**103**	75-125	4	20	
Laboratory ID:	07-160-01										
Iron	**24500**	**24500**	22200	22200	ND	**111**	**111**	75-125	0	20	
Manganese	**595**	**589**	556	556	ND	**107**	**106**	75-125	1	20	

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

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 method 8260C, 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

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

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: 1295-001
Project Name: Endolyne Garden Apts
Project Manager: TAD CLINE
Sampled by: Ken Scott

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: 07-160

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	Sulfate 375.4	Total & dissolved lead 200.8	Total & dissolved iron 200.8	Total & dissolved manganese 200.8	% Moisture
1	FMW-3-072318	7/23/18	1048	W	5		X																X	X	X	X	
2	FMW-1-072318		1125	W	6		X																X	X	X	X	
3	FMW-6-072318		1247	W			X																X	X	X	X	
4	FMW-4-072319		1330	W			X																X	X	X	X	
5	FMW-5-072318		1410	W			X																X	X	X	X	

	Signature	Company	Date	Time
Relinquished	Ken Scott	FARALLON	7/23/18	1715
Received		O&E	7/24/18	1100
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

All dissolved metal samples were field filtered

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Electronic Copy

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
Northwest Regional Office • PO Box 330316 • Shoreline, Washington 98133-9716 • (206) 594-0000
711 for Washington Relay Service • Persons with a speech disability can call 877-833-6341

January 20, 2022

Steve Lazoff
Endolyne Gardens LLC
2143 N Northlake Way, # C1
Seattle, WA 98103
(slazoff99@gmail.com)

Re: Opinion pursuant to WAC 173-340-515(5) on Remedial Action for the following Hazardous Waste Site:

- **Site Name:** 45th Ave SW Apartments
- **Site Address:** 9212 45th Ave SW, Seattle WA 98136
- **Facility/Site No.:** 71883959
- **Cleanup Site ID No.:** 10264
- **VCP Project No.:** NW2809

Dear Steve Lazoff:

The Washington State Department of Ecology (Ecology) received your request for an opinion on the *Draft Remedial Action Report* (*DRAP*) dated August 19, 2021 regarding the 45th Ave SW Apartments facility (Site), also known as the Endolyne Garden Apartments. This letter provides our opinion. We are providing this opinion under the authority of the Model Toxics Control Act (MTCA), Chapter 70A.305 RCW.

Issue Presented and Opinion

Is the No Further Action (NFA) request proposed in the *DRAP* sufficiently documented per MTCA requirements by Site information presented to date?

NO. Ecology has determined that additional information is needed to support consideration of a Property or Site NFA, including delineation of soil remaining in place with concentrations above MTCA Method A cleanup levels, and post-treatment confirmation of a stable or decreasing groundwater contaminant plume.

Description of the Site

This opinion applies only to the Site described below. The Site is defined by the nature and extent of contamination associated with the following releases:

- Benzene and total petroleum hydrocarbons as gasoline (TPH-G) into the Soil and Groundwater.

Enclosure A includes a diagram of the Site, as currently known to Ecology.

Please note a parcel of real property can be affected by multiple sites. At this time, we have no information that the parcel(s) associated with this Site are affected by other sites.

Basis for the Opinion

This opinion is based on the information contained in the documents listed in **Enclosure B**. A number of these documents are accessible in electronic form from the Site web page[1]. The complete records are kept in the Central Files of the Northwest Regional Office of Ecology (NWRO) for review by appointment only. Visit our Public Records Request page[2] to submit a public records request or get more information about the process. If you require assistance with this process, you may contact the Public Records Officer at publicrecordsofficer@ecy.wa.gov or 360-407-6040.

This opinion is void if any of the information contained in those documents is materially false or misleading.

Analysis and Opinion

Based on a review of the *DRAP*, Ecology has determined:

- Ecology appreciates the characterization and cleanup progress accomplished at the Site, especially given the physical constraints of working around the buildings that occupy most of the property.

- Groundwater monitoring data have confirmed the beneficial effects of chemical treatment conducted at the Site from 2018 through 2020 (two chemical injection events followed by placement of in-well treatment "socks").

- In order for Ecology to consider a Property or Site No Further Action (NFA) opinion, the following issues need to be resolved:

    - Complete an appropriate level of Terrestrial Ecological Evaluation (TEE) to

[1] https://apps.ecology.wa.gov/gsp/Sitepage.aspx?csid=10264
[2] https://ecology.wa.gov/publicrecords

determine if Site soil cleanup levels need to be adjusted, and submit the completed TEE forms to Ecology.

- Once appropriate Site soil cleanup levels are confirmed, prepare a plan view map and a hydrogeologic cross section (through monitoring wells FMW-6, FMW-5, MFW-1, and FMW-3) that shows the present extent of soils with concentrations of contaminants above cleanup levels.

- Continue quarterly groundwater sampling of monitoring wells FMW-5 and FMW-6, to determine if the post-treatment contaminant plume is stable or decreasing, and to document the absence of contaminant rebound. Enter new data into EIM. Prepare and maintain a time-series plot of TPH-G concentrations in FMW-5, including labeling of chemical treatment events (injections and sock placement/removal) and comparison with the MTCA Method A cleanup level.

- Show the present extent of groundwater with concentrations of contaminants above Method A cleanup levels on a plan view map on the hydrogeologic cross section.

- Use groundwater monitoring data to demonstrate that the vapor intrusion (VI) exposure pathway is not present at the Site, per the Ecology VI guidance[3].

- Determine if an empirical demonstration[4] (using data from monitoring wells FMW-5 and FMW-6) can be used to show that residual soil concentrations of TPH-G are protective of both groundwater quality and direct contact, and that the Site is eligible for a NFA opinion without an Environmental Covenant.

- If the Site is eligible for a Site NFA, determine if the Site qualifies for a Groundwater Model Remedy[5] and therefore does not require a Feasibility Study and Disproportionate Cost Analysis.

Limitations of the Opinion

1. Opinion does not settle liability with the state.

Liable persons are strictly liable, jointly and severally, for all remedial action costs and for all natural resource damages resulting from the release or releases of hazardous substances at the Site. This opinion **does not**:

[3] https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Vapor-intrusion-overview
[4] https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Empirical-demonstrations-MTCA
[5] https://apps.ecology.wa.gov/publications/SummaryPages/1609057.html

- Resolve or alter a person's liability to the state.
- Protect liable persons from contribution claims by third parties.

To settle liability with the state and obtain protection from contribution claims, a person must enter into a consent decree with Ecology under RCW 70A.305.040(4).

2. Opinion does not constitute a determination of substantial equivalence.

To recover remedial action costs from other liable persons under MTCA, one must demonstrate that the action is the substantial equivalent of an Ecology-conducted or Ecology-supervised action. This opinion does not determine whether the action you performed is substantially equivalent. Courts make that determination. *See* RCW 70A.305.080 and WAC 173-340-545.

3. State is immune from liability.

The state, Ecology, and its officers and employees are immune from all liability, and no cause of action of any nature may arise from any act or omission in providing this opinion. *See* RCW 70A.305.170(6).

Contact Information

Thank you for choosing to clean up the Site under the Voluntary Cleanup Program (VCP). After you have addressed our concerns, you may request another review of your cleanup. Please do not hesitate to request additional services as your cleanup progresses. We look forward to working with you.

For more information about the VCP and the cleanup process, please visit our web site: www.ecy.wa.gov/vcp. If you have any questions about this opinion, please contact me by phone at 206-594-0121 or e-mail at michael.warfel@ecy.wa.gov.

Sincerely,

Michael R. Warfel

Michael R. Warfel, VCP Site Manager
NWRO Toxics Cleanup Program

Enclosures (2): A –Diagram of the Site
B – Basis for the Opinion: List of Documents

cc: Lyndsey Needham, Farallon Consulting (lneedham@farallonconsulting.com)
Sonia Fernandez, Ecology, (sonia.fernandez@ecy.wa.gov)

Enclosure A

Diagram of the Site

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- WATER LINE
- SANITARY SEWER
- STORM DRAIN
- GAS LINE
- UTILITY LOCATION UNKNOWN
- WATER METER
- GAS METER
- HYDRANT
- WATER MANHOLE
- SANITARY SEWER MANHOLE
- UNKNOWN UTILITY VAULT OR MANHOLE

FMW-01 MONITORING WELL LOCATION

B3 BORING LOCATION WITH RECONNAISSANCE GROUNDWATER SAMPLE

B1 SOIL BORING LOCATION

(85.27) GROUNDWATER ELEVATION IN FEET

84.00 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

FORMER UNDERGROUND STORAGE TANK

SLOPE ASPECT INDICATOR WITH "V" OPENING IN UPHILL DIRECTION

0 20
SCALE IN FEET

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

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Oregon
Portland | Bend | Baker City

California
Oakland | Irvine

FIGURE 6

GROUNDWATER ELEVATION CONTOUR MAP
DECEMBER 15, 2020
ENDOLYNE GARDEN APARTMENTS
9212 45TH AVENUE SOUTHWEST
SEATTLE, WASHINGTON

FARALLON PN: 1295-001

Drawn By: JJ Checked By: LN Date: 8/17/2021 Disk Reference: 1295-001.dwg

Enclosure B

Basis for the Opinion:
List of Documents

1. GeoTech Consultants (GeoTech), *Removal of Underground Storage Tanks, 14-Unit Apartment Building, 9212 45th Avenue SW, Permit No. 645073, Seattle, WA,* September 5, 1989.

