Remediation Management Services Company

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September 8. 2022

Washington Department of Ecology
Northwest Regional Office
Attn: Mr. Michael Warfel
15700 Dayton Avenue North
Shoreline, WA 98133

Dear Mr. Warfel:

Please find enclosed for your review a Subsurface Assessment and Tier I Soil Vapor Investigation Workplan for Former BP Facility No. 11060 located at 4580 Fauntleroy Way SW, Seattle, Washington.

Sincerely yours,

Wade Melton
Operations Project Manager
Remediation Management Services Company
An affiliate of Atlantic Richfield Company

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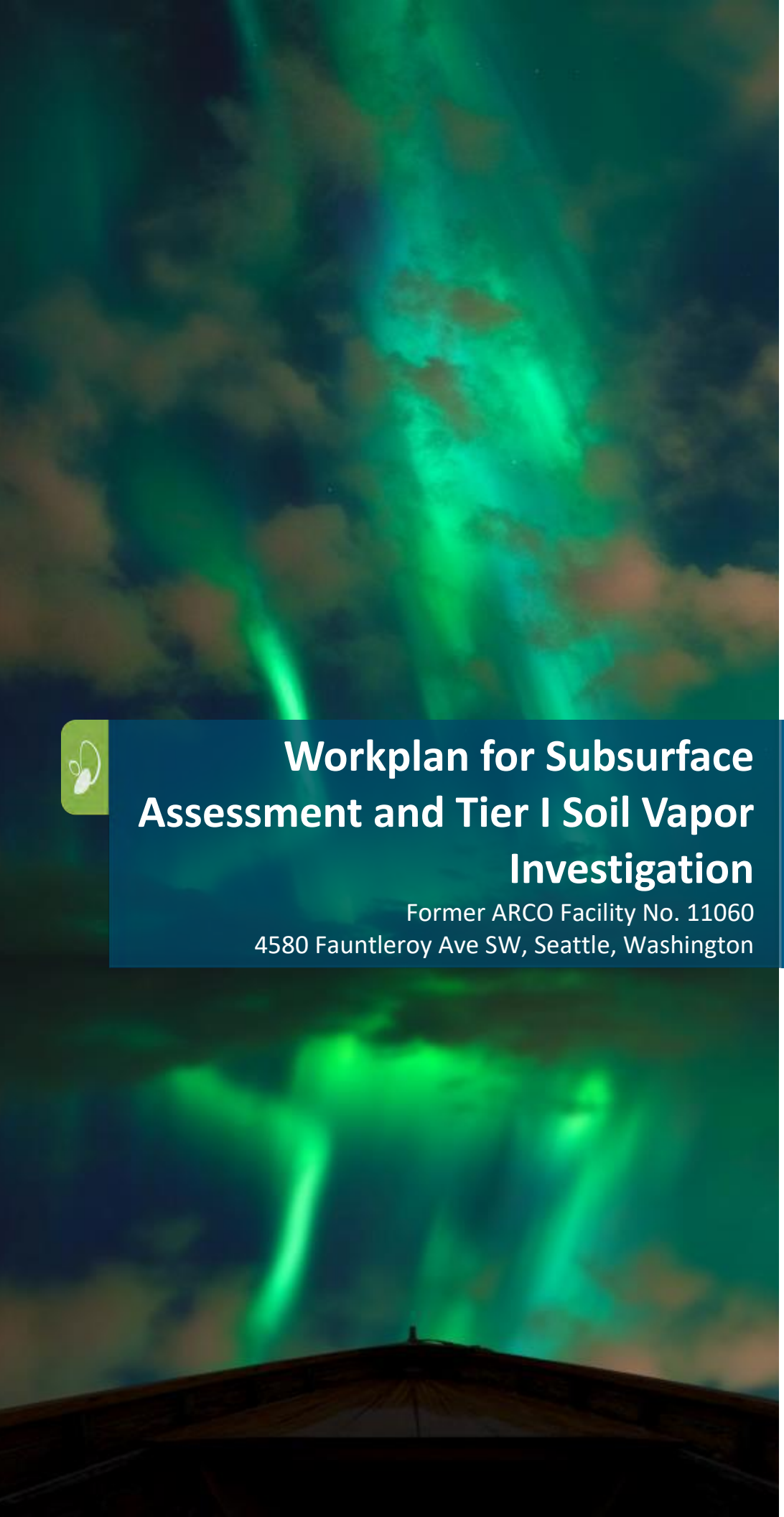

Workplan for Subsurface Assessment and Tier I Soil Vapor Investigation

Former ARCO Facility No. 11060
4580 Fauntleroy Ave SW, Seattle, Washington

Antea®Group

Understanding today.
Improving tomorrow.

PREPARED FOR
Remediation Management Services Company
An affiliate of Atlantic Richfield Company
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La Palma, CA 90623

PREPARED BY
Antea Group - Loveland, CO
September 8, 2023
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Workplan for Subsurface Assessment and Tier I Soil Vapor Investigation

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4580 Fauntleroy Ave SW, Seattle, Washington

1.0 INTRODUCTION

On behalf of Remediation Management Services Company (RMSC, an affiliate of Atlantic Richfield Company), Antea®Group (Antea Group) has prepared this *Workplan for Subsurface Investigation* at Former ARCO Facility No. 11060 located at 4580 Fauntleroy Way SW, Seattle, Washington (hereinafter referred to as the "Site"). The objective of the subsurface assessment and Tier I Soil Vapor Investigation is to delineate the extent of the Washington State Department of Ecology's (Ecology) Model Toxics Control Act (MTCA) Site boundary, evaluate effectiveness of the Soil Vapor Extraction (SVE) system in reducing historical soil impacts, and assess the soil vapor intrusion pathway onsite.

2.0 BACKGROUND

2.1 SITE DESCRIPTION

The Site is an active Shell branded retail gasoline station with a convenience store located on the east-northeast corner of the intersection of Fauntleroy Way SW and SW Alaska Street in Seattle, Washington. A **Site Location Map** and **Site Aerial Map** are presented as **Figures 1 and 2**, respectively. The Site extends east to the CHI Franciscan Health Center. The Site vicinity is a mix of commercial and residential land uses. The closest surface water body is Longfellow Creek located approximately ½ mile east of the Site. According to Google Earth, the Site is approximately 260 feet above mean sea level.

The Site is triangular with the station building on the eastern portion of the property. Other Site features include a canopy with one dispenser island on the southern portion, a canopy with two dispenser islands on the western portion of the property, and the Underground Storage Tank (UST) basin in the southeastern portion of the property. The Site surface consists of asphalt pavement and concrete except for planter features along the perimeter of the property. Site features are presented in **Figure 2**.

2.2 PREVIOUS INVESTIGATIONS AND REMEDIATION

A summary of the previous assessments is provided in Section 2.2.1 through 2.2.22. Site groundwater gauging and analytical data are presented on **Tables 1, 2, 3, 4 and 5,** respectively. Site soil analytical data is presented on **Table 6**. The **MTCA Site Boundary Map for Soil** is presented in **Figure 3**. Monitoring well boring logs and soil boring logs with impacted soil greater than MTCA Method A Cleanup Levels for the Site are included in **Appendix A**.

2.2.1 1992 – SUBSURFACE INVESTIGATION

On March 23, 1992, a soil and groundwater investigation was conducted to determine the extent of hydrocarbons in soil and groundwater. Three soil borings were advanced, but due to sloughing pea gravel, only soil boring/monitoring well MW-3 could be installed. Laboratory analytical results from soil samples collected at 13 and 18.5 feet below ground surface (bgs) exceeded the Total Petroleum Hydrocarbon as Gasoline (TPH-G)

MTCA Method A Clean Up level at 43 milligrams per kilogram (mg/Kg) and 140 mg/Kg, respectively. Benzene soil concentration exceeded the MTCA Method A Cleanup Level at a concentration of 0.94 mg/Kg. On April 8, 1992, a groundwater sample was collected from MW-3. Laboratory analytical results of the groundwater sample exceeded the MTCA Method A clean up limit for benzene at 11 micrograms per liter (ug/L) and Total Petroleum Hydrocarbon as Diesel (TPH-D,) at 670 ug/L (Geraghty & Miller 1992).

2.2.2 MAY 1993 - SUBSURFACE INVESTIGATION

In May 1993, a soil and groundwater investigation was conducted to provide additional information of residual petroleum hydrocarbons in soil and groundwater. Four soil borings were advanced and completed as monitoring wells MW-1, MW-2, MW-4, and MW-5. Samples were submitted for laboratory analysis of TPH-G, Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX). Laboratory analytical results from soil samples collected from MW-2 and MW-4 exceeded the TPH-G MTCA Method A Cleanup Level at 18 and 23 feet bgs, respectively. Concentrations at MW-2 were 190 mg/kg and concentrations at MW-4 were 1,200 mg/kg. Benzene and xylene soil concentration exceeded the MTCA Method A Cleanup Level at a concentration of 6.6 mg/Kg and 71 mg/Kg, respectively. In May and June 1993, groundwater samples were collected from MW-1 through MW-5. Laboratory analytical results of the groundwater samples exceeded the MTCA Method A Cleanup Level for TPH-G and benzene for all samples, toluene and ethylbenzene for MW-2 and MW-4, and xylene for MW-2, MW-4, and MW-5 (RZA AGRA, Inc. 1993).

2.2.3 MARCH 1994 - SUBSURFACE INVESTIGATION

In March 1994, Stage II vapor recovery equipment was installed, and soil samples were collected at depths of 1 to 2 feet bgs around the service islands, product lines, and tank pit. Soil sample analytical results indicated TPH-G concentrations ranging from 20 to 6,400 mg/Kg, TPH-D concentrations ranging from 90 to 25,000 mg/Kg, and TPH-O concentrations ranging from 100 to 590 mg/Kg. The highest hydrocarbon concentrations were detected in samples collected from backfill material within 2 feet below grade at the tank pit (Alisto Engineering Group, 1995).

2.2.4 FOURTH QUARTER 1994 - REMEDIATION ACTIVITY

During the fourth quarter of 1994, a passive product recovery unit (belt skimmer) was installed in MW-4. Approximately 3,800 gallons of total fluids have been recovered from MW-4 (Alisto Engineering Group, 1995).

2.2.5 MARCH 1995 - SVE WELL INSTALLATION

In March through May 1995, two soil borings, VW-1 and SP-1, were advanced to 28 and 38 feet bgs. In April 1998, the VW-1 name was changed to VE-1 as referenced from the Arcadis 11/19/2010 Soil Vapor Extraction Pilot Test Workplan. Soil samples from VE-1 taken at 10 and 25 feet bgs detected concentrations of TPH-G at 3,500 and 1,300 mg/Kg. No soil samples were collected from SP-1. Light non-aqueous phase liquid (LNAPL) was observed in VE-1 at a thickness of 0.08 feet. Groundwater samples collected from SP-1 detected TPH-G and benzene at concentrations of 310 and 52 ug/L.

In May 1995, an air sparge (AS) and vapor extraction test was conducted to determine sparge and vacuum remediation feasibility at the Site. An effective radius of influence of approximately 30 feet was determined achievable with an air flow rate of 10 cubic feet per meter (cfm) at 25 pounds per square inch (psi). The air flow required to maintain aerobic conditions was determined to be 0.816 standard cubic feet per meter (scfm) and recommended for 2 scfm. No vacuum pressure drawdowns were observed in any test well, however air samples collected during testing detected TPH-G concentrations of up to 1,500 part per million by volume (ppmv) and benzene concentrations of up to 14 ppmv (Alisto Engineering Group, 1995).

2.2.6 JUNE 1996 - WELL INSTALLATION

In June 1996, six combined air sparging and vapor extraction wells (CW-1 through CW-6) and one air sparging well (SP-2) were installed for a proposed remediation system. No samples were collected for laboratory analysis (Alisto, 1996).

2.2.7 JUNE 1997 - SUBSURFACE INVESTIGATION

In June 1997, monitoring well MW-6 was installed. Soil and groundwater samples collected from MW-6 were below MTCA Method A cleanup levels for TPH-G (Alisto Engineering Group, 1997).

2.2.8 1998 - WELL INSTALLATION AND ABANDONMENT

Groundwater samples were collected from monitoring wells MW-7 and MW-8 between April 1998 and June 1999. Details regarding the installation and abandonment of these wells are not known at this time (Delta Environmental Consultants, Inc., 2003).

2.2.9 JULY 2003 - INDOOR AIR SURVEY

In July 2003, indoor station air was tested for gasoline range hydrocarbons. Air was monitored using photoionization detector (PID) monitoring around the station area and passive organic vapor monitoring devices placed in select indoor and outdoor locations. In September 2003, additional two passive organic vapor monitoring devices were placed in the station building. PID monitoring and laboratory analytical from July and September concluded that air quality was within acceptable ranges during the times of investigation (Delta Environmental Consultants, Inc., 2003).

2.2.10 2007 - SUBSURFACE INVESTIGATION

In 2007, monitoring well GMW-1 was installed as part of Phase II activities on the CHI Franciscan property. Four soil samples and one groundwater sample were submitted for laboratory. All soil samples were below MTCA Method A Cleanup Levels for TPH-G and BTEX. The groundwater sample was below MTCA Method A Cleanup Levels for all analytes tested (TPH-G, TPH-D, and Lead) (Arcadis, 2011).

2.2.11 AUGUST 2010 - SUBSURFACE INVESTIGATION

In August 2010, one monitoring well (MW-9) was installed off-site and downgradient of the Site. Three soil samples were collected during installation and submitted for laboratory analysis. All soil samples did not contain concentrations of petroleum hydrocarbons greater than laboratory detection limits. The soil samples contained detectable concentrations of lead, none of which exceeded MTCA Method A Cleanup Levels (Arcadis, 2010).

2.2.12 JANUARY 2012 - SUBSURFACE INVESTIGATION

In January 2012, three extraction wells (EW-1 through EW-3), one monitoring well (MW-10), and four soil borings (SB-1 through SB-4) were advanced at the Site. Two to four soil samples were submitted for laboratory analysis from each boring. Soil samples exceeded MTCA Method A Cleanup Levels for TPH-G from borings SB-1 through SB-4 and EW-1 through EW-3, TPH-D and TPH-O from boring SB-3, benzene from boring SB-3, SB-4, EW-1 through EW-3, toluene from boring EW-1, ethylbenzene from SB-3 and EW-1, total xylenes from SB-3 and EW-1, and benzo[a]pyrene from SB-3 (Arcadis, 2013).

2.2.13 AUGUST 2012 – REMEDIATION - PRODUCT RECOVERY

Product recovery activities were conducted at wells MW-4 and VE-1. In 1994, a belt skimmer was installed in MW-4 as an interim remedial measure for recovery LNAPL. In August 2013, the belt skimmer was removed and

decommissioned from MW-4 due to the water table dropping below the level of the belt skimmer. (Arcadis, 2011).

2.2.14 JUNE 2014 - SUBSURFACE INVESTIGATION AND REMEDIATION WELL INSTALLATION

In 2014, six AS wells (AS-1 through AS-6) and five SVE wells (VE-1 through VE-5) were installed for the AS/SVE remediation system. Combined AS/SVE wells CW-2 through CW-4 were incorporated into the remediation system. Soil samples collected during well installation activity contained concentrations of petroleum hydrocarbons exceeding MTCA Method A Cleanup Levels for TPH-G from borings AS-3, AS-6, and VE-4, benzene from borings AS-3, AS-5, and AS-6, toluene from boring AS-3, ethylbenzene from boring AS-3, total xylenes from boring AS-3, and cPAHs from borings AS-3 and VE-4 (Arcadis, 2015).

