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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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

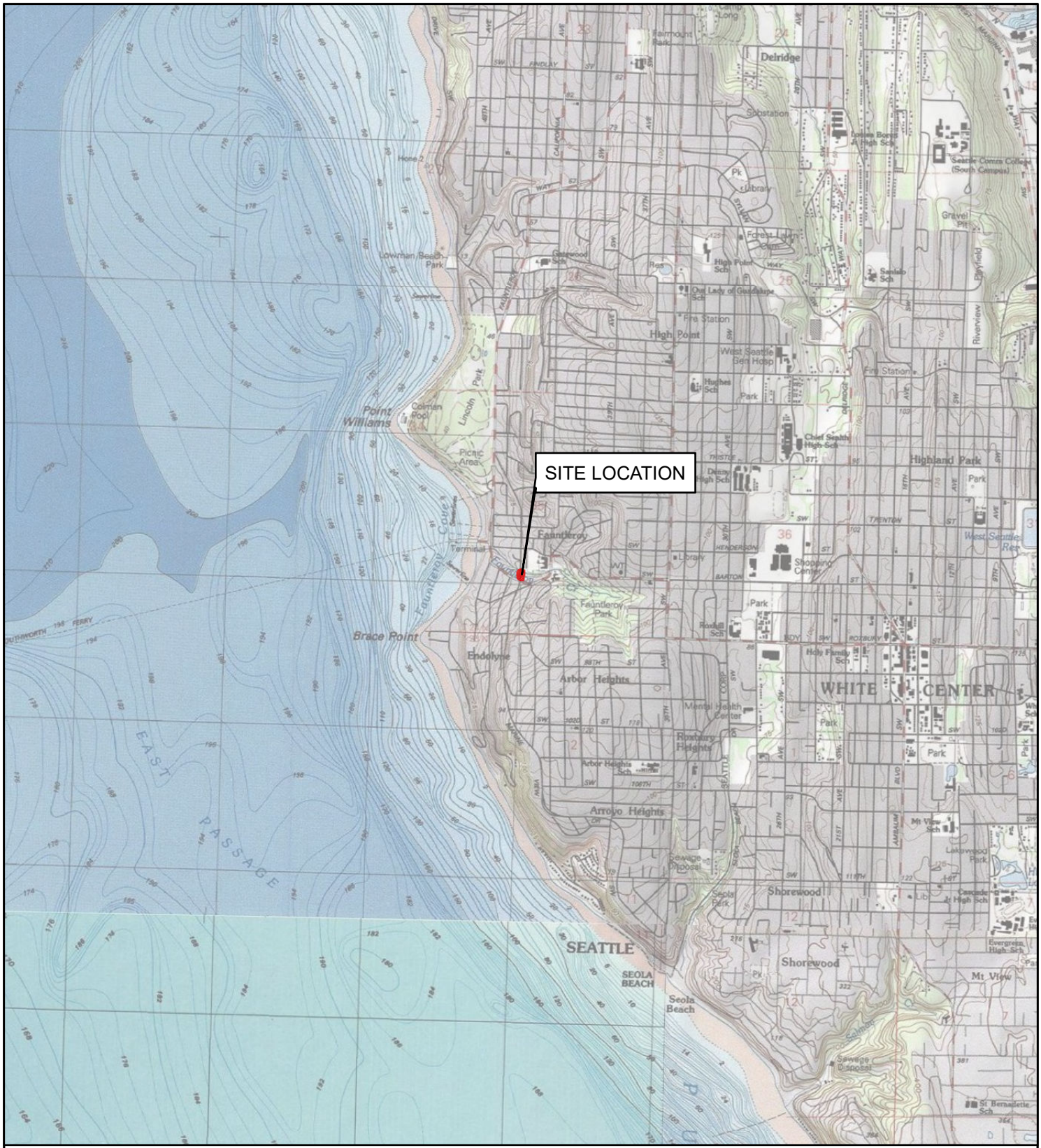
Reliance by third parties is prohibited. This report/assessment has been prepared for the exclusive use of Endolyne Apartments, LLC, c/o Plus One Capital, LLC to address the unique needs of Endolyne Apartments, LLC, c/o Plus One Capital, LLC at the Site at a specific point in time.