2. GeoTech, *Closure Report: Underground Storage Tanks, 14-Unit Apartment Building, 9212-45th Avenue SW, Seattle, WA,* December 5, 1989.

3. Terracon, *Phase I Environmental Site Assessment Report, Endolyne Garden, 9212 and 9214 45th Avenue SW, King County Parcel No. 234670-0000, Seattle, King County, WA* , December 9, 2013.

4. Department of Ecology (Ecology), *Opinion on Proposed Remedial Action, 45th Avenue SW Apartments, VCP NW2809,* March 11, 2014.

5. Farallon Consulting, L.L.C. (Farallon), *Scope of Work Limited Soil Investigation, Endolyne Garden Apartments, 9212 45th Avenue SW, Seattle, WA,* July 21, 2014.

6. Ecology, *Opinion on Proposed Remedial Action, 45th Avenue SW Apartments, VCP NW2809,* October 10, 2014.

7. Farallon, *Limited Subsurface Investigation – Summary of Results, Endolyne Garden Apartments, 9212 45th Avenue SW, Seattle, WA,* May 1, 2015.

8. Farallon, *Summary Work Plan,* May 19, 2015.

9. Ecology, *Opinion on Proposed Remedial Action, 45th Avenue SW Apartments, VCP NW2809,* August 18, 2015.

10. Farallon, Limited Subsurface Investigation – Summary of Results, , *Endolyne Garden Apartments, 9212 45th Avenue SW, Seattle, WA,* June 6, 2016.

11. Farallon, Monitoring Well Installation and Sampling Report, *Endolyne Garden Apartments, 9212 45th Avenue SW, Seattle, WA,* June 11, 2021.

12. Farallon, Remedial Action Report, *Endolyne Garden Apartments, 9212 45th Avenue SW, Seattle, WA,* August 19, 2021.

RE: VCP Project No.: NW2809-45th Ave SW Apartments

Warfel, Michael (ECY) <MWAR461@ECY.WA.GOV>

Mon 4/10/2023 4:39 PM

To:Javan Ruark <jruark@farallonconsulting.com>
Cc:Eric Buer <ebuer@farallonconsulting.com>;slazoff99@gmail.com <slazoff99@gmail.com>

Hello Javan and Steve:

Thank you for providing the updated groundwater monitoring data and the time-series plot for well FMW-05. Ecology concurs that sufficient post-treatment data for FMW-05 confirms a stable and decreasing trend below the Method A groundwater cleanup level for TPH-G, and that planned April 2023 quarterly groundwater monitoring of FMW-05 is not needed at this point of the Site cleanup process. Upon resolution of the issues cited by Ecology in the January 20, 2022 VCP opinion letter for this Site, Ecology will consider proceeding with a Property or Site No Further Action opinion. Future groundwater monitoring will depend upon the results of an empirical demonstration and if an environmental covenant is needed to address residual soil contamination.

Please note that a NFA opinion requires upload of Site data into the Ecology Environmental Information Management (EIM) database. The current EIM status of this Site shows the last field collection end date of 12/18/2020.

Mike

Michael R. (Mike) Warfel, LG, LHG, RG
Site Manager, Voluntary Cleanup Program
Department of Ecology Northwest Region Office (NWRO)
Physical Address: 15700 Dayton Ave N, Shoreline, WA 98133
Mailing Address: PO Box 330316, Shoreline, WA 98133-9716
Reception (24 hour) number: (206) 594-0000
Direct (Cell): (425) 324-1892
Fax: (206) 366-7810
Email: michael.warfel@ecy.wa.gov
Ecology web site: https://ecology.wa.gov/

From: Javan Ruark <jruark@farallonconsulting.com>
Sent: Friday, April 7, 2023 3:58 PM
To: Warfel, Michael (ECY) <MWAR461@ECY.WA.GOV>
Cc: Eric Buer <ebuer@farallonconsulting.com>; slazoff99@gmail.com
Subject: VCP Project No.: NW2809-45th Ave SW Apartments

Mike,

For your review, please find attached the groundwater analytical results table for monitoring wells FMW-01 through FMW-07 and the GRO time-series plot for monitoring well FMW-05. Also, as indicated in your March 31, 2023 email to Steve Lazoff, the April 2023 quarterly groundwater monitoring event will not be conducted as originally planned.

Please reach out with any questions following your review of the data package.

Thank you and have a great weekend.

Javan

Javan Ruark, L.G. (WA), Associate Geologist
Farallon Consulting | 975 5th Ave Northwest | Issaquah, WA 98027
D: 425-295-0827 | Bio | LinkedIn

This correspondence contains confidential or privileged information from Farallon Consulting and may be "Attorney-Client Privileged" and protected as "Work Product." The information contained herein is intended for the use of the individual or party named above. If you are not the intended recipient, note that any copying, distribution, disclosure, or use of the text and/or attached document(s) is strictly prohibited. If you have received this correspondence in error, please notify us immediately. Thank you.

APPENDIX B
LABORATORY ANALYTICAL REPORTS

REMEDIAL ACTION REPORT
Endolyne Garden Apartments
9212 45th Avenue Southwest
Seattle, Washington

Farallon PN: 1295-001

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

August 1, 2018

Tad Cline
Farallon Consulting, LLC
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 1807-160

Dear Tad:

Enclosed are the analytical results and associated quality control data for samples submitted on July 24, 2018.

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

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

Date of Report: August 1, 2018
Samples Submitted: July 24, 2018
Laboratory Reference: 1807-160
Project: 1295-001

Case Narrative

Samples were collected on July 23, 2018 and received by the laboratory on July 24, 2018. 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.

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

Date of Report: August 1, 2018
Samples Submitted: July 24, 2018
Laboratory Reference: 1807-160
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-3-072318**					
Laboratory ID:	07-160-01					
Benzene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Toluene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
o-Xylene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Gasoline	**ND**	100	NWTPH-Gx	7-26-18	7-26-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*66-117*				
Client ID:	**FMW-1-072318**					
Laboratory ID:	07-160-02					
Benzene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Toluene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
o-Xylene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Gasoline	**ND**	100	NWTPH-Gx	7-26-18	7-26-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*66-117*				
Client ID:	**FMW-6-072318**					
Laboratory ID:	07-160-03					
Benzene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Toluene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
o-Xylene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Gasoline	**ND**	100	NWTPH-Gx	7-26-18	7-26-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*91*	*66-117*				

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

Date of Report: August 1, 2018
Samples Submitted: July 24, 2018
Laboratory Reference: 1807-160
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-4-072318**					
Laboratory ID:	07-160-04					
Benzene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Toluene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
o-Xylene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Gasoline	**ND**	100	NWTPH-Gx	7-26-18	7-26-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*87*	*66-117*				
Client ID:	**FMW-5-072318**					
Laboratory ID:	07-160-05					
Benzene	**1.6**	1.0	EPA 8021B	7-26-18	7-26-18	
Toluene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
o-Xylene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Gasoline	**1100**	100	NWTPH-Gx	7-26-18	7-26-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*97*	*66-117*				

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

Date of Report: August 1, 2018
Samples Submitted: July 24, 2018
Laboratory Reference: 1807-160
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0726W2					
Benzene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Toluene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
o-Xylene	**ND**	1.0	EPA 8021B	7-26-18	7-26-18	
Gasoline	**ND**	100	NWTPH-Gx	7-26-18	7-26-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*99*	*66-117*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	07-160-03										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*91*	*87*	*66-117*			
MATRIX SPIKES											
Laboratory ID:	07-160-01										
	MS	MSD	MS	MSD		MS	MSD				
Benzene	**50.9**	**51.2**	50.0	50.0	ND	**102**	**102**	82-122	1	11	
Toluene	**49.4**	**49.5**	50.0	50.0	ND	**99**	**99**	83-123	0	12	
Ethyl Benzene	**48.8**	**48.9**	50.0	50.0	ND	**98**	**98**	83-123	0	12	
m,p-Xylene	**47.9**	**47.8**	50.0	50.0	ND	**96**	**96**	83-123	0	12	
o-Xylene	**48.7**	**49.2**	50.0	50.0	ND	**97**	**98**	83-123	1	11	
Surrogate:											
Fluorobenzene						*96*	*93*	*66-117*			

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

Date of Report: August 1, 2018
Samples Submitted: July 24, 2018
Laboratory Reference: 1807-160
Project: 1295-001

SULFATE
ASTM D516-07

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-1-072318**					
Laboratory ID:	07-160-02					
Sulfate	**ND**	5.0	ASTM D516-07	7-25-18	7-25-18	
Client ID:	**FMW-6-072318**					
Laboratory ID:	07-160-03					
Sulfate	**9.4**	5.0	ASTM D516-07	7-25-18	7-25-18	
Client ID:	**FMW-4-072318**					
Laboratory ID:	07-160-04					
Sulfate	**10**	5.0	ASTM D516-07	7-25-18	7-25-18	
Client ID:	**FMW-5-072318**					
Laboratory ID:	07-160-05					
Sulfate	**ND**	5.0	ASTM D516-07	7-25-18	7-25-18	