2.2.15 2015 - REMEDIATION SYSTEM INSTALLATION

Between October and November 2015, AS/SVE remediation system trenching and underground conveyance piping were installed to the system equipment compound. In January 2016, AS/SVE system equipment was placed, a well manifold was constructed, and the remediation wells were connected to the system compound. The AS system equipment consisted of a 15 horsepower (HP) air compressor capable of 90 scfm at 28 psi, nine AS wells, remedial piping, and a 5-well manifold connected with solenoid valves for pulsing operations. The SVE system equipment consisted of a 5 HP blower capable of 120 scfm at 80 inches of water (in WC) vacuum, eight SVE wells, a 5-well manifold with an additional two individual SVE lines, remedial piping, knock-out tank, vapor control valve (VCV), FALCO electric catalytic oxidizer, and round pipe effluent stack. The system was equipped with a programmable logic controller for automated operation. Safety devices were equipped throughout the system. Notice of Construction No 10813 and Registration No. 29664 was issued by Puget Sound Clean Air Agency (PSCAA) (Arcadis, 2016).

2.2.16 OCTOBER 2018 - SUBSURFACE INVESTIGATION

In October 2018, two soil borings were advanced and completed as monitoring wells MW-11 and MW-12. Soil samples collected during well installation activities contained concentrations of TPH-G exceeding MTCA Method A Cleanup Levels from boring MW-12 (Arcadis, 2018).

2.2.17 2021 - REMEDIATION SYSTEM AIR SPARGE PILOT TESTS

In July 2021, an AS pilot test was conducted to determine if low sparge pressure operations were feasible at the Site. Positive pressures were observed in test wells during lowest achievable flow rate in AS wells and higher than typical vacuum operation in SVE wells. The catalytic oxidizer unit did not have consistent operation due to electrical component issues causing inconsistent SVE and system operation during the test. A second pilot test with continuous SVE operation was determined necessary.

In September and October 2021, a second AS test was performed after fixing the catalytical oxidizer component. To test subsurface pressure changes and potential for pulsed air sparge operations, AS was introduced at the lowest achievable flow rate and later shut down. A second round of AS startup and shutdown was performed. SVE operation was continuous throughout the test to apply a constant vacuum to the subsurface and try to overcome positive AS pressures. During the test, positive pressures were observed in the test wells while AS and SVE were operational. When AS was shutdown, vacuum conditions were observed in the test wells. Combined SVE well influent PID readings increased from 24 ppmv to 29.5 ppm when AS was operational. Individual SVE wells VE-1 and VE-2 increased from 19.4 ppmv to 453.4 ppmv and 74.7 ppmv to 417.3 ppmv, respectively, when AS was operational (Antea, 2021).

2.2.18 DECEMBER 2022 - PETROFIX INJECTION

In December 2022, a PetroFix amendment injection pilot study was conducted. Baseline groundwater monitoring was conducted prior to the injection. Approximately 1,600 pounds of PetroFix amendment and 819 gallons of water were injected in EW-1 through EW-3 and MW-4. Continuous monitoring of observations wells for depth to groundwater, pressure, and PetroFix surfacing was conducted throughout the test. Following the injection test, performance groundwater sampling occurred (Antea, 2022).

2.3 CURRENT SITE STATUS

The Site is listed on Ecology's Leaking Underground Storage Tanks (LUST) list with facility site ID 99437681 and Cleanup Site ID 11357. The Site is enrolled in Ecology's Voluntary Cleanup Program (VCP) with VCP ID NW3308. There are currently six monitoring wells on the Shell property, four monitoring wells on the CHI Franciscan property, and one well in the Right of Way (ROW) of SW Alaska Street. A MTCA Site Boundary Map for Soil, Historical Groundwater, and Current Groundwater (May 2023) analytical are provided as **Figure 3, Figure 4, and Figure 5**, respectively.

3.0 SITE GEOLOGY AND HYDROGEOLOGY

The area is in the Puget Sound Lowland geomorphic province, which consists mainly of glacially deposited sediments. The Puget Sound Lowland is a basin lying between the Cascade Mountains to the east and the Olympic Mountains (coastal range) to the west. At least five major advances of continental glacial ice have been identified as having occurred in the Puget Sound Lowlands. Geologic units resulting from these glacial events include complex sequences of lacustrine deposits, advance outwash, glaciomarine drift, till, and recessional outwash. More recent erosional processes have deposited alluvial sand and gravel, primarily along river valleys.

The Site vicinity is underlain by Alderwood Soils, which is a Quaternary stratified sequence consisting of sandy loam with varying amounts of gravel. In addition, Alderwood soils are considered hydrologically as Class C, which indicates slow infiltration rates with layers impeding downward movement of water, or soils with moderately fine or fine textures. Soils observed at the Site during previous investigations include dense to very dense clays, silty sand, sand, gravelly sand, and sandy gravel. Groundwater levels in the vicinity have dropped in recent years, likely attributable to dewatering activities related to redevelopment. As a result, many wells are dry during the summer season. Available boring logs are included as **Appendix A**.

4.0 OBJECTIVES AND SCOPE OF WORK

The objective of the assessment is to delineate the nature and extent of contamination in soil, groundwater, and soil vapor at the Site. Proposed soil boring, soil vapor point, and monitoring well locations are presented in **Figure 6**.

The investigation scope of work will include the following:

- Update the Health and Safety Plan (HASP) for the Site.
- Request a public locate via the One-Call Notification Center.
- Conduct a meeting with subcontractors to develop Level 2 Task Risk Assessment (TRA).
- Contract Applied Professional Services (APS) of North Bend, WA to identify all private utilities at the Site.
- If warranted, expose utilities within 2 feet of proposed well locations.
- Conduct utility pre-clearance at each boring location to a minimum of 6.5 feet bgs using a vacuum truck and air-knife.

- Advance four monitoring wells to depths between 30 and 35 feet bgs using a sonic drill rig.
- Advance three soil borings to depths between 25 and 35 feet bgs.
- Advance two soil vapor wells to approximate depths of 5 feet bgs.
- Collect soil samples and submit select samples for quantitative chemical analyses.
- Waste to be containerized in 55-gallon drums, pending offsite disposal.
- Survey the locations and relative vertical elevations of the monitoring wells.
- Interpret the data obtained.
- Prepare a report detailing the findings of the investigation.

4.1 SUBSURFACE INVESTIGATION

Per Antea Group Defined Practice for Ground Disturbance, all borings must be cleared to a minimum of 6.5 feet bgs utilizing a vacuum truck with air-knife and/or hand tools. Once soil borings are cleared to 6.5 feet bgs, a licensed driller will advance the borings using a sonic drilling rig. Soil borings will be decommissioned by a licensed well driller by backfilling the borings with hydrated bentonite chips and restoring the original surface to grade. Soil vapor point wells will be advanced using a hand auger.

4.1.1 MONITORING WELLS

Antea Group is proposing to advance up to four soil borings to depths up to approximately 30 feet bgs. Based on soil sample field screening, collection of additional soil samples for laboratory analyses may be warranted. The rationale for each location is provided below:

Proposed Monitoring Wells	Rationale for Location	Observed Soil Impacts Near Proposed Location (feet bgs)	Proposed Soil Sampling Depths (feet bgs)
MW-13	Assess historical groundwater concentrations cross-gradient of MW-6.	No	NA
MW-14	Assess historical soil and groundwater concentrations up-gradient of MW-3 (13 and 18.5 ft.).	13, 18.5	5, 10, 15, 20, 25
MW-15	Assess historical soil concentrations up and cross-gradient of AS-6 (25 ft.) & EW-3 (15 and 20 ft.) and groundwater concentrations of MW-4.	15, 20, 25	5, 10, 15, 20, 25, 30
MW-16	Assess historical groundwater concentrations cross-gradient of MW-1.	No	5, 10, 15, 20, 25, 30

4.1.2 SOIL BORINGS

Antea Group is proposing to advance up to three soil borings to depths up to 35 feet bgs. Based on soil sample field screening, collection of additional soil samples for laboratory analyses may be warranted. The rationale for each location is provided below:

Proposed Soil Borings	Rationale for Location	Observed Soil Impacts Near Proposed Location (feet bgs)	Proposed Soil Sampling Depths (feet bgs)
SB-7	Assess remediation system performance near SB-2 (20 ft.) and AS-1 (20 ft.)	20	5, 10, 15, 20, 25
SB-8	Assess remediation system performance near SB-3 and VE-4 (10 ft.)	5, 10, 20, 50	5, 10, 15, 20, 25
SB-9	Assess remediation system performance near EW-1, (15, 25 and 30 ft.) B-1 (4 ft.), and VE-1 (10 and 25 ft.)	4, 10, 15, 20, 25, 30	4, 10, 15, 20, 25, 30, 35

4.1.3 SOIL VAPOR POINTS

Antea Group is proposing to advance up to two soil vapor points to depths approximately 5 feet bgs. The rationale for each location is provided below:

Proposed Soil Vapor Points	Rationale	Proposed Installation Depth (feet bgs)
SVP-1	Due to historical soil impacts at SB-3, assess near slab soil vapor concentrations on the north side of the station building	5
SVP-2	Due to historical soil impacts at SB-4, assess near slab soil vapor concentrations on the south side of the station building	5

5.0 NEAR-SLAB SOIL VAPOR PROBE INSTALLATION

Antea Group will contract with licensed driller for the installation of a soil vapor probes adjacent to the station building. Vapor probe installation activity will include asphalt break out (SVP-1 and SVP-2), borehole advancement using a hand auger, installation of soil vapor probe, and surface restoration with a flush-mounted well monument. The probes will be constructed of a 6-inch-long dedicated stainless steel vapor screen fitted with Teflon tubing to grade. An air-tight valve will be used at the end of the tubing and will be maintained in a closed position, except during sampling. The vapor screen will be set at approximately 5 to 5.5 feet bgs. Size 10/20 silica sand will be used to fill the annular space. The sand pack will be from 4.75 to 5.75 feet bgs. The soil vapor probe will be sealed with dry bentonite chips between 3.5 and 4.75 feet bgs, followed by a pre-hydrated bentonite between 1.5 and 3.5 feet bgs, and completed with concrete and a traffic-rated flush-mount monument to grade. No soil samples will be collected during the installation of the soil vapor probes.

6.0 MONITORING WELL INSTALLATION

A licensed driller will advance the borings/monitoring wells using a sonic drill rig. Monitoring wells MW-13, MW-14, MW-15 and MW-16 will be completed utilizing 2-inch diameter schedule 40 polyvinyl chloride (PVC) to an approximate total depth of 35 feet, with 15 feet of 0.010-inch slotted screen from 20 to 35 feet bgs. Total well depth and screened interval may need to be adjusted based on conditions observed in the field. Each well will be backfilled with sand to 2 feet above the screen, followed by a bentonite seal to 18-inches bgs. The wells will be completed to ground surface using flush-mounted well lids.

6.1 WELL DEVELOPMENT

The wells will be developed following installation by removing the equivalent of approximately 10 casing volumes of groundwater or until suspended sediment levels decrease. Well development is performed to produce representative formation water that is free of material potentially introduced during drilling and well construction activities.

6.2 SURVEYING

The location and elevation of the monitoring wells will be surveyed. Vertical control will be relative to an arbitrary vertical datum or previously identified vertical datum. Elevations will be surveyed to the nearest 0.01 foot.

7.0 SAMPLING AND ANALYSIS PLAN

Discrete soil samples will be collected from each advanced soil boring to characterize site soils with respect to petroleum hydrocarbon impacts. All borings will be completed by a professional well driller licensed in the State of Washington.

7.1 SOIL SAMPLING

For shallow soil sample collection (less than 6.5 feet bgs), the subcontractor will cease air knife and vacuum truck operations 18 inches above the desired sample depth. A clean hand auger will be used to obtain the sample. For deep soil sample collection (greater than 6.5 feet bgs), soils from the sonic core sampler will be directly deposited to clean, single-use plastic sleeves where the soils can be observed and sampled from.

7.1.1 SOIL SAMPLING PROCEDURES

Soil samples will be collected directly from the source using a single-use syringe sampler and placed into laboratory-supplied 40-milliliter (mL) VOA vials preserved with methanol in accordance with Environmental Protection Agency (EPA) Method 5035A. Additional soil will be placed into 4 to 8-ounce laboratory-supplied glass soil jars. The samples will be labeled and immediately placed in cold storage until submitted to the laboratory for analysis. The samples will be transported to Eurofins Frontier Global Sciences, LLC (Eurofins) in Tacoma, Washington for quantitative chemical analysis following chain-of-custody documentation.

After sample collection, soil will be field screened for the presence of volatile organic compounds with a PID to aid in the facilitation of selecting representative soil samples for chemical analysis. Clear plastic bags will be filled to one-third to half capacity and then sealed. Soils in the bags will then be gently agitated to facilitate the breakup of any lumps and allowed to sit for approximately ten minutes prior to analyzing the air above the soil in the bag. The maximum vapor concentration will be recorded for each soil sample collected.

Each boring will be logged in accordance with standard geologic practices for the environmental industry. Boring logs will include detailed descriptions of materials encountered during drilling using the Unified Soil Classification System (USCS) (ASTM Standard D-2488-93). Boring log descriptions may include field density, moisture content, color, the presence of fill, debris, and any indication of contamination (visual or odors).

7.1.2 SOIL SAMPLE DESIGNATIONS

Soil samples will be assigned a unique identification code. The sample designation consists of the boring location number and the depth or depth interval. For example, the designation "SB-7-5" identifies a soil sample collected at 5 feet bgs from boring location SB-7.

7.2 GROUNDWATER SAMPLING

Groundwater samples will be collected following monitoring well installation and development. Field and laboratory methods associated with groundwater samples are described below. The groundwater monitoring wells will be allowed to stabilize for a minimum of 48 hours following well development before samples are collected.

7.2.1 GROUNDWATER SAMPLING PROCEDURES

The depth to water in each monitoring well will be measured using an interface probe to assess the presence of LNAPL. Groundwater samples will be collected using low flow groundwater sampling procedures. The low flow sampling method utilizes a peristaltic pump, dedicated silicone and polyethylene tubing, and a flow-through cell connected to a multi-parameter meter. The silicone tubing is used for the section around the rotor head of the peristaltic pump while the dedicated polyethylene tubing is used to draw water from the monitoring well. The end of the tubing will be lowered to the center of the screened interval to ensure formation water is being drawn into the pump. Each well is then purged at a slow speed (< 500 mL/minute) until the field parameters stabilize. The field parameters are recorded at three to five-minute intervals until stabilization. Field parameters include turbidity, temperature, specific conductivity, pH, oxidation reduction potential (ORP), and dissolved oxygen (DO). After stabilization, the groundwater is collected directly from the polyethylene tubing into the appropriate laboratory-supplied containers and placed in a cooler with ice.

7.3 SOIL VAPOR POINT SAMPLING

Following the vapor probe installation, soil gas conditions will be allowed to equilibrate. At least 48 hours after installation, leak detection testing will be performed on the vapor sampling system. A shut-in test will be performed on the sampling train from the vapor probe tubing termination to the sample container (Summa canister). The system will consist of a two-way valve at the vapor probe termination, a vacuum gauge, and a three-way valve with gastight syringe. The two-way valve will be closed, and the vacuum will be applied by drawing back the syringe plunger. The three-way valve will be closed, and the vacuum will be monitored for 15 minutes. If the sampling train does not hold the vacuum, the connections will be rechecked and the shut-in test repeated.