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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- SANITARY SEWER MANHOLE
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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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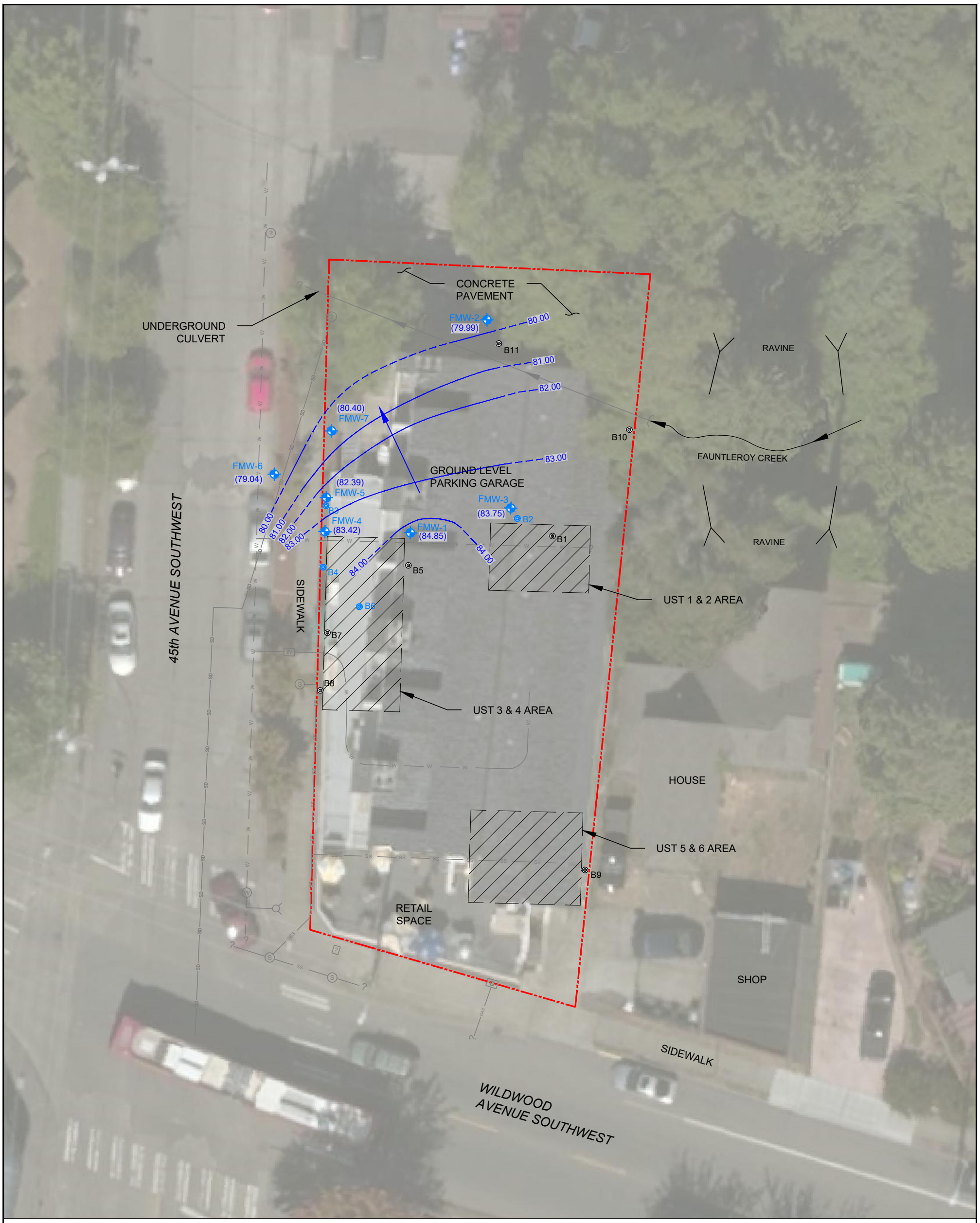
FIGURE 3