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

Date of Report: August 1, 2018
Samples Submitted: July 24, 2018
Laboratory Reference: 1807-160
Project: 1295-001

SULFATE
ASTM D516-07
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0725W1					
Sulfate	**ND**	5.0	ASTM D516-07	7-25-18	7-25-18	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	07-160-03								
	ORIG	DUP							
Sulfate	**9.43**	**9.89**	NA	NA	NA	NA	5	9	
MATRIX SPIKE									
Laboratory ID:	07-160-03								
	MS		MS		MS				
Sulfate	**19.8**		10.0	9.43	104	82-127	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB0725W1								
	SB		SB		SB				
Sulfate	**10.3**		10.0	NA	103	91-109	NA	NA	

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

Date of Report: August 1, 2018
Samples Submitted: July 24, 2018
Laboratory Reference: 1807-160
Project: 1295-001

TOTAL METALS
EPA 200.8/6010D

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-3-072318**					
Laboratory ID:	07-160-01					
Lead	**1.8**	1.1	EPA 200.8	7-26-18	7-26-18	
Client ID:	**FMW-1-072318**					
Laboratory ID:	07-160-02					
Iron	**12000**	56	EPA 6010D	7-26-18	7-26-18	
Lead	**6.3**	1.1	EPA 200.8	7-26-18	7-26-18	
Client ID:	**FMW-6-072318**					
Laboratory ID:	07-160-03					
Iron	**300**	56	EPA 6010D	7-26-18	7-26-18	
Manganese	**1500**	11	EPA 6010D	7-26-18	7-26-18	
Client ID:	**FMW-4-072318**					
Laboratory ID:	07-160-04					
Iron	**8300**	56	EPA 6010D	7-26-18	7-26-18	
Manganese	**2100**	11	EPA 6010D	7-26-18	7-26-18	
Client ID:	**FMW-5-072318**					
Laboratory ID:	07-160-05					
Iron	**6600**	56	EPA 6010D	7-26-18	7-26-18	
Manganese	**1400**	11	EPA 6010D	7-26-18	7-26-18	

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

Date of Report: August 1, 2018
Samples Submitted: July 24, 2018
Laboratory Reference: 1807-160
Project: 1295-001

TOTAL METALS
EPA 200.8/6010D
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0726WM1					
Lead	**ND**	1.1	EPA 200.8	7-26-18	7-26-18	
Laboratory ID:	MB0726WM1					
Iron	**ND**	56	EPA 6010D	7-26-18	7-26-18	
Manganese	**ND**	11	EPA 6010D	7-26-18	7-26-18	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	07-118-02										
	ORIG	DUP									
Lead	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Laboratory ID:	07-118-02										
Iron	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Manganese	**ND**	**ND**	NA	NA		NA		NA	NA	20	
MATRIX SPIKES											
Laboratory ID:	07-118-02										
	MS	MSD	MS	MSD		MS	MSD				
Lead	**249**	**247**	222	222	ND	**112**	**111**	75-125	1	20	
Laboratory ID:	07-118-02										
Iron	**21800**	**22000**	22200	22200	ND	**98**	**99**	75-125	1	20	
Manganese	**220**	**226**	222	222	ND	**99**	**102**	75-125	2	20	

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

Date of Report: August 1, 2018
Samples Submitted: July 24, 2018
Laboratory Reference: 1807-160
Project: 1295-001

DISSOLVED METALS
EPA 200.8/6010D

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-3-072318**					
Laboratory ID:	07-160-01					
Lead	**ND**	1.0	EPA 200.8		7-26-18	
Client ID:	**FMW-1-072318**					
Laboratory ID:	07-160-02					
Iron	**1800**	56	EPA 6010D		7-26-18	
Lead	**ND**	1.0	EPA 200.8		7-26-18	
Client ID:	**FMW-6-072318**					
Laboratory ID:	07-160-03					
Iron	**93**	56	EPA 6010D		7-26-18	
Manganese	**1400**	11	EPA 6010D		7-26-18	
Client ID:	**FMW-4-072318**					
Laboratory ID:	07-160-04					
Iron	**760**	56	EPA 6010D		7-26-18	
Manganese	**340**	11	EPA 6010D		7-26-18	
Client ID:	**FMW-5-072318**					
Laboratory ID:	07-160-05					
Iron	**3500**	56	EPA 6010D		7-26-18	
Manganese	**1100**	11	EPA 6010D		7-26-18	

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

Date of Report: August 1, 2018
Samples Submitted: July 24, 2018
Laboratory Reference: 1807-160
Project: 1295-001

DISSOLVED METALS
EPA 200.8/6010D
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0726D1					
Lead	**ND**	1.0	EPA 200.8		7-26-18	
Laboratory ID:	MB0726D1					
Iron	**ND**	56	EPA 6010D		7-26-18	
Manganese	**ND**	11	EPA 6010D		7-26-18	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	07-160-02										
	ORIG	DUP									
Lead	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Laboratory ID:	07-160-01										
Iron	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Manganese	**ND**	**ND**	NA	NA		NA		NA	NA	20	
MATRIX SPIKES											
Laboratory ID:	07-160-02										
	MS	MSD	MS	MSD		MS	MSD				
Lead	**198**	**206**	200	200	ND	**99**	**103**	75-125	4	20	
Laboratory ID:	07-160-01										
Iron	**24500**	**24500**	22200	22200	ND	**111**	**111**	75-125	0	20	
Manganese	**595**	**589**	556	556	ND	**107**	**106**	75-125	1	20	

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

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 method 8260C, 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

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

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: 1295-001
Project Name: Endolyne Garden Apts
Project Manager: TAD CLINE
Sampled by: Ken Scott

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: 07-160

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	Sulfate 375.4	Total & dissolved lead 200.8	Total & dissolved iron 200.8	Total & dissolved manganese 200.8	% Moisture
1	FMW-3-072318	7/23/18	1048	W	5		X																X	X	X	X	
2	FMW-1-072318		1125	W	6		X																X	X	X	X	
3	FMW-6-072318		1247	W			X																X	X	X	X	
4	FMW-4-072319		1330	W			X																X	X	X	X	
5	FMW-5-072318		1410	W			X																X	X	X	X	

	Signature	Company	Date	Time
Relinquished	Ken Scott	FARALLON	7/23/18	1715
Received		O&E	7/24/18	1100
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

All dissolved metal samples were field filtered

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

September 13, 2018

Tad Cline
Farallon Consulting, LLC
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 1809-021

Dear Tad:

Enclosed are the analytical results and associated quality control data for samples submitted on September 5, 2018.

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

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

Date of Report: September 13, 2018
Samples Submitted: September 5, 2018
Laboratory Reference: 1809-021
Project: 1295-001

Case Narrative

Samples were collected on September 4, 2018 and received by the laboratory on September 5, 2018. 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.

Sulfate ASTM D516-07 Analysis

The PQL's were increased for samples FMW-1-090418 (09-021-01) and FMW-5-090418 (09-021-04) due to sample interference.

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

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

Date of Report: September 13, 2018
Samples Submitted: September 5, 2018
Laboratory Reference: 1809-021
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-1-090418**					
Laboratory ID:	09-021-01					
Benzene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
Toluene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
o-Xylene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
Gasoline	**150**	100	NWTPH-Gx	9-7-18	9-7-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*86*	*66-117*				
Client ID:	**FMW-4-090418**					
Laboratory ID:	09-021-02					
Benzene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
Toluene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
o-Xylene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
Gasoline	**220**	100	NWTPH-Gx	9-7-18	9-7-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*89*	*66-117*				
Client ID:	**FMW-6-090418**					
Laboratory ID:	09-021-03					
Benzene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
Toluene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
o-Xylene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
Gasoline	**ND**	100	NWTPH-Gx	9-7-18	9-7-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*66-117*				

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Date of Report: September 13, 2018
Samples Submitted: September 5, 2018
Laboratory Reference: 1809-021
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-5-090418**					
Laboratory ID:	09-021-04					
Benzene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
Toluene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
Ethyl Benzene	**2.4**	1.0	EPA 8021B	9-7-18	9-7-18	
m,p-Xylene	**2.1**	1.0	EPA 8021B	9-7-18	9-7-18	
o-Xylene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
Gasoline	**1200**	100	NWTPH-Gx	9-7-18	9-7-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*88*	*66-117*				

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Date of Report: September 13, 2018
Samples Submitted: September 5, 2018
Laboratory Reference: 1809-021
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0907W1					
Benzene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
Toluene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
o-Xylene	**ND**	1.0	EPA 8021B	9-7-18	9-7-18	
Gasoline	**ND**	100	NWTPH-Gx	9-7-18	9-7-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*89*	*66-117*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	09-021-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**153**	**125**	NA	NA		NA		NA	20	30	
Surrogate:											
Fluorobenzene						*86*	*87*	*66-117*			
MATRIX SPIKES											
Laboratory ID:	09-021-01										
	MS	MSD	MS	MSD		MS	MSD				
Benzene	**48.5**	**50.8**	50.0	50.0	ND	**97**	**102**	82-122	5	11	
Toluene	**47.7**	**49.8**	50.0	50.0	ND	**95**	**100**	83-123	4	12	
Ethyl Benzene	**48.4**	**50.5**	50.0	50.0	ND	**97**	**101**	83-123	4	12	
m,p-Xylene	**48.0**	**50.3**	50.0	50.0	ND	**96**	**101**	83-123	5	12	
o-Xylene	**48.0**	**50.2**	50.0	50.0	ND	**96**	**100**	83-123	4	11	
Surrogate:											
Fluorobenzene						*92*	*93*	*66-117*			