The second leak detection test will utilize a trace gas to confirm the integrity of the sampling train. A shroud will be placed around the vapor probe surface completion and a vacuum will be applied to the sampling train. The soil gas probe will be purged of three volumes with a 50-cubic centimeter (cc) gastight syringe or peristaltic pump. The trace element (helium) is deployed around the probe surface to ensure that there are no leaks in the surface seal or design. A field helium detector will be used to measure the helium under the shroud, and in the effluent tubing. If the helium concentration from the effluent tubing on the sampling train is greater than zero, the sampling system may be compromised. The leak will be found and corrected, and the helium test will be run again. The process will continue until the helium in the effluent tubing is zero.

After the helium leak detection test and purge is complete, samples will be collected in a laboratory supplied 6-liter Summa canister fitted with a vacuum gauge and submitted to a state accredited laboratory for analysis. The Summa canister will also be fitted with a flow regulator set at approximately 150 milliliters per minute (mL/min). The start time and vacuum gauge reading will be noted when sampling is initiated, and the valve is twisted to the open position on the Summa canister. The vacuum gauge should read approximately -28 inches mercury (inHg) when it is first attached, and the valve on the Summa canister will be closed and the time will be noted when the vacuum gauge reaches 3 to 5 inHg vacuum. Sampling methods will be consistent with the P*etroleum Vapor Intrusion Guidance Document* prepared by The Interstate Technology & Regulatory Council (ITRC),

Petroleum Vapor Intrusion Team, dated October 2014. The entire Summa canister and regulator assembly will be shipped to the laboratory under proper chain-of-custody protocols.

7.4 QUANTITATIVE LABORATORY ANALYSIS

All soil and groundwater sample containers will be labeled, placed in a field cooler after collection, and packed with ice pending transport to Eurofins. Standard chain-of-custody procedures will be used for all samples submitted to the laboratory. A temperature compliance vial will accompany each cooler to verify that proper holding temperatures were maintained during transport.

A chain-of-custody form sealed in a plastic zippered bag will accompany each sample cooler containing laboratory samples. The Antea Group field personnel will retain a copy of the chain-of-custody, and the original will be sent with the samples to the laboratory.

Soil samples selected for chemical analysis will be delivered to Eurofins and analyzed within standard holding times. The soil samples will be analyzed for constituents listed in Table 830-1, Required Testing for Petroleum Releases, Gasoline Range Organics, of the Ecology MTCA Cleanup Regulation, Chapter 173-340 WAC. Soil samples will be analyzed for the following constituents of concern (COCs):

- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) and methyl-tertiary-butyl ether (MTBE) by EPA Method 8260B.
- Naphthalenes (naphthalene, 1-methyl-naphthalene, and 2-methyl-naphthalene) by EPA 8270 SIM.
- TPH-G by Northwest Method NWTPH-Gx.
- TPH-D and TPH-O by Northwest Method NWTPH-Dx without silica gel cleanup.
- Total Lead by EPA Method 6020A.

One composite sample collected from soil cuttings will be analyzed for the following COCs for waste characterization purposes only:

- Resource Conservation and Recovery Act (RCRA) 8 Metals by EPA Method 6020 and EPA Method 7471.

Groundwater samples selected for chemical analysis will be delivered to Eurofins and analyzed within standard holding times. The groundwater samples will be analyzed for constituents listed in Table 830-1, Required Testing for Petroleum Releases, Gasoline Range Organics, of the Ecology MTCA Cleanup Regulation, Chapter 173-340 WAC. Groundwater samples will be analyzed for the following COCs:

- Benzene, toluene, ethylbenzene (BTEX) and methyl-tertiary-butyl ether (MTBE) by EPA Method 8260B.
- Naphthalenes (naphthalene, 1-methyl-naphthalene, and 2-methyl-naphthalene) by EPA 8270 SIM.
- TPH-G by Northwest Method NWTPH-Gx.
- TPH-D and TPH-O by Northwest Method NWTPH-Dx without silica gel cleanup.
- Total lead and dissolved lead using EPA 6000/7000 Series Methods.

In accordance with the time schedule for this project, all soil and groundwater samples will be submitted for regular turn-around analyses with Eurofins. Rush analyses will be requested if field conditions necessitate expedited analyses.

Soil vapor samples will be submitted to ALS Environmental of Simi Valley, California and will be analyzed for the following constituents:

- Petroleum EC fractions/APH – EC5-8 (Aliphatics), EC9-12 (Aliphatics) and EC9-10 (Aromatics) by Massachusetts DEP APH Test Methods.

- BTEX, naphthalene by EPA Method TO15.
- Fixed Gases – helium, carbon dioxide, oxygen, and methane by ASTM Method D1946.

7.5 EQUIPMENT DECONTAMINATION

Soil sampling equipment will be decontaminated prior to initiating sampling activities, between sampling locations, and upon completion of sampling activities. Field sampling equipment used in the collection of soil samples will be decontaminated by washing with non-phosphate detergent and rinsing with deionized water. Drilling equipment that directly contacts soil samples will be decontaminated after each exploration. Attached soil will be brushed off and any remaining visible soil will be removed using a pressure washer.

7.6 FIELD QUALITY CONTROL AND DOCUMENTATION

Samples will be kept in sight of the sampling crew or in a secure, locked vehicle at all times. Transfer of samples from field personnel to the laboratory will be documented using chain-of-custody procedures. If someone other than the sample collector transports samples to the laboratory, the collector will sign and date the Chain-of-Custody Record and insert the name of the person or firm transporting the samples under “transported by” before sealing the container with a Custody Seal.

Field personnel will record required field information for each sampling location. The person recording the data will review all data and log forms daily, so that any errors or omissions can be corrected. All completed data sheets will be removed daily from the field, photocopied, and stored in the project file.

7.7 INVESTIGATION-DERIVED WASTE

Investigation-derived wastes (IDW) in the form of soil cuttings, decontamination, and purge water are expected to be generated during field activities. All IDW generated during field activities will be placed in Department of Transportation (DOT) approved 55-gallon drums. The drums will be sealed, labeled, and temporarily stored on the Site. Arrangements for proper disposal and/or recycling of IDW will be made upon receipt of final analytical results for soil and groundwater. All IDW will be disposed of by an approved RM contractor.

8.0 SCHEDULE

Field activities outlined in this workplan are planned for the third quarter 2023 pending RM’s review and approval of this workplan through the project management framework procedures. This schedule may be delayed or accelerated by access negotiations (permitting), contractor availability, weather, or other factors. All other workplan contingencies are included in **Appendix B**.

9.0 DATA EVALUATION AND REPORT GENERATION

A written report will be prepared describing the results of field activities, analytical results, and data evaluation results. Conclusions and recommendations regarding the results of field activities and potential future work, if warranted, will be included in the report. The report will include tables, maps, figures, and appendices pertinent to the data collected during field activities.

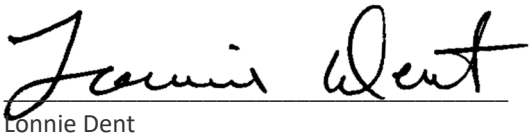
10.0 REMARKS

The recommendations contained in this report represent Antea USA, Inc.'s professional opinions based upon the currently available information and are arrived at in accordance with currently accepted professional standards. This report is based upon a specific scope of work requested by the client. The contract between Antea USA, Inc. and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report were performed. This report is intended only for the use of Antea USA, Inc.'s client and anyone else specifically identified in writing by Antea USA, Inc. as a user of this report. Antea USA, Inc. will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Antea USA, Inc. makes no express or implied warranty as to the contents of this report.

Prepared by:

Jonah Leurquin
Project Professional

Date: September 8, 2023



Lonnie Dent
Senior Project Manager

Date: September 8, 2023

Reviewed by:

Megan Richard, LG
Senior Project Manager

Date: September 8, 2023

cc: Mr. Michael Warfel, Washington Department of Ecology, Northwest Regional Office (Electronic Copy)
Mr. Richard Wright, Jackson Energy (Electronic Copy)
Mr. Wade Melton, Remediation Management Services Company (Electronic Copy - RMO Upload)
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11.0 CONTACT INFORMATION

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12.0 REFERENCES

Geraghty & Miller, Inc. 1992. “Site Characterization BP Oil Company Service Station No. 11060 Seattle, Washington” December 23.
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Tables

Table 1
Groundwater Gauging Data
Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
AS-1	5/7/2015	--	23.30	NP	--	--	NS
AS-1	3/2/2016	--	23.31	NP	--	--	NS
AS-2	3/2/2016	--	21.18	NP	--	--	NS
AS-3	3/2/2016	--	21.63	NP	--	--	NS
AS-4	3/2/2016	--	21.65	NP	--	--	NS
AS-5	3/2/2016	--	--	--	--	--	Dry
AS-6	3/2/2016	--	25.61	NP	--	--	NS
CW-2	3/2/2016	--	19.53	NP	--	--	NS
CW-3	3/2/2016	--	21.57	NP	--	--	NS
CW-4	3/2/2016	--	20.61	NP	--	--	NS
EW-1	5/9/2013	268.20	24.49	24.32	0.17	243.85	--
EW-1	5/7/2015	268.20	25.75	24.73	1.02	243.27	--
EW-1	3/2/2016	268.20	24.81	NP	--	243.39	NS
EW-1	6/6/2016	268.20	25.94	25.28	0.66	242.79	--
EW-1	9/12/2016	268.20	26.89	26.16	0.73	241.89	--
EW-1	12/12/2016	268.20	25.49	24.70	0.79	243.34	--
EW-1	2/22/2017	268.20	24.98	24.20	0.78	243.84	--
EW-1	8/29/2017	268.20	26.28	25.68	0.60	242.40	--
EW-1	10/25/2018	268.20	27.52	NP	--	240.68	NS
EW-1	2/20/2019	268.20	26.85	NP	--	241.35	NS
EW-1	5/14/2019	268.20	27.18	NP	--	241.02	NS
EW-1	8/27/2019	268.20	27.83	NP	--	240.37	NS
EW-1	11/25/2019	268.20	27.84	NP	--	240.36	NS
EW-1	3/25/2020	268.20	26.50	NP	--	241.70	NS
EW-1	8/6/2020	268.20	26.85	NP	--	241.35	NS
EW-2	5/9/2013	267.93	24.11	NP	--	243.82	NS
EW-2	5/7/2015	267.93	24.78	NP	--	243.15	NS
EW-2	3/2/2016	267.93	24.80	NP	--	243.13	NS
EW-2	6/6/2016	267.93	25.17	NP	--	242.76	NS
EW-2	9/12/2016	267.93	26.22	NP	--	241.71	NS
EW-2	12/12/2016	267.93	24.64	NP	--	243.29	NS
EW-2	2/22/2017	267.93	24.10	NP	--	243.83	NS
EW-2	8/29/2017	267.93	25.56	NP	--	242.37	NS
EW-2	10/25/2018	267.93	27.30	NP	--	240.63	NS
EW-2	2/20/2019	267.93	26.52	NP	--	241.41	NS
EW-2	5/14/2019	267.93	26.96	NP	--	240.97	NS
EW-2	8/27/2019	267.93	27.65	NP	--	240.28	NS
EW-2	11/25/2019	267.93	27.81	NP	--	240.12	NS
EW-2	3/25/2020	267.93	26.21	NP	--	241.72	NS
EW-2	8/6/2020	267.93	26.61	NP	--	241.32	NS
EW-3	5/9/2013	268.50	24.90	24.59	0.31	243.85	--
EW-3	5/7/2015	268.50	25.77	23.23	2.54	244.76	--
EW-3	3/2/2016	268.50	25.44	25.19	0.25	243.26	--
EW-3	9/12/2016	268.50	27.17	25.63	1.54	242.56	--
EW-3	12/12/2016	268.50	25.58	24.75	0.83	243.58	--
EW-3	2/22/2017	268.50	25.06	24.22	0.84	244.11	--
EW-3	8/29/2017	268.50	26.75	25.99	0.76	242.36	--

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Former ARCO Facility No. 11060
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Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
EW-3	10/25/2018	268.50	27.81	NP	--	240.69	NS
EW-3	2/20/2019	268.50	26.93	NP	--	241.57	NS
EW-3	5/14/2019	268.50	27.45	NP	--	241.05	NS
EW-3	8/27/2019	268.50	27.98	NP	--	240.52	NS
EW-3	11/25/2019	268.50	27.98	NP	--	240.52	NS
EW-3	3/25/2020	268.50	26.69	NP	--	241.81	NS
EW-3	8/6/2020	268.50	27.11	NP	--	241.39	NS
GMW-1	5/10/2011	--	22.08	NP	--	--	--
GMW-1	11/29/2011	--	23.83	NP	--	--	--
GMW-1	6/1/2012	--	--	--	--	--	NM
GMW-1	11/29/2012	265.63	--	--	--	--	NM
GMW-1	5/9/2013	265.63	22.58	NP	--	243.05	--
GMW-1	11/19/2013	265.63	24.00	NP	--	241.63	--
GMW-1	5/13/2014	265.63	22.83	NP	--	242.80	NS
GMW-1	5/14/2014	265.63	--	--	--	--	--
GMW-1	5/7/2015	265.63	23.48	NP	--	242.15	--
GMW-1	3/2/2016	265.63	22.48	NP	--	243.15	--
GMW-1	6/6/2016	265.63	23.51	NP	--	242.12	--
GMW-1	9/12/2016	265.63	24.89	NP	--	240.74	--
GMW-1	12/12/2016	265.63	22.95	NP	--	242.68	--
GMW-1	2/22/2017	265.63	22.02	NP	--	243.61	--
GMW-1	8/29/2017	265.63	23.86	NP	--	241.77	--
GMW-1	3/13/2018	265.63	23.20	NP	--	242.43	--
GMW-1	10/25/2018	265.63	26.22	26.16	0.06	239.46	--
GMW-1	2/20/2019	265.63	24.34	NP	--	241.29	--
GMW-1	5/13/2019	265.63	25.28	NP	--	240.35	--
GMW-1	8/27/2019	265.63	26.68	NP	--	238.95	--
GMW-1	11/25/2019	265.63	26.95	26.90	0.05	238.72	NS
GMW-1	3/25/2020	265.63	24.91	NP	--	240.72	--
GMW-1	6/2/2020	265.63	25.05	NP	--	240.58	--
GMW-1	8/6/2020	265.63	25.92	NP	--	239.71	--
GMW-1	12/10/2020	265.63	25.50	25.49	0.01	240.14	--
GMW-1	3/8/2021	265.63	23.35	NP	--	242.28	--
GMW-1	6/9/2021	265.63	24.62	NP	--	241.01	--
GMW-1	9/13/2021	265.63	26.70	NP	--	238.93	Dry
GMW-1	12/7/2021	265.63	24.55	NP	--	241.08	--
GMW-1	9/22/2022	265.63	25.45	NP	--	240.18	--
GMW-1	11/29/2022	265.63	26.24	NP	--	239.39	--
GMW-1	2/27/2023	265.63	24.34	NP	--	241.29	--
GMW-1	5/25/2023	265.63	24.30	NP	--	241.33	--
MW-1	5/11/1993	99.89	23.02	NP	--	76.87	--
MW-1	3/4/1994	99.89	24.32	NP	--	75.57	--
MW-1	7/6/1994	99.89	24.60	NP	--	75.29	--
MW-1	10/7/1994	99.89	24.97	NP	--	74.92	--
MW-1	12/28/1994	99.89	24.86	NP	--	75.03	--
MW-1	3/13/1995	99.89	24.16	NP	--	75.73	--
MW-1	6/30/1995	99.89	23.98	NP	--	75.91	--
MW-1	9/6/1995	99.89	24.30	NP	--	75.59	--
MW-1	12/8/1995	99.89	24.41	NP	--	75.48	--
MW-1	3/11/1996	99.89	23.11	NP	--	76.78	--
MW-1	6/18/1996	99.89	22.80	NP	--	77.09	--
MW-1	9/9/1996	99.89	23.11	NP	--	76.78	--
MW-1	12/11/1996	99.89	23.07	NP	--	76.82	--
MW-1	3/13/1997	99.89	22.12	NP	--	77.77	--
MW-1	6/5/1997	99.89	21.75	NP	--	78.14	--
MW-1	9/5/1997	99.89	22.03	NP	--	77.86	--