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
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- 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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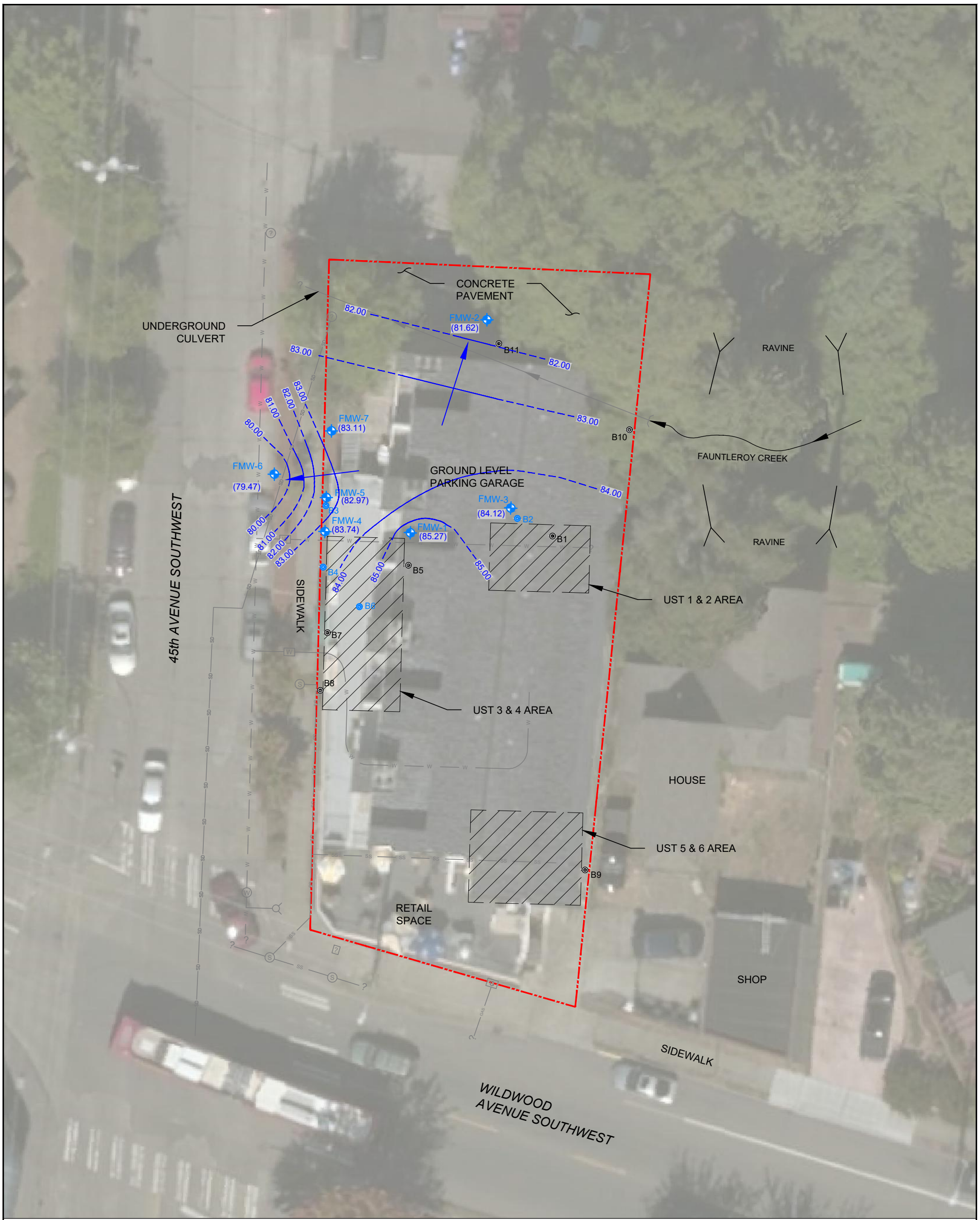
FIGURE 5

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
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- 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
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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.

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]**	**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.

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

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

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.

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**

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**

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

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.

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.

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

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

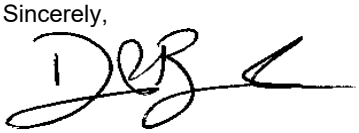
Dear Lyndsey:

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

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.

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*				

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*				

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*				

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*			

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

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

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

Page 1 of 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

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.

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*				

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*				

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*			

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

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

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

Page 1 of 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

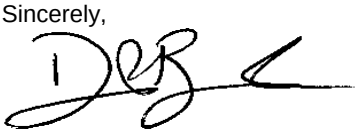
Dear Lyndsey:

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

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.

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*				

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*				

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*				

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*			

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

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

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

Page 1 of 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

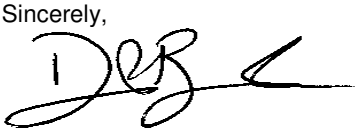
Dear Lyndsey:

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

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.

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*				

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*			

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

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

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

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

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

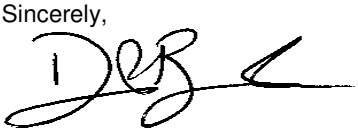
Dear Lyndsey:

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

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.

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*				

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*			

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

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

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

Page 1 of 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

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.

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*				

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*				

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*				

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*			

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

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

Chain of Custody

Laboratory Number: 03-297

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-2-032919	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																				

KS

	Signature	Company	Date	Time
Relinquished	Ken Scott	FARALLON	3/29/19	1435
Received	[signature]	OSE	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

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.

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*				

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*				

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*				

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*			

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

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

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.

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*				

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*				

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*			

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	

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	

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	

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	

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	

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	

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

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

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.

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*				

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*				

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*			

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	

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	

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	

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	

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	

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	

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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

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

Chain of Custody

Page 1 of 1

Laboratory Number: 07-160

Company: FARALLON
Project Number: 1295-001
Project Name: Endolyne Garden Apts
Project Manager: TAO 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	No Sulfate	Total & Dissolved Lead, Iron	Total & Dissolved Lead	Total & Dissolved Iron & Manganese	% Moisture
1	FMW-3-072318	7/23/18	1048	W	5		X																X		X		
2	FMW-1-072318	↓	1125	W	6		X																X	X			
3	FMW-6-072318	↓	1247	W	↓		X																X			X	
4	FMW-4-072318	↓	1330	W	↓		X																X			X	
5	FMW-5-072318	↓	1140	W	↓		X																X			X	

KS

	Signature	Company	Date	Time
Relinquished	Ken Scott	FARALLON	7/23/18	1715
Received	[signature]	OSE	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) ☐