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Date of Report: September 13, 2018
Samples Submitted: September 5, 2018
Laboratory Reference: 1809-021
Project: 1295-001

TOTAL IRON
EPA 6010D

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-1-090418**					
Laboratory ID:	09-021-01					
Iron	**10000**	56	EPA 6010D	9-6-18	9-7-18	
Client ID:	**FMW-4-090418**					
Laboratory ID:	09-021-02					
Iron	**8300**	56	EPA 6010D	9-6-18	9-7-18	
Client ID:	**FMW-6-090418**					
Laboratory ID:	09-021-03					
Iron	**4900**	56	EPA 6010D	9-6-18	9-7-18	
Client ID:	**FMW-5-090418**					
Laboratory ID:	09-021-04					
Iron	**14000**	56	EPA 6010D	9-6-18	9-7-18	

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Date of Report: September 13, 2018
Samples Submitted: September 5, 2018
Laboratory Reference: 1809-021
Project: 1295-001

TOTAL IRON
EPA 6010D
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0906WM1					
Iron	**ND**	56	EPA 6010D	9-6-18	9-6-18	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	09-009-01										
	ORIG	DUP									
Iron	**ND**	**ND**	NA	NA		NA		NA	NA	20	
MATRIX SPIKES											
Laboratory ID:	09-009-01										
	MS	MSD	MS	MSD		MS	MSD				
Iron	**21700**	**22700**	22200	22200	ND	**98**	**102**	75-125	4	20	

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Date of Report: September 13, 2018
Samples Submitted: September 5, 2018
Laboratory Reference: 1809-021
Project: 1295-001

DISSOLVED IRON
EPA 6010D

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-1-090418**					
Laboratory ID:	09-021-01					
Iron	**1400**	56	EPA 6010D		9-7-18	
Client ID:	**FMW-4-090418**					
Laboratory ID:	09-021-02					
Iron	**2000**	56	EPA 6010D		9-7-18	
Client ID:	**FMW-6-090418**					
Laboratory ID:	09-021-03					
Iron	**480**	56	EPA 6010D		9-7-18	
Client ID:	**FMW-5-090418**					
Laboratory ID:	09-021-04					
Iron	**1900**	56	EPA 6010D		9-7-18	

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Date of Report: September 13, 2018
Samples Submitted: September 5, 2018
Laboratory Reference: 1809-021
Project: 1295-001

DISSOLVED IRON
EPA 6010D
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0906D1					
Iron	**ND**	56	EPA 6010D		9-7-18	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	08-373-01										
	ORIG	DUP									
Iron	**ND**	**ND**	NA	NA		NA		NA	NA	20	
MATRIX SPIKES											
Laboratory ID:	08-373-01										
	MS	MSD	MS	MSD		MS	MSD				
Iron	**23500**	**23300**	22200	22200	ND	**106**	**105**	75-125	1	20	

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Date of Report: September 13, 2018
Samples Submitted: September 5, 2018
Laboratory Reference: 1809-021
Project: 1295-001

SULFATE
ASTM D516-07

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-1-090418**					
Laboratory ID:	09-021-01					
Sulfate	**ND**	20	ASTM D516-07	9-11-18	9-11-18	
Client ID:	**FMW-4-090418**					
Laboratory ID:	09-021-02					
Sulfate	**19**	10	ASTM D516-07	9-11-18	9-11-18	
Client ID:	**FMW-6-090418**					
Laboratory ID:	09-021-03					
Sulfate	**19**	5.0	ASTM D516-07	9-11-18	9-11-18	
Client ID:	**FMW-5-090418**					
Laboratory ID:	09-021-04					
Sulfate	**ND**	50	ASTM D516-07	9-11-18	9-11-18	

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Date of Report: September 13, 2018
Samples Submitted: September 5, 2018
Laboratory Reference: 1809-021
Project: 1295-001

SULFATE
ASTM D516-07
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0911W1					
Sulfate	**ND**	5.0	ASTM D516-07	9-11-18	9-11-18	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	09-021-03							
	ORIG DUP							
Sulfate	**18.8** **18.7**	NA	NA	NA	NA	1	9	
MATRIX SPIKE								
Laboratory ID:	09-021-03							
	MS	MS		MS				
Sulfate	**38.4**	20.0	18.8	98	82-127	NA	NA	
SPIKE BLANK								
Laboratory ID:	SB0911W1							
	SB	SB		SB				
Sulfate	**9.69**	10.0	NA	97	91-109	NA	NA	

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

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 method 8260C, 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

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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: 1295-001
Project Name: Endolyne Garden Apts
Project Manager: Tad Cline
Sampled by: Ken Scott

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 09-021

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	Total Iron	Dissolved Iron	Sulfate		% Moisture
1	FMW-1-090418	9/4/18	1133	W	6		X																X	X	X		
2	FMW-4-090418		1217	W	6		X																X	X	X		
3	FMW-6-090418		1250	W	6		X																X	X	X		
4	FMW-5-090418		1335	W	6		X																X	X	X		

K's

	Signature	Company	Date	Time
Relinquished	Ken Scott	FARALLON	9/4/18	1715
Received		ORE	9/5/18	1110
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
The dissolved ~~metal~~ samples were all field filtered.

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

December 17, 2018

Tad Cline
Farallon Consulting, LLC
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 1812-115

Dear Tad:

Enclosed are the analytical results and associated quality control data for samples submitted on December 12, 2018.

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

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

Date of Report: December 17, 2018
Samples Submitted: December 12, 2018
Laboratory Reference: 1812-115
Project: 1295-001

Case Narrative

Samples were collected on December 11, 2018 and received by the laboratory on December 12, 2018. 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.

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

Date of Report: December 17, 2018
Samples Submitted: December 12, 2018
Laboratory Reference: 1812-115
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-2-121118**					
Laboratory ID:	12-115-01					
Benzene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Toluene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
o-Xylene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Gasoline	**ND**	100	NWTPH-Gx	12-12-18	12-12-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*84*	*66-117*				
Client ID:	**FMW-3-121118**					
Laboratory ID:	12-115-02					
Benzene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Toluene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
o-Xylene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Gasoline	**ND**	100	NWTPH-Gx	12-12-18	12-12-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*66-117*				
Client ID:	**FMW-4-121118**					
Laboratory ID:	12-115-03					
Benzene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Toluene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
o-Xylene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Gasoline	**ND**	100	NWTPH-Gx	12-12-18	12-12-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*83*	*66-117*				

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Date of Report: December 17, 2018
Samples Submitted: December 12, 2018
Laboratory Reference: 1812-115
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-6-121118**					
Laboratory ID:	12-115-04					
Benzene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Toluene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
o-Xylene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Gasoline	**ND**	100	NWTPH-Gx	12-12-18	12-12-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*66-117*				
Client ID:	**FMW-7-121118**					
Laboratory ID:	12-115-05					
Benzene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Toluene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
o-Xylene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Gasoline	**ND**	100	NWTPH-Gx	12-12-18	12-12-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*86*	*66-117*				
Client ID:	**FMW-1-121118**					
Laboratory ID:	12-115-06					
Benzene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Toluene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
o-Xylene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Gasoline	**ND**	100	NWTPH-Gx	12-12-18	12-12-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*66-117*				

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Date of Report: December 17, 2018
Samples Submitted: December 12, 2018
Laboratory Reference: 1812-115
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-5-121118**					
Laboratory ID:	12-115-07					
Benzene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Toluene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Ethyl Benzene	**3.4**	1.0	EPA 8021B	12-12-18	12-12-18	
m,p-Xylene	**3.0**	1.0	EPA 8021B	12-12-18	12-12-18	
o-Xylene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Gasoline	**1500**	100	NWTPH-Gx	12-12-18	12-12-18	O
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*77*	*66-117*				

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

Date of Report: December 17, 2018
Samples Submitted: December 12, 2018
Laboratory Reference: 1812-115
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1212W2					
Benzene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Toluene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
o-Xylene	**ND**	1.0	EPA 8021B	12-12-18	12-12-18	
Gasoline	**ND**	100	NWTPH-Gx	12-12-18	12-12-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*86*	*66-117*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	12-074-09										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*85*	*85*	*66-117*			
MATRIX SPIKES											
Laboratory ID:	12-074-07										
	MS	MSD	MS	MSD		MS	MSD				
Benzene	**47.0**	**49.7**	50.0	50.0	ND	**94**	**99**	82-122	6	11	
Toluene	**47.8**	**50.6**	50.0	50.0	ND	**96**	**101**	83-123	6	12	
Ethyl Benzene	**48.5**	**51.4**	50.0	50.0	ND	**97**	**103**	83-123	6	12	
m,p-Xylene	**48.0**	**51.0**	50.0	50.0	ND	**96**	**102**	83-123	6	12	
o-Xylene	**48.2**	**51.0**	50.0	50.0	ND	**96**	**102**	83-123	6	11	
Surrogate:											
Fluorobenzene						*81*	*85*	*66-117*			