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Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-1	4/2/1998	99.89	21.27	NP	--	78.62	--
MW-1	6/8/1998	99.89	21.53	NP	--	78.36	--
MW-1	12/9/1998	99.89	22.22	NP	--	77.67	--
MW-1	6/26/1999	99.89	21.08	NP	--	78.81	--
MW-1	9/28/1999	99.89	21.88	NP	--	78.01	--
MW-1	1/19/2000	99.89	21.46	NP	--	78.43	--
MW-1	3/24/2000	99.89	21.40	NP	--	78.49	--
MW-1	7/2/2000	99.89	21.92	NP	--	77.97	--
MW-1	9/14/2000	99.89	22.54	NP	--	77.35	--
MW-1	12/14/2000	99.89	22.81	NP	--	77.08	--
MW-1	9/22/2001	99.89	23.55	NP	--	76.34	--
MW-1	12/9/2001	99.89	23.63	NP	--	76.26	--
MW-1	3/20/2002	99.89	22.88	NP	--	77.01	--
MW-1	6/11/2002	99.89	23.02	NP	--	76.87	--
MW-1	12/21/2002	99.89	24.54	NP	--	75.35	NS
MW-1	3/19/2003	99.89	24.50	NP	--	75.39	NS
MW-1	6/18/2003	99.89	24.36	NP	--	75.53	NS
MW-1	9/23/2003	99.89	--	--	--	--	NS
MW-1	10/21/2003	99.89	25.04	NP	--	74.85	--
MW-1	6/29/2004	99.89	24.22	NP	--	75.67	NS
MW-1	11/15/2004	99.89	25.11	NP	--	74.78	NS
MW-1	4/14/2005	99.89	25.10	NP	--	74.79	NS
MW-1	12/18/2005	99.89	25.46	NP	--	74.43	--
MW-1	6/11/2006	99.89	24.54	NP	--	75.35	--
MW-1	11/5/2006	99.89	25.59	NP	--	74.30	--
MW-1	9/25/2007	99.89	25.08	NP	--	74.81	--
MW-1	12/31/2007	99.89	25.23	NP	--	74.66	--
MW-1	5/29/2008	99.89	25.01	NP	--	74.88	--
MW-1	10/28/2008	99.89	25.80	NP	--	74.09	--
MW-1	6/22/2009	99.89	26.11	NP	--	73.78	--
MW-1	12/15/2009	99.89	26.31	NP	--	73.58	--
MW-1	5/24/2010	267.43	25.20	NP	--	242.23	--
MW-1	10/12/2010	267.43	25.09	NP	--	242.34	--
MW-1	5/10/2011	267.43	23.60	NP	--	243.83	--
MW-1	11/29/2011	267.43	24.84	NP	--	242.59	--
MW-1	6/1/2012	267.43	23.67	NP	--	243.76	--
MW-1	11/29/2012	267.43	24.00	NP	--	243.43	--
MW-1	5/9/2013	267.43	23.79	NP	--	243.64	--
MW-1	11/19/2013	267.43	25.30	NP	--	242.13	--
MW-1	5/13/2014	267.43	24.12	NP	--	243.31	--
MW-1	5/7/2015	267.43	24.26	NP	--	243.17	--
MW-1	3/2/2016	267.43	24.53	NP	--	242.90	--
MW-1	6/6/2016	267.43	24.82	NP	--	242.61	NS
MW-1	9/12/2016	267.43	26.88	NP	--	240.55	IW
MW-1	12/12/2016	267.43	24.76	NP	--	242.67	NS
MW-1	2/22/2017	267.43	24.11	NP	--	243.32	--
MW-1	8/29/2017	267.43	25.20	NP	--	242.23	--
MW-1	3/13/2018	267.43	25.35	NP	--	242.08	--
MW-1	10/25/2018	267.43	26.43	NP	--	241.00	NS
MW-1	2/20/2019	267.43	26.37	NP	--	241.06	NS
MW-1	2/22/2019	267.43	26.33	NP	--	241.10	--
MW-1	5/14/2019	267.43	26.70	NP	--	240.73	--
MW-1	8/27/2019	267.43	27.20	NP	--	240.23	NS
MW-1	11/25/2019	267.43	27.21	NP	--	240.22	NS
MW-1	3/26/2020	267.43	26.02	NP	--	241.41	--
MW-1	6/3/2020	267.43	25.92	NP	--	241.51	--
MW-1	8/6/2020	267.43	26.32	NP	--	241.11	--
MW-1	12/10/2020	267.43	--	--	--	--	Dry

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Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-1	3/8/2021	267.43	25.27	NP	--	242.16	--
MW-1	6/9/2021	267.43	25.76	25.76	0.00	241.67	--
MW-1	9/13/2021	267.43	26.77	NP	--	240.66	Dry
MW-1	12/7/2021	--	--	--	--	--	Dry
MW-1	3/8/2022	267.43	25.89	NP	--	241.54	--
MW-1	6/22/2022	267.43	26.07	NP	--	241.36	--
MW-1	9/22/2022	267.43	26.81	NP	--	240.62	--
MW-1	11/29/2022	267.43	27.20	NP	--	240.23	IW
MW-1	12/12/2022	267.43	27.16	NP	--	240.27	--
MW-1	2/27/2023	267.43	--	NP	--	--	Dry
MW-1	5/25/2023	267.43	--	NP	--	--	Dry
MW-2	5/11/1993	99.05	22.98	NP	--	76.07	--
MW-2	3/4/1994	99.05	24.30	NP	--	74.75	--
MW-2	7/6/1994	99.05	24.54	NP	--	74.51	--
MW-2	10/7/1994	99.05	24.94	NP	--	74.11	--
MW-2	12/28/1994	99.05	24.60	NP	--	74.45	--
MW-2	3/13/1995	99.05	23.84	NP	--	75.21	--
MW-2	6/30/1995	99.05	23.72	NP	--	75.33	--
MW-2	9/6/1995	99.05	23.97	NP	--	75.08	--
MW-2	12/8/1995	99.05	23.97	NP	--	75.08	--
MW-2	3/11/1996	99.05	22.66	NP	--	76.39	--
MW-2	6/18/1996	99.05	22.18	NP	--	76.87	--
MW-2	9/9/1996	99.05	22.72	NP	--	76.33	--
MW-2	12/11/1996	99.05	22.67	NP	--	76.38	--
MW-2	3/13/1997	99.05	21.91	NP	--	77.14	--
MW-2	6/5/1997	99.05	21.06	NP	--	77.99	--
MW-2	9/5/1997	99.05	21.74	NP	--	77.31	--
MW-2	4/2/1998	99.05	20.71	NP	--	78.34	--
MW-2	6/8/1998	99.05	21.25	NP	--	77.80	--
MW-2	9/17/1998	99.05	22.10	NP	--	76.95	--
MW-2	12/9/1998	99.05	21.99	NP	--	77.06	--
MW-2	3/17/1999	99.05	19.67	NP	--	79.38	--
MW-2	6/26/1999	99.05	21.26	NP	--	77.79	--
MW-2	9/28/1999	99.05	21.75	NP	--	77.30	--
MW-2	1/19/2000	99.05	21.12	NP	--	77.93	--
MW-2	3/24/2000	99.05	20.74	NP	--	78.31	--
MW-2	7/2/2000	99.05	21.51	NP	--	77.54	--
MW-2	9/14/2000	99.05	22.31	NP	--	76.74	--
MW-2	12/14/2000	99.05	22.97	NP	--	76.08	--
MW-2	9/22/2001	99.05	23.59	NP	--	75.46	--
MW-2	12/9/2001	99.05	23.27	NP	--	75.78	--
MW-2	3/20/2002	99.05	22.41	NP	--	76.64	--
MW-2	6/11/2002	99.05	22.61	NP	--	76.44	--
MW-2	12/21/2002	99.05	24.30	NP	--	74.75	--
MW-2	3/19/2003	99.05	23.90	NP	--	75.15	--
MW-2	6/18/2003	99.05	23.87	NP	--	75.18	--
MW-2	9/23/2003	99.05	24.33	NP	--	74.72	--
MW-2	10/21/2003	99.05	24.38	NP	--	74.67	--
MW-2	6/29/2004	99.05	23.74	NP	--	75.31	--
MW-2	11/15/2004	99.05	24.70	NP	--	74.35	--
MW-2	4/14/2005	99.05	24.69	NP	--	74.36	--
MW-2	12/18/2005	99.05	25.15	NP	--	73.90	--
MW-2	6/11/2006	99.05	24.01	NP	--	75.04	--
MW-2	11/5/2006	99.05	25.40	NP	--	73.65	--
MW-2	9/25/2007	99.05	24.72	NP	--	74.33	--
MW-2	12/31/2007	99.05	24.67	NP	--	74.38	--
MW-2	5/29/2008	99.05	24.73	NP	--	74.32	--

Table 1
Groundwater Gauging Data
Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-2	10/28/2008	99.05	25.74	NP	--	73.31	--
MW-2	6/22/2009	99.05	25.91	NP	--	73.14	--
MW-2	12/15/2009	99.05	25.87	NP	--	73.18	--
MW-2	5/24/2010	266.69	24.64	NP	--	242.05	--
MW-2	10/12/2010	266.69	25.03	NP	--	241.66	--
MW-2	5/10/2011	266.69	23.23	NP	--	243.46	--
MW-2	11/29/2011	266.69	24.82	NP	--	241.87	--
MW-2	6/1/2012	266.69	23.60	NP	--	243.09	--
MW-2	11/29/2012	266.69	23.86	NP	--	242.83	--
MW-2	5/9/2013	266.69	23.41	NP	--	243.28	--
MW-2	11/19/2013	266.69	24.40	NP	--	242.29	--
MW-2	5/13/2014	266.69	23.74	NP	--	242.95	--
MW-2	5/7/2015	266.69	24.14	NP	--	242.55	--
MW-2	3/2/2016	266.69	23.79	NP	--	242.90	--
MW-2	6/6/2016	266.69	24.49	NP	--	242.20	--
MW-2	9/12/2016	266.69	26.69	NP	--	240.00	--
MW-2	12/12/2016	266.69	23.96	NP	--	242.73	--
MW-2	2/22/2017	266.69	23.18	NP	--	243.51	--
MW-2	8/29/2017	266.69	24.86	NP	--	241.83	--
MW-2	3/13/2018	266.69	24.45	NP	--	242.24	--
MW-2	10/25/2018	266.69	26.85	NP	--	239.84	--
MW-2	2/20/2019	266.69	25.27	NP	--	241.42	--
MW-2	5/14/2019	266.69	26.20	NP	--	240.49	--
MW-2	8/27/2019	266.69	27.30	NP	--	239.39	NS
MW-2	11/26/2019	266.69	27.29	NP	--	239.40	--
MW-2	3/26/2020	266.69	25.44	NP	--	241.25	--
MW-2	6/3/2020	266.69	25.60	NP	--	241.09	--
MW-2	8/7/2020	266.69	26.22	NP	--	240.47	--
MW-2	12/10/2020	266.69	24.06	NP	--	242.63	--
MW-2	3/8/2021	266.69	24.32	NP	--	242.37	--
MW-2	6/9/2021	266.69	25.45	NP	--	241.24	--
MW-2	9/13/2021	266.69	27.79	NP	--	238.90	Dry
MW-2	12/7/2021	266.69	25.12	NP	--	241.57	--
MW-2	3/8/2022	266.69	24.48	NP	--	242.21	--
MW-2	6/22/2022	266.69	25.03	NP	--	241.66	--
MW-2	9/22/2022	266.69	26.51	NP	--	240.18	--
MW-2	11/29/2022	266.69	25.93	NP	--	240.76	--
MW-2	2/27/2023	266.69	25.08	NP	--	241.61	--
MW-2	5/25/2023	266.69	25.52	NP	--	241.17	--
MW-3	6/7/1993	98.53	22.28	NP	--	76.25	--
MW-3	3/4/1994	98.53	23.62	NP	--	74.91	--
MW-3	7/6/1994	98.53	23.84	NP	--	74.69	--
MW-3	10/7/1994	98.53	24.21	NP	--	74.32	--
MW-3	12/28/1994	98.53	23.91	NP	--	74.62	--
MW-3	3/13/1995	98.53	23.12	NP	--	75.41	--
MW-3	6/30/1995	98.53	23.87	NP	--	74.66	--
MW-3	9/6/1995	98.53	23.14	NP	--	75.39	--
MW-3	12/8/1995	98.53	23.20	NP	--	75.33	--
MW-3	3/11/1996	98.53	21.63	NP	--	76.90	--
MW-3	6/18/1996	98.53	21.20	NP	--	77.33	--
MW-3	9/9/1996	98.53	21.67	NP	--	76.86	--
MW-3	12/11/1996	98.53	21.87	NP	--	76.66	--
MW-3	3/13/1997	98.53	20.67	NP	--	77.86	--
MW-3	6/5/1997	98.53	19.83	NP	--	78.70	--
MW-3	9/5/1997	98.53	20.72	NP	--	77.81	--
MW-3	4/2/1998	98.53	19.63	NP	--	78.90	--
MW-3	6/8/1998	98.53	20.26	NP	--	78.27	--