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

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 method 8260C, 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

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

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

Page 1 of 1

Company: FARALLON
Project Number: 1295-001
Project Name: Endolyne Garden Apts
Project Manager: Tad Cline
Sampled by: Ken Smith

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 12-115

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-2-121118	12/4/18	1002	W	3		X																				
2	FMW-3-121118		1030	W	3		X																				
3	FMW-4-121118		1105	W	3		X																				
4	FMW-6-121118		1130	W	3		X																				
5	FMW-7-121118		1210	W	3		X																				
6	FMW-1-121118		1235	W	3		X																				
7	FMW-5-121118		1310	W	3		X																				
							(2K5)																				

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished	Ken Smith	FARALLON	12/11/18	1630	
Received		GSE	12/12/18	1045	
Relinquished					
Received					
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

April 3, 2019

Lyndsey Needham
Farallon Consulting, LLC
1201 Cornwall Avenue, Suite 105
Bellingham, WA 98225

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 1903-297

Dear Lyndsey:

Enclosed are the analytical results and associated quality control data for samples submitted on March 29, 2019.

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

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

Sincerely,

David Baumeister
Project Manager

Enclosures

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

Date of Report: April 3, 2019
Samples Submitted: March 29, 2019
Laboratory Reference: 1903-297
Project: 1295-001

Case Narrative

Samples were collected on March 29, 2019 and received by the laboratory on March 29, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

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

NWTPH Gx/BTEX Analysis

The chromatogram for sample FMW-1-032919 is similar to mineral spirits.

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

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

Date of Report: April 3, 2019
Samples Submitted: March 29, 2019
Laboratory Reference: 1903-297
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-2-032919**					
Laboratory ID:	03-297-01					
Benzene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Toluene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Ethyl Benzene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
o-Xylene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Gasoline	**ND**	100	NWTPH-Gx	3-30-19	3-30-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*106*	*66-117*				
Client ID:	**FMW-3-032919**					
Laboratory ID:	03-297-02					
Benzene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Toluene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Ethyl Benzene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
o-Xylene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Gasoline	**ND**	100	NWTPH-Gx	3-30-19	3-30-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*100*	*66-117*				
Client ID:	**FMW-6-032919**					
Laboratory ID:	03-297-03					
Benzene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Toluene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Ethyl Benzene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
o-Xylene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Gasoline	**ND**	100	NWTPH-Gx	3-30-19	3-30-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*101*	*66-117*				

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

Date of Report: April 3, 2019
Samples Submitted: March 29, 2019
Laboratory Reference: 1903-297
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-7-032919**					
Laboratory ID:	03-297-04					
Benzene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Toluene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Ethyl Benzene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
o-Xylene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Gasoline	**ND**	100	NWTPH-Gx	3-30-19	3-30-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*100*	*66-117*				
Client ID:	**FMW-4-032919**					
Laboratory ID:	03-297-05					
Benzene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Toluene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Ethyl Benzene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
o-Xylene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Gasoline	**ND**	100	NWTPH-Gx	3-30-19	3-30-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*104*	*66-117*				
Client ID:	**FMW-1-032919**					
Laboratory ID:	03-297-06					
Benzene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Toluene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Ethyl Benzene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
o-Xylene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Gasoline	**270**	100	NWTPH-Gx	3-30-19	3-30-19	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*101*	*66-117*				

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

Date of Report: April 3, 2019
Samples Submitted: March 29, 2019
Laboratory Reference: 1903-297
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-5-032919**					
Laboratory ID:	03-297-07					
Benzene	**ND**	4.0	EPA 8021B	3-30-19	3-30-19	
Toluene	**ND**	4.0	EPA 8021B	3-30-19	3-30-19	
Ethyl Benzene	**ND**	4.0	EPA 8021B	3-30-19	3-30-19	
m,p-Xylene	**ND**	4.0	EPA 8021B	3-30-19	3-30-19	
o-Xylene	**ND**	4.0	EPA 8021B	3-30-19	3-30-19	
Gasoline	**1100**	400	NWTPH-Gx	3-30-19	3-30-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*102*	*66-117*				

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

Date of Report: April 3, 2019
Samples Submitted: March 29, 2019
Laboratory Reference: 1903-297
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0330W2					
Benzene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Toluene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Ethyl Benzene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
o-Xylene	**ND**	1.0	EPA 8021B	3-30-19	3-30-19	
Gasoline	**ND**	100	NWTPH-Gx	3-30-19	3-30-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*79*	*66-117*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-279-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*79*	*86*	*66-117*			
SPIKE BLANKS											
Laboratory ID:	SB0330W1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**46.3**	**47.4**	50.0	50.0		**93**	**95**	82-122	2	11	
Toluene	**44.9**	**46.2**	50.0	50.0		**90**	**92**	83-123	3	12	
Ethyl Benzene	**45.9**	**47.4**	50.0	50.0		**92**	**95**	83-123	3	12	
m,p-Xylene	**46.1**	**47.4**	50.0	50.0		**92**	**95**	83-123	3	12	
o-Xylene	**46.4**	**47.8**	50.0	50.0		**93**	**96**	83-123	3	11	
Surrogate:											
Fluorobenzene						*108*	*105*	*66-117*			

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

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 method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z - The sample chromatogram is similar to mineral spirits.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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

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: 1295-001
Project Name: ENdolyNe GarDeN Apts
Project Manager: LyNdsey NeedhAM
Sampled by: Ken Smith

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 03-297

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-2-032919	3/29/19	925	W	3		X																
2	FMW-3-032919		955	W	3		X																
3	FMW-6-032919		1027	W	3		X																
4	FMW-7-032919		1105	W	3		X																
5	FMW-4-032919		1145	W	3		X																
6	FMW-1-032919		1225	W	3		X																
7	FMW-5-032919	↓	1305	W	3		X																
							X5																

	Signature	Company	Date	Time
Relinquished	Ken Smith	FARALLON	3/29/19	1435
Received	Kaleb Liscom	GSE	3/29/19	1435
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

June 27, 2019

Lyndsey Needham
Farallon Consulting, LLC
1201 Cornwall Avenue, Suite 105
Bellingham, WA 98225

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 1906-180

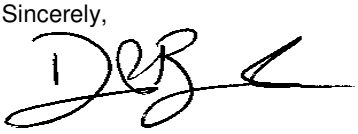
Dear Lyndsey:

Enclosed are the analytical results and associated quality control data for samples submitted on June 19, 2019.

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

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

Sincerely,



David Baumeister
Project Manager

Enclosures

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

Date of Report: June 27, 2019
Samples Submitted: June 19, 2019
Laboratory Reference: 1906-180
Project: 1295-001

Case Narrative

Samples were collected on June 18, 2019 and received by the laboratory on June 19, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

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

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

Date of Report: June 27, 2019
Samples Submitted: June 19, 2019
Laboratory Reference: 1906-180
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-6-061819**					
Laboratory ID:	06-180-01					
Benzene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
Toluene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
Ethyl Benzene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
m,p-Xylene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
o-Xylene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
Gasoline	**ND**	100	NWTPH-Gx	6-21-19	6-21-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*90*	*59-122*				
Client ID:	**FMW-7-061819**					
Laboratory ID:	06-180-02					
Benzene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
Toluene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
Ethyl Benzene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
m,p-Xylene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
o-Xylene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
Gasoline	**ND**	100	NWTPH-Gx	6-21-19	6-21-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*89*	*59-122*				
Client ID:	**FMW-5-061819**					
Laboratory ID:	06-180-03					
Benzene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
Toluene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
Ethyl Benzene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
m,p-Xylene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
o-Xylene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
Gasoline	**890**	100	NWTPH-Gx	6-21-19	6-21-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*59-122*				

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

Date of Report: June 27, 2019
Samples Submitted: June 19, 2019
Laboratory Reference: 1906-180
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0621W1					
Benzene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
Toluene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
Ethyl Benzene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
m,p-Xylene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
o-Xylene	**ND**	1.0	EPA 8021B	6-21-19	6-21-19	
Gasoline	**ND**	100	NWTPH-Gx	6-21-19	6-21-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*59-122*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	06-180-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*90*	*90*	*59-122*			
SPIKE BLANKS											
Laboratory ID:	SB0621W1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**51.2**	**53.1**	50.0	50.0		**102**	**106**	76-120	4	11	
Toluene	**52.8**	**54.1**	50.0	50.0		**106**	**108**	80-116	2	12	
Ethyl Benzene	**52.8**	**54.3**	50.0	50.0		**106**	**109**	80-116	3	12	
m,p-Xylene	**51.4**	**53.0**	50.0	50.0		**103**	**106**	76-117	3	12	
o-Xylene	**51.9**	**53.1**	50.0	50.0		**104**	**106**	79-114	2	11	
Surrogate:											
Fluorobenzene						*96*	*96*	*59-122*			

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

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

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

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
Project Number: 1295-001
Project Name: ENDOLYNE GARDEN APTS
Project Manager: LYNDSEY NEEDHAM
Sampled by: Ken Scott

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 06-180

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-6-061819	6/18/19	1218	W	3		X																				
2	FMW-7-061819	↓	1255	W	3		X																				
3	FMW-5-061819	↓	1335	W	3		X																				

KS

	Signature	Company	Date	Time
Relinquished	Ken Scott	FARALLON	6/18/19	1630
Received		ONE	6/19/19	1136
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 27, 2020

Lyndsey Needham
Farallon Consulting, LLC
1201 Cornwall Avenue, Suite 105
Bellingham, WA 98225

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 2003-293

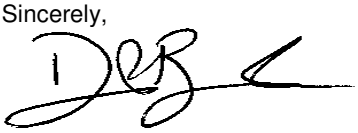
Dear Lyndsey:

Enclosed are the analytical results and associated quality control data for samples submitted on March 26, 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

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

Date of Report: March 27, 2020
Samples Submitted: March 26, 2020
Laboratory Reference: 2003-293
Project: 1295-001

Case Narrative

Samples were collected on March 25, 2020 and received by the laboratory on March 26, 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.

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

Date of Report: March 27, 2020
Samples Submitted: March 26, 2020
Laboratory Reference: 2003-293
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-7-032520**					
Laboratory ID:	03-293-01					
Benzene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
Toluene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
o-Xylene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
Gasoline	**ND**	100	NWTPH-Gx	3-26-20	3-26-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*90*	*59-122*				
Client ID:	**FMW-6-032520**					
Laboratory ID:	03-293-02					
Benzene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
Toluene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
o-Xylene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
Gasoline	**ND**	100	NWTPH-Gx	3-26-20	3-26-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*91*	*59-122*				
Client ID:	**FMW-5-032520**					
Laboratory ID:	03-293-03					
Benzene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
Toluene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
o-Xylene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
Gasoline	**530**	100	NWTPH-Gx	3-26-20	3-26-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*59-122*				

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

Date of Report: March 27, 2020
Samples Submitted: March 26, 2020
Laboratory Reference: 2003-293
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0326W2					
Benzene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
Toluene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
o-Xylene	**ND**	1.0	EPA 8021B	3-26-20	3-26-20	
Gasoline	**ND**	100	NWTPH-Gx	3-26-20	3-26-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*59-122*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-262-02										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*92*	*93*	*59-122*			
SPIKE BLANKS											
Laboratory ID:	SB0326W1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**51.4**	**52.9**	50.0	50.0		**103**	**106**	76-120	3	11	
Toluene	**52.6**	**54.0**	50.0	50.0		**105**	**108**	80-116	3	12	
Ethyl Benzene	**52.7**	**53.8**	50.0	50.0		**105**	**108**	80-116	2	12	
m,p-Xylene	**52.8**	**53.3**	50.0	50.0		**106**	**107**	76-117	1	12	
o-Xylene	**51.6**	**52.5**	50.0	50.0		**103**	**105**	79-114	2	11	
Surrogate:											
Fluorobenzene						*96*	*93*	*59-122*			

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

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

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

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

Laboratory Number: 03-293

Company: FARALLON
Project Number: 1295-001
Project Name: Endolyne Garden Apts
Project Manager: Lyndsey Needham
Sampled by: Ken Scott

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 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-7-032520	3/25/20	1140	W	3		X																				
2	FMW-6-032520	↓	1212	W	3		X																				
3	FMW-5-032520	↓	1245	W	3		X																				

	Signature	Company	Date	Time
Relinquished	Ken Scott	FARALLON	3/25/20	1600
Received	DARIA LISEWSKI	OSE	3/26/20	1100
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

June 25, 2020

Lyndsey Needham
Farallon Consulting, LLC
1201 Cornwall Avenue, Suite 105
Bellingham, WA 98225

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 2006-264

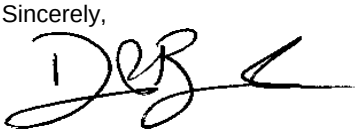
Dear Lyndsey:

Enclosed are the analytical results and associated quality control data for samples submitted on June 23, 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

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

Date of Report: June 25, 2020
Samples Submitted: June 23, 2020
Laboratory Reference: 2006-264
Project: 1295-001

Case Narrative

Samples were collected on June 22, 2020 and received by the laboratory on June 23, 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.

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

Date of Report: June 25, 2020
Samples Submitted: June 23, 2020
Laboratory Reference: 2006-264
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-2-062220**					
Laboratory ID:	06-264-01					
Benzene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Toluene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
o-Xylene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Gasoline	**ND**	100	NWTPH-Gx	6-24-20	6-24-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*89*	*65-120*				
Client ID:	**FMW-3-062220**					
Laboratory ID:	06-264-02					
Benzene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Toluene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
o-Xylene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Gasoline	**ND**	100	NWTPH-Gx	6-24-20	6-24-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*91*	*65-120*				
Client ID:	**FMW-6-062220**					
Laboratory ID:	06-264-03					
Benzene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Toluene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
o-Xylene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Gasoline	**ND**	100	NWTPH-Gx	6-24-20	6-24-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*65-120*				

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

Date of Report: June 25, 2020
Samples Submitted: June 23, 2020
Laboratory Reference: 2006-264
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-7-062220**					
Laboratory ID:	06-264-04					
Benzene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Toluene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
o-Xylene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Gasoline	**ND**	100	NWTPH-Gx	6-24-20	6-24-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*65-120*				
Client ID:	**FMW-4-062220**					
Laboratory ID:	06-264-05					
Benzene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Toluene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
o-Xylene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Gasoline	**ND**	100	NWTPH-Gx	6-24-20	6-24-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*74*	*65-120*				
Client ID:	**FMW-1-062220**					
Laboratory ID:	06-264-06					
Benzene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Toluene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
o-Xylene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Gasoline	**ND**	100	NWTPH-Gx	6-24-20	6-24-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*92*	*65-120*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: June 25, 2020
Samples Submitted: June 23, 2020
Laboratory Reference: 2006-264
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-5-062220**					
Laboratory ID:	06-264-07					
Benzene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Toluene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
o-Xylene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Gasoline	**750**	100	NWTPH-Gx	6-24-20	6-24-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*65-120*				

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

Date of Report: June 25, 2020
Samples Submitted: June 23, 2020
Laboratory Reference: 2006-264
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0624W2					
Benzene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Toluene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
o-Xylene	**ND**	1.0	EPA 8021B	6-24-20	6-24-20	
Gasoline	**ND**	100	NWTPH-Gx	6-24-20	6-24-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*92*	*65-120*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	06-244-02										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*75*	*74*	*65-120*			
SPIKE BLANKS											
Laboratory ID:	SB0624W1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**49.7**	**47.6**	50.0	50.0		**99**	**95**	83-117	4	11	
Toluene	**50.5**	**48.4**	50.0	50.0		**101**	**97**	86-115	4	12	
Ethyl Benzene	**50.8**	**48.6**	50.0	50.0		**102**	**97**	86-117	4	12	
m,p-Xylene	**50.0**	**47.7**	50.0	50.0		**100**	**95**	85-118	5	12	
o-Xylene	**50.3**	**48.4**	50.0	50.0		**101**	**97**	86-115	4	11	
Surrogate:											
Fluorobenzene						*96*	*96*	*65-120*			

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

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

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

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

Laboratory Number: 06-264

Company: FARALLON
Project Number: 1295-001
Project Name: Endolyne Garden Apts
Project Manager: Lyndsey Needham
Sampled by: Ken Scott

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 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-2-062220	6/22/20	1025	W	3		X																
2	FMW-3-062220		1100	W	3		X																
3	FMW-6-062220		1135	W	3		X																
4	FMW-7-062220		1213	W	3		X																
5	FMW-4-062220		1250	W	3		X																
6	FMW-~~3~~ 8-062220		1320	W	3		X																
7	FMW-5-062220	↓	1410	W	3		X																

	Signature	Company	Date	Time
Relinquished	Ken Scott	FARALLON	6/22/20	1600
Received		OSE	6/23/20	1430
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

October 6, 2020

Lyndsey Needham
Farallon Consulting, LLC
1201 Cornwall Avenue, Suite 105
Bellingham, WA 98225

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 2010-008

Dear Lyndsey:

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

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

Date of Report: October 6, 2020
Samples Submitted: October 1, 2020
Laboratory Reference: 2010-008
Project: 1295-001

Case Narrative

Samples were collected on September 30, 2020 and received by the laboratory on October 1, 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.