Table 1
Groundwater Gauging Data
Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-3	9/17/1998	98.53	21.21	NP	--	77.32	--
MW-3	12/9/1998	98.53	21.06	NP	--	77.47	--
MW-3	3/17/1999	98.53	18.72	NP	--	79.81	--
MW-3	6/26/1999	98.53	19.92	NP	--	78.61	--
MW-3	9/28/1999	98.53	20.79	NP	--	77.74	--
MW-3	1/19/2000	98.53	20.19	NP	--	78.34	--
MW-3	3/24/2000	98.53	19.64	NP	--	78.89	--
MW-3	7/2/2000	98.53	20.53	NP	--	78.00	--
MW-3	9/14/2000	98.53	21.34	NP	--	77.19	--
MW-3	12/14/2000	98.53	21.90	NP	--	76.63	--
MW-3	9/22/2001	98.53	22.82	NP	--	75.71	--
MW-3	12/9/2001	98.53	22.50	NP	--	76.03	--
MW-3	3/20/2002	98.53	21.55	NP	--	76.98	--
MW-3	6/11/2002	98.53	21.69	NP	--	76.84	--
MW-3	12/21/2002	98.53	24.37	NP	--	74.16	--
MW-3	3/19/2003	98.53	23.17	NP	--	75.36	NS
MW-3	6/18/2003	98.53	22.82	NP	--	75.71	--
MW-3	9/23/2003	98.53	23.55	NP	--	74.98	NS
MW-3	10/21/2003	98.53	23.52	NP	--	75.01	--
MW-3	6/29/2004	98.53	--	--	--	--	NS
MW-3	11/15/2004	98.53	23.95	NP	--	74.58	--
MW-3	4/14/2005	98.53	23.90	NP	--	74.63	--
MW-3	12/18/2005	98.53	24.42	NP	--	74.11	--
MW-3	6/11/2006	98.53	23.48	NP	--	75.05	--
MW-3	11/5/2006	98.53	24.59	NP	--	73.94	--
MW-3	9/25/2007	98.53	23.84	NP	--	74.69	--
MW-3	12/31/2007	98.53	23.83	NP	--	74.70	--
MW-3	5/29/2008	98.53	23.90	NP	--	74.63	--
MW-3	10/28/2008	98.53	24.97	NP	--	73.56	--
MW-3	6/22/2009	98.53	25.29	NP	--	73.24	--
MW-3	12/15/2009	98.53	25.14	NP	--	73.39	--
MW-3	5/24/2010	266.00	24.10	NP	--	241.90	--
MW-3	10/12/2010	266.00	24.40	NP	--	241.60	--
MW-3	5/10/2011	266.00	22.55	NP	--	243.45	--
MW-3	11/29/2011	266.00	24.19	NP	--	241.81	--
MW-3	6/1/2012	266.00	22.94	NP	--	243.06	--
MW-3	11/29/2012	266.00	22.90	NP	--	243.10	--
MW-3	5/9/2013	266.00	22.72	NP	--	243.28	--
MW-3	11/19/2013	266.00	24.30	NP	--	241.70	--
MW-3	5/13/2014	266.00	22.95	NP	--	243.05	--
MW-3	5/7/2015	266.00	23.52	NP	--	242.48	--
MW-3	3/2/2016	266.00	22.12	NP	--	243.88	--
MW-3	6/6/2016	266.00	23.76	NP	--	242.24	--
MW-3	9/12/2016	266.00	25.08	NP	--	240.92	--
MW-3	12/12/2016	266.00	22.42	NP	--	243.58	--
MW-3	2/22/2017	266.00	20.02	NP	--	245.98	--
MW-3	8/29/2017	266.00	24.09	NP	--	241.91	--
MW-3	3/13/2018	266.00	23.22	NP	--	242.78	--
MW-3	10/25/2018	266.00	26.11	NP	--	239.89	--
MW-3	2/20/2019	266.00	23.86	NP	--	242.14	NS
MW-3	5/14/2019	266.00	25.42	NP	--	240.58	--
MW-3	8/27/2019	266.00	26.38	NP	--	239.62	NS
MW-3	11/25/2019	266.00	24.70	NP	--	241.30	--
MW-3	3/26/2020	266.00	25.79	NP	--	240.21	--
MW-3	6/2/2020	266.00	24.64	NP	--	241.36	NS
MW-3	8/7/2020	266.00	25.53	NP	--	240.47	--
MW-3	12/10/2020	266.00	24.59	NP	--	241.41	--
MW-3	3/8/2021	266.00	23.11	NP	--	242.89	--

Table 1
Groundwater Gauging Data
Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-3	6/9/2021	266.00	24.63	NP	--	241.37	--
MW-3	9/13/2021	266.00	26.07	NP	--	239.93	--
MW-3	12/7/2021	266.00	22.98	NP	--	243.02	--
MW-3	3/8/2022	266.00	23.19	NP	--	242.81	--
MW-3	6/22/2022	266.00	24.07	NP	--	241.93	--
MW-3	9/22/2022	266.00	25.76	NP	--	240.24	--
MW-3	11/29/2022	266.00	24.19	NP	--	241.81	--
MW-3	2/27/2023	266.00	22.40	NP	--	243.60	--
MW-3	5/25/2023	266.00	24.78	NP	--	241.22	--
MW-4	5/11/1993	100.26	23.03	NP	--	77.23	--
MW-4	3/4/1994	100.26	26.83	22.83	4.00	76.63	--
MW-4	7/6/1994	100.26	25.63	24.20	1.43	75.77	--
MW-4	10/7/1994	100.26	26.07	24.44	1.63	75.49	--
MW-4	12/28/1994	100.26	25.85	24.42	1.43	75.55	--
MW-4	3/13/1995	100.26	25.59	23.71	1.88	76.17	--
MW-4	6/30/1995	100.26	24.64	23.53	1.11	76.51	--
MW-4	9/6/1995	100.26	24.78	23.73	1.05	76.32	--
MW-4	12/8/1995	100.26	24.94	23.89	1.05	76.16	--
MW-4	3/11/1996	100.26	24.68	22.30	2.38	77.48	--
MW-4	6/18/1996	100.26	24.04	21.93	2.11	77.91	--
MW-4	9/9/1996	100.26	24.08	22.23	1.85	77.66	--
MW-4	12/11/1996	100.26	23.07	22.69	0.38	77.49	--
MW-4	3/17/1999	100.26	--	--	--	--	--
MW-4	9/28/1999	100.26	--	--	--	--	--
MW-4	1/19/2000	100.26	--	--	--	--	--
MW-4	3/24/2000	100.26	--	--	--	--	--
MW-4	7/2/2000	100.26	--	--	--	--	--
MW-4	9/14/2000	100.26	--	--	--	--	--
MW-4	9/22/2001	100.26	26.60	23.33	3.27	76.28	--
MW-4	12/9/2001	100.26	25.50	23.13	2.37	76.66	--
MW-4	3/20/2002	100.26	26.50	22.77	3.73	76.74	--
MW-4	6/11/2002	100.26	24.25	23.15	1.10	76.89	--
MW-4	12/21/2002	100.26	--	--	--	--	NS
MW-4	3/19/2003	100.26	--	--	--	--	NS
MW-4	6/18/2003	100.26	--	--	--	--	NS
MW-4	9/23/2003	100.26	22.31	22.24	0.07	78.01	--
MW-4	10/21/2003	100.26	21.79	NP	--	78.47	--
MW-4	6/29/2004	100.26	22.88	NP	--	77.38	--
MW-4	11/15/2004	100.26	23.07	21.62	1.45	78.35	--
MW-4	4/14/2005	100.26	23.82	21.93	1.89	77.95	--
MW-4	12/18/2005	100.26	23.43	23.35	0.08	76.89	--
MW-4	6/11/2006	100.26	21.87	21.86	0.01	78.40	--
MW-4	11/5/2006	100.26	22.92	22.91	0.01	77.35	--
MW-4	9/25/2007	100.26	22.15	22.13	0.02	78.13	--
MW-4	12/31/2007	100.26	--	--	--	--	NS
MW-4	5/29/2008	100.26	--	--	--	--	NM
MW-4	10/28/2008	100.26	--	--	--	--	Dry
MW-4	6/22/2009	100.26	24.21	24.17	0.04	76.08	--
MW-4	12/15/2009	100.26	24.04	23.76	0.28	76.44	--
MW-4	5/24/2010	267.78	--	--	--	--	NM
MW-4	5/10/2011	267.78	--	--	--	--	NM
MW-4	11/29/2011	267.78	--	--	--	--	NM
MW-4	6/1/2012	267.78	--	--	--	--	NM
MW-4	11/29/2012	267.78	24.00	23.90	0.10	243.86	--
MW-4	5/9/2013	267.78	26.48	22.65	3.83	244.36	--
MW-4	11/19/2013	267.78	26.61	24.80	1.81	242.62	--
MW-4	5/13/2014	267.78	25.80	23.30	2.50	243.98	--

Table 1
Groundwater Gauging Data
Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-4	5/7/2015	267.78	26.50	23.55	2.95	243.64	--
MW-4	3/2/2016	267.78	24.67	23.27	1.40	244.23	--
MW-4	6/6/2016	267.78	25.86	24.33	1.53	243.14	--
MW-4	9/12/2016	267.78	26.51	25.40	1.11	242.16	--
MW-4	12/12/2016	267.78	23.27	NP	--	244.51	--
MW-4	2/22/2017	267.78	22.63	22.56	0.07	245.21	--
MW-4	8/29/2017	267.78	26.50	24.82	1.68	242.62	NS
MW-4	3/13/2018	267.78	24.74	24.26	0.48	243.42	NS
MW-4	10/25/2018	267.78	26.76	26.48	0.28	241.24	NS
MW-4	2/20/2019	267.78	24.80	NP	--	242.98	NS
MW-4	5/14/2019	267.78	26.33	NP	--	241.45	NS
MW-4	8/27/2019	267.78	26.51	NP	--	241.27	NS
MW-4	11/25/2019	267.78	26.51	NP	--	241.27	NS
MW-4	3/26/2020	267.78	24.62	NP	--	243.16	--
MW-4	6/2/2020	267.78	24.65	NP	--	243.13	NS
MW-4	8/6/2020	267.78	26.29	26.15	0.14	241.60	NS
MW-4	12/10/2020	267.78	25.81	25.76	0.05	242.01	--
MW-4	3/8/2021	267.78	24.01	NP	--	243.77	--
MW-4	6/9/2021	267.78	25.28	NP	--	242.50	--
MW-4	9/13/2021	267.78	26.82	NP	--	240.96	Dry
MW-4	12/7/2021	267.78	24.36	NP	--	243.42	--
MW-4	3/8/2022	267.78	23.40	NP	--	244.38	--
MW-4	6/22/2022	267.78	25.41	NP	--	242.37	--
MW-4	9/22/2022	267.78	26.70	NP	--	241.08	IW
MW-4	11/29/2022	267.78	26.76	26.75	0.01	241.03	IW
MW-4	12/12/2022	267.78	23.49	NP	--	244.29	--
MW-4	2/27/2023	267.78	22.01	NP	--	245.77	--
MW-4	5/25/2023	267.78	--	NP	--	--	Dry
MW-5	5/11/1993	100.88	22.97	NP	--	77.91	--
MW-5	3/4/1994	100.88	24.35	NP	--	76.53	--
MW-5	7/6/1994	100.88	24.72	NP	--	76.16	--
MW-5	10/7/1994	100.88	25.02	NP	--	75.86	--
MW-5	12/28/1994	100.88	24.98	NP	--	75.90	--
MW-5	3/13/1995	100.88	24.41	NP	--	76.47	--
MW-5	6/30/1995	100.88	24.06	NP	--	76.82	--
MW-5	9/6/1995	100.88	24.27	NP	--	76.61	--
MW-5	12/8/1995	100.88	24.49	NP	--	76.39	--
MW-5	3/11/1996	100.88	23.33	NP	--	77.55	--
MW-5	6/18/1996	100.88	22.91	NP	--	77.97	--
MW-5	9/9/1996	100.88	23.07	NP	--	77.81	--
MW-5	12/11/1996	100.88	23.13	NP	--	77.75	--
MW-5	3/13/1997	100.88	22.28	NP	--	78.60	--
MW-5	6/5/1997	100.88	21.78	NP	--	79.10	--
MW-5	9/5/1997	100.88	21.92	NP	--	78.96	--
MW-5	4/2/1998	100.88	21.35	NP	--	79.53	--
MW-5	6/8/1998	100.88	21.48	NP	--	79.40	--
MW-5	9/17/1998	100.88	22.12	NP	--	78.76	--
MW-5	12/9/1998	100.88	22.33	NP	--	78.55	--
MW-5	3/17/1999	100.88	20.93	NP	--	79.95	--
MW-5	6/26/1999	100.88	21.02	NP	--	79.86	--
MW-5	9/28/1999	100.88	21.76	NP	--	79.12	--
MW-5	1/19/2000	100.88	21.65	NP	--	79.23	--
MW-5	3/24/2000	100.88	21.48	NP	--	79.40	--
MW-5	7/2/2000	100.88	22.01	NP	--	78.87	--
MW-5	9/14/2000	100.88	22.59	NP	--	78.29	--
MW-5	12/14/2000	100.88	22.95	NP	--	77.93	--
MW-5	9/22/2001	100.88	23.86	NP	--	77.02	--

Table 1
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Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-5	12/9/2001	100.88	23.90	NP	--	76.98	--
MW-5	3/20/2002	100.88	23.13	NP	--	77.75	--
MW-5	6/11/2002	100.88	23.09	NP	--	77.79	--
MW-5	12/21/2002	100.88	24.65	NP	--	76.23	--
MW-5	3/19/2003	100.88	24.68	NP	--	76.20	--
MW-5	6/18/2003	100.88	24.37	NP	--	76.51	--
MW-5	9/23/2003	100.88	24.88	NP	--	76.00	--
MW-5	10/21/2003	100.88	24.99	NP	--	75.89	--
MW-5	6/29/2004	100.88	24.22	NP	--	76.66	--
MW-5	11/15/2004	100.88	24.97	NP	--	75.91	--
MW-5	4/14/2005	100.88	25.08	NP	--	75.80	--
MW-5	12/18/2005	100.88	25.47	NP	--	75.41	--
MW-5	6/11/2006	100.88	24.43	NP	--	76.45	--
MW-5	11/5/2006	100.88	25.55	NP	--	75.33	--
MW-5	9/25/2007	100.88	24.95	NP	--	75.93	--
MW-5	12/31/2007	100.88	25.16	NP	--	75.72	--
MW-5	5/29/2008	100.88	25.01	NP	--	75.87	--
MW-5	10/28/2008	100.88	25.89	NP	--	74.99	--
MW-5	6/22/2009	100.88	26.95	NP	--	73.93	--
MW-5	12/15/2009	100.88	26.57	NP	--	74.31	--
MW-5	5/24/2010	100.88	25.55	NP	--	75.33	--
MW-5	10/12/2010	268.46	25.74	NP	--	242.72	--
MW-5	5/10/2011	268.46	24.61	NP	--	243.85	--
MW-5	11/29/2011	268.46	25.55	NP	--	242.91	--
MW-5	6/1/2012	268.46	24.60	NP	--	243.86	--
MW-5	11/29/2012	268.46	25.31	NP	--	243.15	--
MW-5	5/9/2013	268.46	24.52	NP	--	243.94	--
MW-5	11/19/2013	268.46	26.35	NP	--	242.11	--
MW-5	5/13/2014	268.46	25.18	NP	--	243.28	--
MW-5	5/7/2015	268.46	25.22	NP	--	243.24	--
MW-5	3/2/2016	268.46	25.55	NP	--	242.91	--
MW-5	6/6/2016	268.46	25.74	NP	--	242.72	--
MW-5	9/12/2016	268.46	27.43	NP	--	241.03	IW
MW-5	12/12/2016	268.46	25.36	NP	--	243.10	--
MW-5	2/22/2017	268.46	25.00	NP	--	243.46	--
MW-5	8/29/2017	268.46	26.20	NP	--	242.26	--
MW-5	3/13/2018	268.46	26.39	NP	--	242.07	--
MW-5	10/25/2018	268.46	27.13	NP	--	241.33	NS
MW-5	2/20/2019	268.46	27.33	NP	--	241.13	NS
MW-5	5/14/2019	268.46	27.24	NP	--	241.22	--
MW-5	8/27/2019	268.46	27.40	NP	--	241.06	NS
MW-5	11/25/2019	268.46	27.55	NP	--	240.91	NS
MW-5	3/25/2020	268.46	26.84	NP	--	241.62	--
MW-5	6/2/2020	268.46	26.80	NP	--	241.66	NS
MW-5	8/6/2020	268.46	27.03	NP	--	241.43	NS
MW-5	12/10/2020	268.46	--	--	--	--	Dry
MW-5	3/8/2021	268.46	26.06	NP	--	242.40	--
MW-5	6/9/2021	268.46	26.70	NP	--	241.76	--
MW-5	9/13/2021	268.46	--	--	--	--	Dry
MW-5	12/7/2021	268.46	--	--	--	--	Dry
MW-5	3/8/2022	268.46	26.61	NP	--	241.85	IW
MW-5	6/22/2022	268.46	26.90	NP	--	241.56	--
MW-5	9/22/2022	268.46	27.15	NP	--	241.31	IW
MW-5	11/29/2022	268.46	27.19	NP	--	241.27	IW
MW-5	12/12/2022	268.46	27.19	NP	--	241.27	--
MW-5	2/27/2023	268.46	--	--	--	--	Dry
MW-5	5/25/2023	268.46	27.62	NP	--	240.84	--