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

Date of Report: October 6, 2020
Samples Submitted: October 1, 2020
Laboratory Reference: 2010-008
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-1-093020**					
Laboratory ID:	10-008-01					
Benzene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Toluene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
o-Xylene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Gasoline	**ND**	100	NWTPH-Gx	10-5-20	10-5-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*86*	*65-120*				
Client ID:	**FMW-3-093020**					
Laboratory ID:	10-008-02					
Benzene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Toluene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
o-Xylene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Gasoline	**ND**	100	NWTPH-Gx	10-5-20	10-5-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*84*	*65-120*				
Client ID:	**FMW-4-093020**					
Laboratory ID:	10-008-03					
Benzene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Toluene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
o-Xylene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Gasoline	**ND**	100	NWTPH-Gx	10-5-20	10-5-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*65-120*				

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Date of Report: October 6, 2020
Samples Submitted: October 1, 2020
Laboratory Reference: 2010-008
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-5-093020**					
Laboratory ID:	10-008-04					
Benzene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Toluene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
o-Xylene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Gasoline	**350**	100	NWTPH-Gx	10-5-20	10-5-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*83*	*65-120*				
Client ID:	**FMW-6-093020**					
Laboratory ID:	10-008-05					
Benzene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Toluene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
o-Xylene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Gasoline	**ND**	100	NWTPH-Gx	10-5-20	10-5-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*84*	*65-120*				
Client ID:	**FMW-7-093020**					
Laboratory ID:	10-008-06					
Benzene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Toluene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
o-Xylene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Gasoline	**ND**	100	NWTPH-Gx	10-5-20	10-5-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*65-120*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: October 6, 2020
Samples Submitted: October 1, 2020
Laboratory Reference: 2010-008
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1005W1					
Benzene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Toluene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
o-Xylene	**ND**	1.0	EPA 8021B	10-5-20	10-5-20	
Gasoline	**ND**	100	NWTPH-Gx	10-5-20	10-5-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*84*	*65-120*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	10-008-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*86*	*82*	*65-120*			
SPIKE BLANKS											
Laboratory ID:	SB1005W1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**46.1**	**43.8**	50.0	50.0		**92**	**88**	83-117	5	11	
Toluene	**47.9**	**45.6**	50.0	50.0		**96**	**91**	86-115	5	12	
Ethyl Benzene	**47.8**	**45.5**	50.0	50.0		**96**	**91**	86-117	5	12	
m,p-Xylene	**48.1**	**45.8**	50.0	50.0		**96**	**92**	85-118	5	12	
o-Xylene	**47.0**	**45.1**	50.0	50.0		**94**	**90**	86-115	4	11	
Surrogate:											
Fluorobenzene						*88*	*88*	*65-120*			

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

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

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

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: 1295-001
Project Name: Endolyne Garden Apts
Project Manager: Lyndsey Needham
Sampled by: Matt Bowser

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 10-008

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-1-093020	9/30/20	1115	W	3		X																				
2	FMW-3-093020		1151	W	3		X																				
3	FMW-4-093020		1215	W	3		X																				
4	FMW-5-093020		1240	W	3		X																				
5	FMW-6-093020		1320	W	3		X																				
6	FMW-7-093020		1400	W	2		X																				
		MW3																									

	Signature	Company	Date	Time
Relinquished		Farallon	10/1/20	1330
Received		Speedy	10-1-20	1330
Relinquished		Speedy	10-1-20	1406
Received		OSE	10/1/20	1406
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

December 23, 2020

Lyndsey Needham
Farallon Consulting, LLC
1201 Cornwall Avenue, Suite 105
Bellingham, WA 98225

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 2012-200

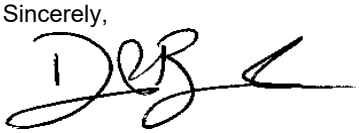
Dear Lyndsey:

Enclosed are the analytical results and associated quality control data for samples submitted on December 18, 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

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

Date of Report: December 23, 2020
Samples Submitted: December 18, 2020
Laboratory Reference: 2012-200
Project: 1295-001

Case Narrative

Samples were collected on December 18, 2020 and received by the laboratory on December 18, 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.

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

Date of Report: December 23, 2020
Samples Submitted: December 18, 2020
Laboratory Reference: 2012-200
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-1-121820**					
Laboratory ID:	12-200-01					
Benzene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Toluene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
o-Xylene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Gasoline	**ND**	100	NWTPH-Gx	12-21-20	12-21-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*92*	*65-120*				
Client ID:	**FMW-2-121820**					
Laboratory ID:	12-200-02					
Benzene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Toluene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
o-Xylene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Gasoline	**ND**	100	NWTPH-Gx	12-21-20	12-21-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*65-120*				
Client ID:	**FMW-3-121820**					
Laboratory ID:	12-200-03					
Benzene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Toluene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
o-Xylene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Gasoline	**ND**	100	NWTPH-Gx	12-21-20	12-21-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*65-120*				

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

Date of Report: December 23, 2020
Samples Submitted: December 18, 2020
Laboratory Reference: 2012-200
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-4-121820**					
Laboratory ID:	12-200-04					
Benzene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Toluene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
o-Xylene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Gasoline	**ND**	100	NWTPH-Gx	12-21-20	12-21-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*65-120*				
Client ID:	**FMW-5-121820**					
Laboratory ID:	12-200-05					
Benzene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Toluene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
o-Xylene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Gasoline	**540**	100	NWTPH-Gx	12-21-20	12-21-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*96*	*65-120*				
Client ID:	**FMW-6-121820**					
Laboratory ID:	12-200-06					
Benzene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Toluene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
o-Xylene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Gasoline	**ND**	100	NWTPH-Gx	12-21-20	12-21-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*65-120*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: December 23, 2020
Samples Submitted: December 18, 2020
Laboratory Reference: 2012-200
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-7-121820**					
Laboratory ID:	12-200-07					
Benzene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Toluene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
o-Xylene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Gasoline	**ND**	100	NWTPH-Gx	12-21-20	12-21-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*65-120*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: December 23, 2020
Samples Submitted: December 18, 2020
Laboratory Reference: 2012-200
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1221W1					
Benzene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Toluene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Ethyl Benzene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
m,p-Xylene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
o-Xylene	**ND**	1.0	EPA 8021B	12-21-20	12-21-20	
Gasoline	**ND**	100	NWTPH-Gx	12-21-20	12-21-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*100*	*65-120*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	12-194-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*100*	*95*	*65-120*			
SPIKE BLANKS											
Laboratory ID:	SB1221W1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**47.2**	**47.2**	50.0	50.0		**94**	**94**	83-117	0	11	
Toluene	**49.7**	**49.7**	50.0	50.0		**99**	**99**	86-115	0	12	
Ethyl Benzene	**49.4**	**49.5**	50.0	50.0		**99**	**99**	86-117	0	12	
m,p-Xylene	**50.2**	**50.1**	50.0	50.0		**100**	**100**	85-118	0	12	
o-Xylene	**49.1**	**49.2**	50.0	50.0		**98**	**98**	86-115	0	11	
Surrogate:											
Fluorobenzene						*99*	*99*	*65-120*			

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

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

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

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

Laboratory Number: 12-200

Company: Farallon
Project Number: 1295-001
Project Name: Endolyne Garden Apts
Project Manager: Lyndsey Hadlam
Sampled by: Greg Peters

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 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-1-121820	12/18/20	941	Water	3		X																				
2	FMW-2 121820		1240				X																				
3	FMW-3-121820		900				X																				
4	FMW-4-121820		1154				X																				
5	FMW-5-121820		1110				X																				
6	FMW-6-121820		1230				X																				
7	FMW-7-121820		1035				X																				

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		Farallon	12/18/20	1352	
Received		Speedy	12-18-20	1603	
Relinquished		Speedy	12-18-20	1755	
Received		OSE	12/18/20	1755	
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

February 1, 2023

Javan Ruark
Farallon Consulting
975 5th Avenue NW
Issaquah, WA 98027

Re: Analytical Data for Project 1295-001
Laboratory Reference No. 2301-234

Dear Javan:

Enclosed are the analytical results and associated quality control data for samples submitted on January 26, 2023.

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

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

Date of Report: February 1, 2023
Samples Submitted: January 26, 2023
Laboratory Reference: 2301-234
Project: 1295-001

Case Narrative

Samples were collected on January 26, 2023 and received by the laboratory on January 26, 2023. 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.