Table 1
Groundwater Gauging Data
Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-6	9/5/1997	98.62	21.20	NP	--	77.42	--
MW-6	4/2/1998	98.62	19.70	NP	--	78.92	--
MW-6	6/8/1998	98.62	20.58	NP	--	78.04	--
MW-6	9/17/1998	98.62	21.87	NP	--	76.75	--
MW-6	12/9/1998	98.62	21.20	NP	--	77.42	--
MW-6	3/17/1999	98.62	18.49	NP	--	80.13	--
MW-6	6/26/1999	98.62	18.49	NP	--	80.13	--
MW-6	9/28/1999	98.62	21.40	NP	--	77.22	--
MW-6	1/19/2000	98.62	20.39	NP	--	78.23	--
MW-6	3/24/2000	98.62	19.63	NP	--	78.99	--
MW-6	9/14/2000	98.62	21.92	NP	--	76.70	--
MW-6	12/14/2000	98.62	22.51	NP	--	76.11	--
MW-6	9/22/2001	98.62	23.31	NP	--	75.31	--
MW-6	12/9/2001	98.62	22.24	NP	--	76.38	--
MW-6	3/20/2002	98.62	21.44	NP	--	77.18	--
MW-6	6/11/2002	98.62	21.90	NP	--	76.72	--
MW-6	12/21/2002	98.62	--	--	--	--	NS
MW-6	3/19/2003	98.62	--	--	--	--	NS
MW-6	6/18/2003	98.62	--	--	--	--	NS
MW-6	9/23/2003	98.62	--	--	--	--	NS
MW-6	10/21/2003	98.62	22.69	NP	--	75.93	--
MW-6	6/29/2004	98.62	22.88	NP	--	75.74	--
MW-6	11/15/2004	98.62	24.12	NP	--	74.50	--
MW-6	4/14/2005	98.62	23.75	NP	--	74.87	--
MW-6	12/18/2005	98.62	24.79	NP	--	73.83	--
MW-6	6/11/2006	98.62	23.09	NP	--	75.53	--
MW-6	11/5/2006	98.62	25.80	NP	--	72.82	--
MW-6	9/25/2007	98.62	24.13	NP	--	74.49	--
MW-6	12/31/2007	98.62	23.59	NP	--	75.03	--
MW-6	5/29/2008	98.62	24.21	NP	--	74.41	--
MW-6	10/28/2008	98.62	25.47	NP	--	73.15	--
MW-6	6/22/2009	98.62	25.32	NP	--	73.30	--
MW-6	12/15/2009	98.62	23.33	NP	--	75.29	--
MW-6	5/24/2010	266.06	22.90	NP	--	243.16	--
MW-6	10/12/2010	266.06	23.06	NP	--	243.00	--
MW-6	5/10/2011	266.06	22.01	NP	--	244.05	--
MW-6	11/29/2011	266.06	23.42	NP	--	242.64	--
MW-6	6/1/2012	266.06	22.75	NP	--	243.31	--
MW-6	11/29/2012	266.06	--	--	--	--	NM
MW-6	5/9/2013	266.06	22.82	NP	--	243.24	--
MW-6	11/19/2013	266.06	24.00	NP	--	242.06	--
MW-6	5/13/2014	266.06	22.76	NP	--	243.30	--
MW-6	5/7/2015	266.06	23.71	NP	--	242.35	--
MW-6	6/6/2016	266.06	23.82	NP	--	242.24	--
MW-6	9/12/2016	266.06	25.22	NP	--	240.84	--
MW-6	12/12/2016	266.06	22.66	NP	--	243.40	--
MW-6	2/22/2017	266.06	21.24	NP	--	244.82	--
MW-6	8/29/2017	266.06	24.16	NP	--	241.90	--
MW-6	3/13/2018	265.97	23.04	NP	--	242.93	--
MW-6	10/25/2018	265.97	26.28	NP	--	239.69	--
MW-6	2/20/2019	265.97	13.90	NP	--	252.07	NS
MW-6	2/22/2019	265.97	14.14	NP	--	251.83	--
MW-6	5/14/2019	265.97	25.51	NP	--	240.46	NS
MW-6	8/27/2019	265.97	26.73	NP	--	239.24	--
MW-6	11/26/2019	265.97	26.86	NP	--	239.11	NS
MW-6	3/26/2020	265.97	15.40	NP	--	250.57	--
MW-6	6/2/2020	265.97	15.09	NP	--	250.88	--
MW-6	8/7/2020	265.97	26.00	NP	--	239.97	NS

Table 1
Groundwater Gauging Data
Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-6	12/10/2020	265.97	14.24	NP	--	251.73	--
MW-6	3/8/2021	265.97	13.52	NP	--	252.45	--
MW-6	6/9/2021	265.97	24.83	NP	--	241.14	--
MW-6	9/13/2021	265.97	26.14	NP	--	239.83	--
MW-6	12/7/2021	265.97	14.09	NP	--	251.88	--
MW-6	3/8/2022	265.97	15.19	NP	--	250.78	--
MW-6	6/22/2022	265.97	15.03	NP	--	250.94	--
MW-6	9/22/2022	265.97	25.64	NP	--	240.33	--
MW-6	11/29/2022	265.97	24.75	NP	--	241.22	--
MW-6	2/27/2023	265.97	18.10	NP	--	247.87	--
MW-6	5/25/2023	265.97	24.19	NP	--	241.78	--
MW-7	4/2/1998	97.32	18.79	NP	--	78.53	--
MW-7	6/8/1998	97.32	19.60	NP	--	77.72	--
MW-7	9/17/1998	97.32	20.82	NP	--	76.50	--
MW-7	12/9/1998	97.32	20.21	NP	--	77.11	--
MW-7	3/17/1999	97.32	17.61	NP	--	79.71	--
MW-7	6/26/1999	97.32	19.29	NP	--	78.03	--
MW-7	12/14/2000	97.32	--	--	--	--	--
MW-7	12/9/2001	97.32	--	--	--	--	--
MW-7	3/20/2002	97.32	--	--	--	--	--
MW-7	6/11/2002	97.32	--	--	--	--	--
MW-7	6/18/2003	97.32	--	--	--	--	AB
MW-8	4/2/1998	98.49	19.99	NP	--	78.50	--
MW-8	6/8/1998	98.49	20.39	NP	--	78.10	--
MW-8	9/17/1998	98.49	21.21	NP	--	77.28	--
MW-8	12/9/1998	98.49	21.03	NP	--	77.46	--
MW-8	3/17/1999	98.49	19.03	NP	--	79.46	--
MW-8	6/26/1999	98.49	20.02	NP	--	78.47	--
MW-8	12/14/2000	98.49	--	--	--	--	--
MW-8	12/9/2001	98.49	--	--	--	--	--
MW-8	3/20/2002	98.49	--	--	--	--	--
MW-8	6/11/2002	98.49	--	--	--	--	--
MW-8	6/18/2003	98.49	--	--	--	--	AB
MW-9	10/12/2010	263.35	23.89	NP	--	239.46	--
MW-9	5/10/2011	263.35	20.70	NP	--	242.65	--
MW-9	11/29/2011	263.35	22.64	NP	--	240.71	--
MW-9	6/1/2012	263.35	--	--	--	--	NM
MW-9	11/29/2012	263.35	--	--	--	--	NM
MW-9	5/9/2013	263.35	21.09	NP	--	242.26	--
MW-9	11/19/2013	263.35	22.80	NP	--	240.55	--
MW-9	5/13/2014	263.35	21.39	NP	--	241.96	--
MW-9	5/7/2015	263.35	22.04	NP	--	241.31	--
MW-9	3/2/2016	263.35	22.29	NP	--	241.06	NS
MW-9	6/6/2016	263.35	22.01	NP	--	241.34	NS
MW-9	9/12/2016	263.35	23.43	NP	--	239.92	--
MW-9	2/22/2017	263.35	21.71	NP	--	241.64	NS
MW-9	8/29/2017	263.35	22.47	NP	--	240.88	--
MW-9	3/13/2018	263.35	21.78	NP	--	241.57	NS
MW-9	10/25/2018	263.35	24.61	NP	--	238.74	--
MW-9	2/20/2019	263.35	23.27	NP	--	240.08	--
MW-9	5/13/2019	263.35	23.78	NP	--	239.57	--
MW-9	8/27/2019	263.35	25.09	NP	--	238.26	--
MW-9	11/26/2019	263.35	25.60	NP	--	237.75	--
MW-9	3/26/2020	263.35	23.72	NP	--	239.63	--
MW-9	6/2/2020	263.35	23.76	NP	--	239.59	--

Table 1
Groundwater Gauging Data
Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-9	8/7/2020	263.35	24.48	NP	--	238.87	--
MW-9	12/10/2020	263.35	24.33	NP	--	239.02	--
MW-9	3/8/2021	263.35	23.00	NP	--	240.35	--
MW-9	6/9/2021	263.35	23.02	NP	--	240.33	--
MW-9	9/13/2021	263.35	24.60	NP	--	238.75	--
MW-9	12/7/2021	263.35	23.47	NP	--	239.88	--
MW-9	9/22/2022	263.35	23.66	NP	--	239.69	--
MW-9	11/29/2022	263.35	23.65	NP	--	239.70	--
MW-9	5/25/2023	263.35	22.40	NP	--	240.95	--
MW-10	6/1/2012	268.30	24.20	NP	--	244.10	--
MW-10	11/29/2012	268.30	25.00	NP	--	243.30	--
MW-10	5/9/2013	268.30	24.25	NP	--	244.05	--
MW-10	11/19/2013	268.30	25.80	NP	--	242.50	--
MW-10	5/13/2014	268.30	24.78	NP	--	243.52	--
MW-10	5/7/2015	268.30	24.84	NP	--	243.46	--
MW-10	9/12/2016	268.30	26.52	NP	--	241.78	--
MW-10	8/29/2017	268.30	25.93	NP	--	242.37	--
MW-11	10/25/2018	266.38	26.40	NP	--	239.98	--
MW-11	2/20/2019	266.38	25.49	NP	--	240.89	--
MW-11	5/13/2019	266.38	25.99	NP	--	240.39	--
MW-11	8/27/2019	266.38	26.83	NP	--	239.55	--
MW-11	11/25/2019	266.38	27.13	NP	--	239.25	--
MW-11	3/25/2020	266.38	25.39	NP	--	240.99	--
MW-11	6/2/2020	266.38	25.34	NP	--	241.04	--
MW-11	8/6/2020	266.38	25.79	NP	--	240.59	--
MW-11	12/10/2020	266.38	26.25	NP	--	240.13	--
MW-11	3/8/2021	266.38	24.40	NP	--	241.98	--
MW-11	6/9/2021	266.38	25.12	NP	--	241.26	--
MW-11	9/13/2021	266.38	26.32	NP	--	240.06	--
MW-11	12/7/2021	266.38	25.70	NP	--	240.68	--
MW-11	9/22/2022	266.38	26.16	NP	--	240.22	--
MW-11	11/29/2022	266.38	26.41	NP	--	239.97	--
MW-11	2/27/2023	266.38	25.41	NP	--	240.97	--
MW-11	5/25/2023	266.38	25.45	NP	--	240.93	--
MW-12	10/25/2018	266.51	27.39	NP	--	239.12	--
MW-12	2/20/2019	266.51	26.21	NP	--	240.30	--
MW-12	5/13/2019	266.51	26.78	NP	--	239.73	--
MW-12	8/27/2019	266.51	27.82	NP	--	238.69	--
MW-12	11/25/2019	266.51	28.19	NP	--	238.32	--
MW-12	3/26/2020	266.51	26.50	NP	--	240.01	--
MW-12	6/2/2020	266.51	26.53	NP	--	239.98	--
MW-12	8/6/2020	266.51	27.05	NP	--	239.46	--
MW-12	12/10/2020	266.51	27.31	NP	--	239.20	--
MW-12	3/8/2021	266.51	25.32	NP	--	241.19	--
MW-12	6/9/2021	266.51	26.11	NP	--	240.40	--
MW-12	9/13/2021	266.51	27.40	NP	--	239.11	--
MW-12	12/7/2021	266.51	26.55	NP	--	239.96	--
MW-12	9/22/2022	266.51	26.87	NP	--	239.64	--
MW-12	11/29/2022	266.51	27.05	NP	--	239.46	--
MW-12	2/27/2023	266.51	25.85	NP	--	240.66	--
MW-12	5/25/2023	266.51	25.71	NP	--	240.80	--
VE-1	4/2/1998	--	--	--	--	--	--
VE-1	9/17/1998	--	--	--	--	--	--
VE-1	12/9/1998	--	--	--	--	--	--

Table 1
Groundwater Gauging Data
Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
VE-1	3/17/1999	--	--	--	--	--	--
VE-1	6/26/1999	--	--	--	--	--	--
VE-1	9/28/1999	--	--	--	--	--	--
VE-1	3/24/2000	--	--	--	--	--	--
VE-1	7/2/2000	--	--	--	--	--	--
VE-1	9/14/2000	--	--	--	--	--	--
VE-1	12/14/2000	--	23.02	NP	--	--	--
VE-1	9/22/2001	--	24.22	NP	--	--	--
VE-1	12/9/2001	--	23.90	23.83	0.07	--	--
VE-1	3/20/2002	--	23.30	23.25	0.05	--	--
VE-1	6/11/2002	--	23.25	23.14	0.11	--	--
VE-1	12/21/2002	--	24.89	NP	--	--	--
VE-1	3/19/2003	--	24.71	NP	--	--	--
VE-1	6/18/2003	--	24.50	24.45	0.05	--	--
VE-1	9/23/2003	--	25.01	24.98	0.03	--	--
VE-1	10/22/2003	--	24.98	24.81	0.17	--	--
VE-1	6/29/2004	--	25.12	NP	--	--	--
VE-1	11/15/2004	--	25.40	24.79	0.61	--	--
VE-1	4/14/2005	--	26.15	24.84	1.31	--	--
VE-1	12/18/2005	--	26.00	25.65	0.35	--	--
VE-1	6/11/2006	--	26.53	NP	--	--	--
VE-1	11/5/2006	--	26.33	25.88	0.45	--	--
VE-1	9/25/2007	--	25.02	24.88	0.14	--	--
VE-1	12/31/2007	--	--	--	--	--	NS
VE-1	5/29/2008	--	25.63	24.79	0.84	--	--
VE-1	10/28/2008	--	26.07	25.80	0.27	--	--
VE-1	6/22/2009	--	--	--	--	--	Dry
VE-1	12/15/2009	--	26.56	26.50	0.06	--	--
VE-1	5/24/2010	268.17	26.70	NP	--	241.47	NS
VE-1	5/10/2011	268.17	--	--	--	--	NM
VE-1	11/29/2012	268.17	24.05	23.95	0.10	244.20	--
VE-1	5/9/2013	268.17	24.23	NP	--	243.94	NS
VE-1	11/19/2013	268.17	26.35	25.80	0.55	242.26	--
VE-1	5/13/2014	268.17	25.20	24.80	0.40	243.29	--
VE-1	5/7/2015	268.17	25.40	24.79	0.61	243.26	--
VE-1	3/2/2016	268.17	24.99	NP	--	243.18	NS
VE-2	5/7/2015	--	--	--	--	--	Dry
VE-2	3/2/2016	--	13.84	NP	--	--	NS
VE-3	3/2/2016	--	12.99	NP	--	--	NS
VE-4	3/2/2016	--	14.45	NP	--	--	NS
VE-5	3/2/2016	--	14.15	NP	--	--	NS

Notes:
TOC - Top of Casing
ft - feet (in NAVD 88)
LNAPL - Light Non-Aqueous Phase Liquid
* - Corrected for LNAPL if present (assumes LNAPL specific gravity = 0.80)
Wells were resurveyed in 2010 and are referenced to vertical datum NAVD 88 and horizontal datum NAD 83/98
-- - No Information Available
NP - No Product
Dry - Well Dry
AB - Well Abandoned
IW - Insufficient volume of water in the well to collect representative sample
NM - Not Measured
NS - Not Sampled
12/12/2022 - Data collected at MW-1, MW-4, and MW-5 prior to PetroFix injection for baseline readings

Table 2
Groundwater Analytical Data
Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**15**
Well ID	Date												
GMW-1	5/10/2011	2.4	< 1.0	69.7	94.8	< 1.0	--	--	**5,930**	**1,900**	< 420	**28.4**	--
GMW-1	11/29/2011	< 1.0	< 1.0	86.9	113	--	--	--	**6,080**	**610**	< 380	< 10.0	--
GMW-1	5/9/2013	< 1.0	< 1.0	4.4	4.6	< 1.0	--	--	**1,010**	< 420	< 420	< 10.0	< 10.0
GMW-1	11/19/2013	< 0.50	< 0.70	6.6	6.8	< 0.50	--	--	**1,400**	**2,500**	< 73	**16.7**	1.2
GMW-1	5/14/2014	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	--	590	**560**	< 66	< 4.7	< 4.7
GMW-1	5/7/2015	< 0.50	< 0.50	10	10	< 0.50	--	--	**1,600**	480	< 66	< 4.7	< 4.7
GMW-1	3/2/2016	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	--	**1,400**	< 46	< 100	--	--
GMW-1	6/6/2016	< 0.50	< 0.50	5.3	4.0	< 0.50	--	--	**3,300**	130	< 100	--	--
GMW-1	9/12/2016	< 0.50	< 0.50	32	34	< 0.50	--	--	**4,600**	210	< 67	--	--
GMW-1	12/12/2016	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	--	350	< 50	400	--	--
GMW-1	2/22/2017	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	--	--	82.2 J	< 82.5	< 165	--	--
GMW-1	8/29/2017	< 0.331	0.480 J	2.45	2.66 J	< 0.367	--	--	**2,070**	216	104 J	--	--
GMW-1	3/13/2018	< 1.00	< 1.00	0.394 J	< 3.00	< 1.00	--	--	**2,500**	99.7 J	< 250	--	--
GMW-1	10/25/2018	< 1.00	< 1.00	9.58	12.8	< 1.00	< 0.0100	< 1.00	**4,200**	**9,050**	346 J	**16.2**	14.5
GMW-1	2/20/2019	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	< 0.00240	< 0.361	773 B	143 J	< 83.3	< 1.90	< 1.90
GMW-1	5/13/2019	< 0.331	< 0.412	2.36	4.18	< 0.367	< 0.00240	< 0.361	**985**	**771**	< 83.3	< 1.90	--
GMW-1	8/27/2019	< 0.0896	< 0.412	12	13.9	< 0.102	< 0.00240	< 0.108	**2,750**	**777**	< 167	8.01	--
GMW-1	3/25/2020	0.171 J	< 0.412	1.1	1.06 J	< 0.102	< 0.00240	< 0.108	594	409	< 83.3	< 1.90	--
GMW-1	6/2/2020	< 0.0941	< 0.278	0.216 J	0.210 J	< 0.101	< 0.00536	< 0.0819	**1,840**	--	--	< 2.95	--
GMW-1	8/6/2020	0.242 J	1.98	4.55	4.15	< 0.101	< 0.00536	< 0.0819	**1,400**	**751**	< 83.3	3.04 J	--
GMW-1	3/8/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	< 1.0	< 250	< 120	< 370	< 10	< 10
GMW-1	6/9/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	**2,200**	420	< 370	< 2.0	< 2.0
GMW-1	9/22/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	260	< 270	1.9	< 0.50
GMW-1	11/29/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	150	< 360	2.3	< 2.0
GMW-1	2/27/2023	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 50	180	< 370	< 2.0	< 2.0
GMW-1	5/25/2023	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 50	200	< 370	**74**	< 2.0
MW-1	5/11/1993	**82**	11	8	14	--	--	--	**3,300**	--	--	--	--
MW-1	3/4/1994	**6**	3	3	11	--	--	--	**830**	**580**	--	**38**	< 3
MW-1	7/6/1994	**5**	< 0.5	2	10	--	--	--	**900**	< 250	--	--	--
MW-1	10/7/1994	**6**	< 0.5	3	11	--	--	--	**1,500**	--	--	--	--
MW-1	12/28/1994	**5**	< 0.5	2	7	--	--	--	**1,400**	--	--	--	--
MW-1	3/13/1995	**16**	< 0.5	3	9	--	--	--	**1,400**	--	--	--	--

Table 2
Groundwater Analytical Data
Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**15**
MW-1	6/30/1995	4	< 0.5	3	7	--	--	--	**1,400**	--	--	--	--
MW-1	9/6/1995	**5**	< 0.5	3	6	--	--	--	**1,300**	--	--	--	--
MW-1	12/8/1995	**7**	2	2	7	--	--	--	**1,300**	--	--	--	--
MW-1	3/11/1996	3	< 0.5	< 0.5	1	--	--	--	**900**	--	--	--	--
MW-1	6/18/1996	1	1	< 0.5	2	--	--	--	400	--	--	--	--
MW-1	9/9/1996	2	< 0.5	1	1	13	--	--	600	--	--	--	--
MW-1	12/11/1996	4	2	2	4	< 10	--	--	710	--	--	--	--
MW-1	3/13/1997	< 0.5	< 0.5	< 0.5	< 1.0	< 5	--	--	100	--	--	--	--
MW-1	6/5/1997	2	2	< 0.5	< 1.5	5	--	--	250	--	--	--	--
MW-1	9/5/1997	**8**	4	2	6	8	--	--	300	--	--	--	--
MW-1	4/2/1998	1	3	< 0.5	< 1.5	< 5	--	--	210	--	--	--	--
MW-1	6/8/1998	< 0.5	3	1	4	6	--	--	300	--	--	--	--
MW-1	12/9/1998	< 0.5	< 5.0	< 5.0	< 5.0	< 5.0	--	--	< 500	--	--	--	--
MW-1	6/26/1999	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 100	--	--	--	--
MW-1	1/19/2000	< 0.5	4	1	3	< 0.5	--	--	< 50	--	--	--	--
MW-1	7/2/2000	1	< 0.5	1	2	2	--	--	120	--	--	--	--
MW-1	12/14/2000	< 10	19	< 10	< 30	< 40	--	--	**1,700**	--	--	--	--
MW-1	10/21/2003	**32.5**	4.61	17.3	19.2	< 1.00	--	--	**3,270**	--	--	--	--
MW-1	12/18/2005	**10.8**	2.04	1.23	2.76	< 1.00	--	--	**2,960**	--	--	--	--
MW-1	6/11/2006	**11.4**	1.12	1.6	2.34	19.8	--	--	**1,840**	--	--	--	--
MW-1	11/5/2006	**73.2**	6.12	2.04	< 6.00	--	--	--	**3,880**	--	--	--	--
MW-1	9/25/2007	**27.8**	1.67	0.86	< 3.00	--	--	--	**1,640**	--	--	--	--
MW-1	12/31/2007	**22.7**	1.34	1.03	< 3.00	--	--	--	**1,970**	--	--	--	--
MW-1	5/29/2008	3.58	0.58	< 0.500	< 3.00	--	--	--	**2,370**	--	--	--	--
MW-1	10/28/2008	2.8	1.07	< 0.500	< 3.00	--	--	--	**1,450**	--	--	--	--
MW-1	6/22/2009	**30**	5.7	24	30.5	--	--	--	**2,200**	--	--	4.9	< 2.00
MW-1	12/15/2009	**11**	2	4.8	3.6	--	--	--	**1,500**	--	--	3.8	< 2.00
MW-1	5/24/2010	**18**	< 2.5	< 2.5	6.4	--	--	--	**940**	--	--	--	--
MW-1	10/12/2010	2.8	< 1.0	1.2	< 3.0	5.2	--	--	**849**	--	--	< 10.0	--
MW-1	5/10/2011	**17.8**	6.6	1.8	10.9	2.5	--	--	642	**840**	< 420	< 10.0	--
MW-1	11/29/2011	**5.5**	< 1.0	< 1.0	< 3.0	--	--	--	**815**	< 75	< 380	10.3	--
MW-1	6/1/2012	3.6	< 1.0	< 1.0	3.0	7.4	--	--	544	362	< 396	< 10.0	< 10.0
MW-1	11/29/2012	1.2	< 1.0	< 1.0	< 3.0	< 1.0	--	--	**1,320**	< 430	< 430	11.3	< 3.0
MW-1	5/9/2013	**6.3**	< 1.0	< 1.0	4.1	1.6	--	--	557	**620**	< 430	< 10.0	< 10.0

Table 2
Groundwater Analytical Data
Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**15**
MW-1	11/19/2013	1.9 J	< 0.70	< 0.80	1.7 J	1.5 J	--	--	470	400	320	4.8	0.15 J
MW-1	5/13/2014	1.4	< 0.50	< 0.50	0.57 J	0.67 J	--	--	490	250	110 J	6.9 J	< 4.7
MW-1	5/7/2015	1.2	< 0.50	< 0.50	< 0.50	< 0.50	--	--	610	270	190 J	**18.7**	7.1 J
MW-1	3/2/2016	1.2	< 0.50	0.77 J	3.0	< 0.50	--	--	460	140	< 110	--	--
MW-1	2/22/2017	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	--	--	212	447	222 J	--	--
MW-1	8/29/2017	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	--	--	526	**611**	450	--	--
MW-1	3/13/2018	< 1.00	< 1.00	< 1.00	< 3.00	< 1.00	--	--	298 B	369	352	--	--
MW-1	2/22/2019	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	< 0.00240	< 0.361	< 31.6	369	322	< 1.90	< 1.90
MW-1	5/14/2019	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	< 0.00240	< 0.361	40.0 J	271	220 J	< 1.90	< 1.90
MW-1	3/26/2020	< 0.0896	< 0.412	< 0.158	< 0.316	< 0.102	< 0.00240	< 0.108	104 B	339	131 J	< 1.90	--
MW-1	6/3/2020	< 0.0941	< 0.278	< 0.137	< 0.174	< 0.101	< 0.00536	< 0.0819	160	--	--	< 2.95	--
MW-1	8/6/2020	0.133 J	< 0.278	< 0.137	< 0.174	< 0.101	< 0.00536	< 0.0819	186 B	261	101 J	< 2.95	--
MW-1	3/8/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	< 1.0	< 250	410	360	< 10	< 10
MW-1	6/9/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	**510**	< 350	< 2.0	< 2.0
MW-1	3/8/2022	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	100	**1,700**	**930**	< 2.0	< 2.0
MW-1	6/22/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	**630**	< 250	< 0.50	< 0.50
MW-2	5/11/1993	**2,500**	48	100	240	--	--	--	**17,000**	--	--	--	--
MW-2	3/4/1994	**1,500**	20	130	180	--	--	--	**4,300**	**1,300**	--	5	< 3
MW-2	7/6/1994	**1,100**	16	53	97	--	--	--	**4,400**	390	--	--	--
MW-2	10/7/1994	**1,100**	18	57	82	--	--	--	**4,400**	--	--	--	--
MW-2	12/28/1994	**250**	5	13	14	--	--	--	**2,100**	--	--	--	--
MW-2	3/13/1995	**200**	12	29	50	--	--	--	**2,700**	--	--	--	--
MW-2	6/30/1995	**400**	8	50	39	--	--	--	**3,400**	--	--	--	--
MW-2	9/6/1995	**350**	8	50	35	--	--	--	**3,400**	--	--	--	--
MW-2	12/8/1995	**610**	5	29	36	--	--	--	**3,100**	--	--	--	--
MW-2	3/11/1996	**280**	12	100	120	--	--	--	**5,400**	--	--	--	--
MW-2	6/18/1996	**280**	12	130	56	--	--	--	**4,500**	--	--	--	--
MW-2	9/9/1996	**790**	5	78	35	< 1.0	--	--	**4,100**	--	--	--	--
MW-2	12/11/1996	**460**	13	65	41	**43**	--	--	**3,700**	--	--	--	--
MW-2	3/13/1997	**140**	12	130	48	< 50	--	--	**3,200**	--	--	--	--
MW-2	6/5/1997	**160**	22	180	79	< 100	--	--	**3,400**	--	--	--	--
MW-2	4/2/1998	**170**	51	35	210	< 50	--	--	**4,700**	--	--	--	--
MW-2	6/8/1998	**420**	26	150	75	**140**	--	--	**3,800**	--	--	--	--