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

Date of Report: February 1, 2023
Samples Submitted: January 26, 2023
Laboratory Reference: 2301-234
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-5-012623**					
Laboratory ID:	01-234-01					
Benzene	**ND**	1.0	EPA 8021B	1-31-23	1-31-23	
Toluene	**ND**	1.0	EPA 8021B	1-31-23	1-31-23	
Ethylbenzene	**ND**	1.0	EPA 8021B	1-31-23	1-31-23	
m,p-Xylene	**ND**	1.0	EPA 8021B	1-31-23	1-31-23	
o-Xylene	**ND**	1.0	EPA 8021B	1-31-23	1-31-23	
Gasoline	**180**	100	NWTPH-Gx	1-31-23	1-31-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*87*	*65-122*				
Client ID:	**FMW-6-012623**					
Laboratory ID:	01-234-02					
Benzene	**ND**	1.0	EPA 8021B	1-31-23	1-31-23	
Toluene	**ND**	1.0	EPA 8021B	1-31-23	1-31-23	
Ethylbenzene	**ND**	1.0	EPA 8021B	1-31-23	1-31-23	
m,p-Xylene	**ND**	1.0	EPA 8021B	1-31-23	1-31-23	
o-Xylene	**ND**	1.0	EPA 8021B	1-31-23	1-31-23	
Gasoline	**ND**	100	NWTPH-Gx	1-31-23	1-31-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*88*	*65-122*				

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

Date of Report: February 1, 2023
Samples Submitted: January 26, 2023
Laboratory Reference: 2301-234
Project: 1295-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0131W1					
Benzene	**ND**	1.0	EPA 8021B	1-31-23	1-31-23	
Toluene	**ND**	1.0	EPA 8021B	1-31-23	1-31-23	
Ethylbenzene	**ND**	1.0	EPA 8021B	1-31-23	1-31-23	
m,p-Xylene	**ND**	1.0	EPA 8021B	1-31-23	1-31-23	
o-Xylene	**ND**	1.0	EPA 8021B	1-31-23	1-31-23	
Gasoline	**ND**	100	NWTPH-Gx	1-31-23	1-31-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*99*	*65-122*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	01-234-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethylbenzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**181**	**171**	NA	NA		NA		NA	6	30	
Surrogate:											
Fluorobenzene						*87*	*89*	*65-122*			
SPIKE BLANKS											
Laboratory ID:	SB0131W1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**52.2**	**53.7**	50.0	50.0		**104**	**107**	80-116	3	12	
Toluene	**52.4**	**54.2**	50.0	50.0		**105**	**108**	82-118	3	12	
Ethylbenzene	**50.8**	**52.5**	50.0	50.0		**102**	**105**	82-118	3	12	
m,p-Xylene	**50.9**	**51.9**	50.0	50.0		**102**	**104**	81-118	2	12	
o-Xylene	**51.1**	**52.1**	50.0	50.0		**102**	**104**	81-116	2	11	
Surrogate:											
Fluorobenzene						*89*	*91*	*65-122*			

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

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.

X2 - Sample extract treated with a silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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

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: 1295-001
Project Name: Endolyne Gardin Apartments
Project Manager: Javan Ruark
Sampled by: Jenner Smith

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Days
- ☐ 3 Days
- ☒ Standard (7 Days)
- ☐ _____ (other)

Laboratory Number: 01-234

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021/8260☐)	NWTPH-Gx	NWTPH-Dx (Acid / SG Clean-up☐)	Volatiles 8260	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664					% Moisture
1	FMW-5-012623	1/26/23	1058	water	5		X																				
2	FMW-6-012623	1/26/23	1120	water	3		X																				

	Signature	Company	Date	Time
Relinquished	Jenner Smith	Farallon	1/26/23	1310
Received	Nichelle Bolton	OSE	1/26/23	1310
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) ☐

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8/15/2016
Mr. Tad Cline
Farallon Consulting, LLC
1809 7th Ave
Suite 1111
Seattle WA 98101

Project Name: Endolyne Apts
Project #: 1295-001
Workorder #: 1608119

Dear Mr. Tad Cline

The following report includes the data for the above referenced project for sample(s) received on 8/8/2016 at Air Toxics Ltd.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free the Project Manager: Kelly Buettner at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kelly Buettner

Project Manager

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WORK ORDER #: 1608119

Work Order Summary

CLIENT:	Mr. Tad Cline Farallon Consulting, LLC 1809 7th Ave Suite 1111 Seattle, WA 98101	**BILL TO:**	Accounts Payable Farallon Consulting, LLC 975 Fifth Avenue NW Issaquah, WA 98027-3333
PHONE:	425-295-0849	**P.O. #**	
FAX:		**PROJECT #**	1295-001 Endolyne Apts
DATE RECEIVED:	08/08/2016	**CONTACT:**	Kelly Buettner
DATE COMPLETED:	08/15/2016		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SG1-9314-080316	TO-15	4.1 "Hg	15.6 psi
02A	Lab Blank	TO-15	NA	NA
03A	CCV	TO-15	NA	NA
04A	LCS	TO-15	NA	NA
04AA	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Mayo DATE: 08/15/16

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,
TX NELAP - T104704434-15-9, UT NELAP CA0093332015-6, VA NELAP - 8113, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2015, Expiration date: 10/17/2016.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
EPA Method TO-15
Farallon Consulting, LLC
Workorder# 1608119

One 1 Liter Summa Canister sample was received on August 08, 2016. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SG1-9314-080316

Lab ID#: 1608119-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethyl Benzene	1.2	14	5.2	60
Toluene	1.2	13	4.5	48
m,p-Xylene	1.2	59	5.2	250
o-Xylene	1.2	29	5.2	130

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Client Sample ID: SG1-9314-080316

Lab ID#: 1608119-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a081221**	**Date of Collection: 8/3/16 1:20:00 PM**	
Dil. Factor:	**2.39**	**Date of Analysis: 8/13/16 12:33 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.2	Not Detected	3.8	Not Detected
Ethyl Benzene	1.2	14	5.2	60
Toluene	1.2	13	4.5	48
m,p-Xylene	1.2	59	5.2	250
o-Xylene	1.2	29	5.2	130

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1608119-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a081207**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/12/16 01:42 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.50	Not Detected	1.6	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: CCV

Lab ID#: 1608119-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a081202**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/12/16 10:52 AM**	

Compound	%Recovery
Benzene	102
Ethyl Benzene	97
Toluene	100
m,p-Xylene	96
o-Xylene	96

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: LCS

Lab ID#: 1608119-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a081203**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/12/16 11:30 AM**	

Compound	%Recovery	Method Limits
Benzene	101	70-130
Ethyl Benzene	100	70-130
Toluene	100	70-130
m,p-Xylene	100	70-130
o-Xylene	100	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	103	70-130

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Client Sample ID: LCSD

Lab ID#: 1608119-04AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a081204**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/12/16 11:55 AM**	

Compound	%Recovery	Method Limits
Benzene	103	70-130
Ethyl Benzene	101	70-130
Toluene	103	70-130
m,p-Xylene	101	70-130
o-Xylene	102	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	102	70-130

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Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager TAD CLINE
Collected by: (Print and Sign) Ken Scott, Ken Scott
Company FARALLON Email Kscott@farallonconsulting.com
Address 975 5th Ave NW City ISSAQUAH State WA Zip 98027
Phone 425-295-0800 Fax 425-295-0850

Project Info:
P.O. #
Project # 1295-001
Project Name Endolyne Apts

Turn Around Time:
☒ Normal
☐ Rush
specify

Lab Use Only
Pressurized by:
Date:
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01a	SG1-9314-080316	9314	8/3/16	1320	BTEX using TO-15	-30	-6		

KS

Relinquished by: (signature) Date/Time: Ken Scott 8/3/16 @ 1700
Received by: (signature) Date/Time: [illegible] FAIL 8/8/16 13:30

Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time:

Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time:

Notes:

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Fed Ex		N/A	good	Yes No None	1608119

Form 1293 rev.11

APPENDIX C
ECOLOGY TERRESTRIAL ECOLOGICAL EVALUATION FORM

REMEDIAL ACTION REPORT
Endolyne Garden Apartments
9212 45th Avenue Southwest
Seattle, Washington

Farallon PN: 1295-001

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: 45th Avenue SW Apartments/Endolyne Garden Apartments	
Facility/Site Address: 9212 45th Avenue Southwest, Seattle, WA 98136	
Facility/Site No: 71883959	VCP Project No.: NW2809

Step 2: IDENTIFY EVALUATOR			
Please identify below the person who conducted the evaluation and their contact information.			
Name: Eric Buer		Title: Principal Hydrogeologist	
Organization: Farallon Consulting			
Mailing address: 1809 7th Avenue, Suite 1111			
City: Seattle	State: WA	Zip code: 98101	
Phone: 425-295-0849	Fax:	E-mail: ebuer@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.

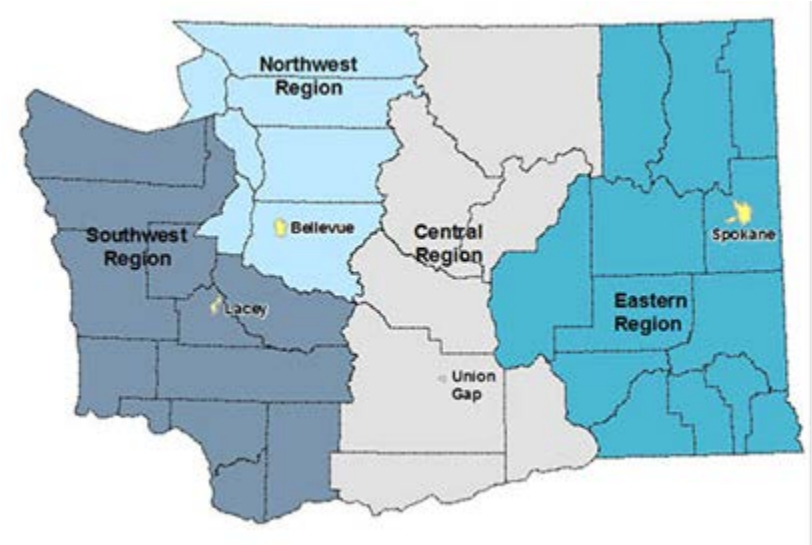
5. Have you already obtained Ecology's approval of both your problem formulation and problem resolution steps?

☐ 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.