Table 2
Groundwater Analytical Data
Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**15**
MW-2	9/17/1998	**720**	15	79	44	< 5.0	--	--	**2,900**	--	--	--	--
MW-2	12/9/1998	**520**	8	100	62	< 5.0	--	--	**4,500**	--	--	--	--
MW-2	3/17/1999	**19**	27	300	230	< 5.0	--	--	**5,000**	--	--	--	--
MW-2	6/26/1999	**400**	29	160	130	13	--	--	**3,400**	--	--	--	--
MW-2	9/28/1999	**690**	20	23	110	**87**	--	--	**7,300**	--	--	--	--
MW-2	1/19/2000	**920**	20	260	74	< 0.5	--	--	**8,700**	--	--	--	--
MW-2	3/24/2000	**310**	79	240	97	< 5	--	--	**10,000**	--	--	--	--
MW-2	7/2/2000	**520**	35	190	85	**49**	--	--	**8,200**	--	--	--	--
MW-2	9/14/2000	**1,100**	100	110	100	< 5	--	--	**14,000**	--	--	--	--
MW-2	12/14/2000	**740**	< 10	68	< 30	< 40	--	--	**15,000**	--	--	--	--
MW-2	9/22/2001	**180**	9	240	110	**20**	--	--	**12,000**	--	--	--	--
MW-2	12/9/2001	**310**	9.5	100	96	< 4.0	--	--	**14,000**	--	--	--	--
MW-2	3/20/2002	**250**	< 5.0	220	98	**280**	--	--	**15,000**	--	--	--	--
MW-2	6/11/2002	**290**	< 10	160	57	< 40	--	--	**13,000**	--	--	--	--
MW-2	12/21/2002	**111**	13.4	211	70.3	**148**	--	--	**5,970**	--	--	--	--
MW-2	3/19/2003	**79.9**	8.71	156	55	< 25.0	--	--	**5,270**	--	--	--	--
MW-2	6/18/2003	**36.7**	14.7	245	119	**143**	--	--	**6,770**	--	--	--	--
MW-2	9/23/2003	**40.5**	15.8	179	103	< 20.0	--	--	**6,490**	--	--	--	--
MW-2	10/21/2003	**31.1**	9.38	86	61	< 1.00	--	--	**4,600**	--	--	--	--
MW-2	6/29/2004	**17.8**	11.2	228	76.5	**95.2**	--	--	**5,550**	--	--	--	--
MW-2	11/15/2004	**12.3**	6.11	135	63.3	< 2.00	--	--	**5,670**	--	--	--	--
MW-2	4/14/2005	**130**	2.8	41.8	26.6	< 2.00	--	--	**4,680**	--	--	--	--
MW-2	12/18/2005	**122**	3.5	43.9	27.8	< 5.00	--	--	**5,700**	--	--	--	--
MW-2	6/11/2006	4.48	5.8	118	56.7	< 2.00	--	--	**5,450**	--	--	--	--
MW-2	11/5/2006	**263**	< 5.00	46.2	< 30.0	--	--	--	**7,490**	--	--	--	--
MW-2	9/25/2007	**715**	9.74	50.8	64	--	--	--	**7,530**	--	--	--	--
MW-2	12/31/2007	**477**	10.6	69.3	76.3	--	--	--	**6,000**	--	--	--	--
MW-2	5/29/2008	**648**	11.1	55.9	48.4	--	--	--	**9,600**	--	--	--	--
MW-2	10/28/2008	**1,430**	16	194	145	--	--	--	**10,300**	--	--	--	--
MW-2	6/22/2009	**1,200**	40	100	130	--	--	--	**4,800**	--	--	< 2.00	< 2.00
MW-2	12/15/2009	**1,600**	8.2	66	82	--	--	--	**4,300**	--	--	< 2.00	< 2.00
MW-2	5/24/2010	**320**	7.7	69	84	--	--	--	**4,200**	--	--	--	--
MW-2	10/12/2010	**1,890**	14.8	54.8	39.7	15.5	--	--	**3,590**	--	--	< 10.0	--
MW-2	5/10/2011	**281**	4.2	69.9	49.9	7.3	--	--	**5,520**	**1,000**	**2,000**	< 10.0	--

Table 2
Groundwater Analytical Data
Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**15**
MW-2	11/29/2011	**549**	7.0	82.6	61.6	--	--	--	**5,640**	98	< 380	< 10.0	--
MW-2	6/1/2012	**107**	12.7	64.2	46.1	5.0	--	--	**2,940**	**2,240**	**3,080**	10.0	< 10.0
MW-2	11/29/2012	**399**	10.2	187	154	14.7	--	--	**10,400**	**2,100**	**760**	7.7	3.2
MW-2	5/9/2013	**42.9**	6.2	115	35.4	< 5.0	--	--	**3,660**	**1,700**	< 400	12.3	< 10.0
MW-2	11/19/2013	**7.3**	4.4 J	17	40	6.3	--	--	**1,400**	280	100 J	9.8	3.2
MW-2	5/13/2014	**79**	3.3 J	58	20	6.0	--	--	**3,100**	**1,800**	**880**	6.6 J	< 4.7
MW-2	5/7/2015	**33**	6.1	91	32	2.4	--	--	**2,700**	**1,900**	**690**	**34.1**	< 4.7
MW-2	3/2/2016	**54**	5.3 J	94	26	< 5.0	--	--	**5,100**	**1,600**	< 100	--	--
MW-2	6/6/2016	**43**	4.9	92	21	1.1 J	--	--	**5,000**	**880**	**790**	--	--
MW-2	9/12/2016	**130**	6.5	83	20	2.2	--	--	**5,000**	**710**	**660**	--	--
MW-2	12/12/2016	4.1	0.74 J	12	10	< 0.50	--	--	**1,000**	**590**	< 110	--	--
MW-2	2/22/2017	< 0.331	< 0.412	2.06	2.08 J	< 0.367	--	--	**1,310**	**1,370**	321 J	--	--
MW-2	8/29/2017	**27.4**	10.7	90.9	29.4	< 0.367	--	--	**10,000**	**1,070**	242 J	--	--
MW-2	3/13/2018	**7.65**	11.5	90.0	14.6	< 1.00	--	--	**3,110**	**2,360**	**742**	--	--
MW-2	10/25/2018	< 1.00	< 1.00	< 1.00	< 3.00	< 1.00	< 0.0100	< 1.00	171 B	**788**	444	**25.5**	0.623 J
MW-2	2/20/2019	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	< 0.00240	< 0.361	85.8 BJ	199 J	175 J	< 1.90	< 1.90
MW-2	5/14/2019	1.45	< 0.412	< 0.384	< 1.06	< 0.367	< 0.00240	< 0.361	40.0 J	250	197 J	< 1.90	--
MW-2	11/26/2019	0.883 J	< 0.412	< 0.384	< 1.06	< 0.367	< 0.00240	< 0.361	256 B	414	**706**	**79.2**	< 1.90
MW-2	3/26/2020	1.39	< 0.412	< 0.158	< 0.316	< 0.102	< 0.00240	< 0.108	134 B	**2,400**	456	8.84	--
MW-2	6/3/2020	0.307 J	< 0.278	0.337 J	1.52 J	< 0.101	< 0.00536	< 0.0819	**3,320**	--	--	8.7	--
MW-2	8/7/2020	0.910 J	349 J	0.452 J	1.36 J	< 0.101	< 0.00536	< 0.0819	377 B	**4,300**	431	< 2.95	--
MW-2	12/10/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	590	190	< 350	< 4.0	< 4.0
MW-2	12/10/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	590	190	< 350	< 4.0	< 4.0
MW-2	3/8/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	< 1.0	< 250	300	< 370	< 10	< 10
MW-2	6/9/2021	1.3	< 1.0	< 1.0	< 2.0	< 1.0	--	--	410	**1,200**	< 350	< 2.0	< 2.0
MW-2	12/7/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	220	420	< 2.0	< 2.0
MW-2	3/8/2022	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 50	140	< 380	< 2.0	< 2.0
MW-2	6/22/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	< 100	< 260	< 0.50	< 0.50
MW-2	9/22/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	230	< 260	1.4	< 0.50
MW-2	11/29/2022	< 1.0	< 1.0	< 1.0	< 1.0 F1	< 1.0	--	--	< 250	120	< 360	< 2.0	< 2.0
MW-2	2/27/2023	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 50	< 120	< 370	< 2.0	< 2.0
MW-3	6/7/1993	**140**	7	13	14	--	--	--	**2,200**	--	--	--	--
MW-3	3/4/1994	**99**	2	11	10	--	--	--	**1,200**	**590**	--	4	< 3

Table 2
Groundwater Analytical Data
Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**15**
MW-3	7/6/1994	**44**	6	26	27	--	--	--	**1,500**	270	--	--	--
MW-3	10/7/1994	**63**	4	16	13	--	--	--	**1,500**	--	--	--	--
MW-3	12/28/1994	**77**	3	13	9	--	--	--	**1,800**	--	--	--	--
MW-3	3/13/1995	**87**	4	18	10	--	--	--	**1,700**	--	--	--	--
MW-3	6/30/1995	**90**	3	52	13	--	--	--	**1,800**	--	--	--	--
MW-3	9/6/1995	**96**	3	41	14	--	--	--	**1,700**	--	--	--	--
MW-3	12/8/1995	**73**	4	23	15	--	--	--	**1,800**	--	--	--	--
MW-3	3/11/1996	**120**	11	170	36	--	--	--	**2,800**	--	--	--	--
MW-3	6/18/1996	**150**	18	320	59	--	--	--	**3,500**	--	--	--	--
MW-3	9/9/1996	**62**	16	220	96	15	--	--	**3,500**	--	--	--	--
MW-3	12/11/1996	**96**	9	< 0.5	34	< 10	--	--	**2,100**	--	--	--	--
MW-3	3/13/1997	**97**	13	250	65	< 50	--	--	**3,100**	--	--	--	--
MW-3	6/5/1997	**46**	19	250	130	< 100	--	--	**3,900**	--	--	--	--
MW-3	9/5/1997	**98**	29	270	140	< 5	--	--	**4,400**	--	--	--	--
MW-3	4/2/1998	**80**	25	320	150	< 50	--	--	**3,700**	--	--	--	--
MW-3	6/8/1998	**60**	22	240	96	< 50	--	--	**3,500**	--	--	--	--
MW-3	12/9/1998	**63**	9	170	59	< 5.0	--	--	**3,200**	--	--	--	--
MW-3	6/26/1999	**72**	16	270	52	**56**	--	--	**3,100**	--	--	--	--
MW-3	1/19/2000	**72**	29	430	110	< 0.5	--	--	**5,700**	--	--	--	--
MW-3	7/2/2000	**35**	18	230	64	7	--	--	**3,300**	--	--	--	--
MW-3	12/14/2000	**40**	< 10	210	< 30	< 40	--	--	**5,500**	--	--	--	--
MW-3	12/9/2001	**42**	4.1	77	22	< 4.0	--	--	**4,200**	--	--	--	--
MW-3	6/11/2002	**77**	< 5.0	320	54	< 20	--	--	**8,400**	--	--	--	--
MW-3	12/21/2002	**37.7**	3.31	68.6	18.3	**39.3**	--	--	**3,440**	--	--	--	--
MW-3	6/18/2003	**39.1**	4.22	113	30.3	**62.6**	--	--	**4,020**	--	--	--	--
MW-3	10/21/2003	**19.8**	2.92	31.2	16.3	< 1.00	--	--	**3,190**	--	--	--	--
MW-3	11/15/2004	**15.8**	2.36	20.9	11.1	2.36	--	--	**3,170**	--	--	--	--
MW-3	4/14/2005	**17.1**	5.21	14.3	11.2	< 2.00	--	--	**3,340**	--	--	--	--
MW-3	12/18/2005	**15.1**	2.92	20.7	15.1	< 1.00	--	--	**4,150**	--	--	--	--
MW-3	6/11/2006	**20.9**	3.6	30	21.3	1.11	--	--	**4,000**	--	--	--	--
MW-3	11/5/2006	**16.8**	2.85	19	16.6	--	--	--	**4,970**	--	--	--	--
MW-3	9/25/2007	**18.2**	2.34	17.1	13.8	--	--	--	**4,530**	--	--	--	--
MW-3	12/31/2007	**16.5**	2.38	32.7	16.1	--	--	--	**4,490**	--	--	--	--
MW-3	5/29/2008	**16.5**	1.83	14.4	15	--	--	--	**5,350**	--	--	--	--

Table 2
Groundwater Analytical Data
Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**15**
MW-3	10/28/2008	**14.4**	1.86	13.8	10.3	--	--	--	**3,250**	--	--	--	--
MW-3	6/22/2009	**15**	1.7	35	7.3	--	--	--	**2,000**	--	--	< 2.00	< 2.00
MW-3	12/15/2009	**13**	1.5	28	7.3	--	--	--	**2,100**	--	--	7.7	< 2.00
MW-3	5/24/2010	**29**	6.2	28	19	--	--	--	**2,300**	--	--	--	--
MW-3	10/12/2010	**31.1**	< 1.0	16.6	4.7	< 1.0	--	--	**2,380**	--	--	< 10.0	--
MW-3	5/10/2011	**33.6**	1.2	57.5	7.9	2.4	--	--	**3,280**	**820**	**840**	< 10.0	--
MW-3	11/29/2011	**30.4**	< 1.0	21.0	6.9	--	--	--	**3,130**	< 76	< 380	< 10.0	--
MW-3	6/1/2012	**29.0**	< 1.0	35.9	7.6	2.6	--	--	**2,360**	**512**	446	< 10.0	< 10.0
MW-3	11/29/2012	3.2	1.9	40.7	10.6	1.8	--	--	**2,320**	**670**	**500**	4.1	< 3.0
MW-3	5/9/2013	**32.8**	4.2	98.3	13.9	2.7	--	--	**2,850**	**610**	< 420	< 10.0	< 10.0
MW-3	11/19/2013	3.5 J	< 0.70	3.4 J	1.3 J	0.68 J	--	--	380	**620**	340	3.2	0.47 J
MW-3	5/13/2014	**8.4**	0.94 J	17	3.7	1.1	--	--	**1,100**	**710**	**700**	< 4.7	< 4.7
MW-3	5/7/2015	**9.9**	< 0.50	10	2.1	1.2	--	--	**1,800**	430	440	< 4.7	< 4.7
MW-3	3/2/2016	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	--	< 50	< 48	150 J	--	--
MW-3	6/6/2016	1.4	< 0.50	0.78 J	< 0.50	< 0.50	--	--	500	110	180 J	--	--
MW-3	9/12/2016	4.3	< 0.50	2.1	< 0.50	< 0.50	--	--	**1,200**	100	< 67	--	--
MW-3	12/12/2016	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	--	53 J	210	140 J	--	--
MW-3	2/22/2017	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	--	--	245	254	< 165	--	--
MW-3	8/29/2017	3.87	0.434 J	3.82	1.78 J	< 0.367	--	--	**1,310**	383	238 J	--	--
MW-3	3/13/2018	< 1.00	< 1.00	< 1.00	< 3.00	< 1.00	--	--	52.8 B J	79.1 J	115 J	--	--
MW-3	10/25/2018	< 1.00	< 1.00	< 1.00	< 3.00	< 1.00	< 0.0100	< 1.00	35.6 B J	69.3 J	< 250	0.868 B J	0.602 J
MW-3	5/14/2019	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	< 0.00240	< 0.361	< 31.6	71.9 J	101 J	< 1.90	--
MW-3	11/25/2019	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	< 0.00245	< 0.361	63.6 BJ	< 66.7	276	2.06 J	--
MW-3	3/26/2020	< 0.0896	< 0.412	< 0.158	< 0.316	< 0.102	< 0.00240	< 0.108	< 31.6	101 J	94.3 J	< 1.90	--
MW-3	8/7/2020	< 0.0941	< 0.278	< 0.137	1.44 J	< 0.101	< 0.00536	< 0.0819	66.5 BJ	109 J	101 J	< 2.95	--
MW-3	12/10/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 110	< 350	< 4.0	< 4.0
MW-3	12/10/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 110	< 350	< 4.0	< 4.0
MW-3	3/8/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	< 1.0	< 250	120	< 360	< 10	< 10
MW-3	6/9/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	120	< 350	< 2.0	< 2.0
MW-3	9/13/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	140	< 350	< 2.0	< 2.0
MW-3	12/7/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	110	< 360	< 2.0	< 2.0
MW-3	3/8/2022	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 50	< 110	< 360	< 2.0	< 2.0
MW-3	6/22/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	< 100	< 250	< 0.50	< 0.50
MW-3	9/22/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	< 100	< 260	0.55	< 0.50

Table 2
Groundwater Analytical Data
Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**15**
MW-3	11/29/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	< 110	< 350	< 2.0	< 2.0
MW-3	2/27/2023	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 50	130	< 370	< 2.0	< 2.0
MW-4	5/11/1993	**8,700**	**4,000**	57	**3,200**	--	--	--	**31,000**	--	--	--	--
MW-4	3/17/1999	**12,000**	**17,000**	**1,800**	**10,000**	< 50	--	--	**100,000**	--	--	--	--
MW-4	9/28/1999	**27,000**	**65,000**	**18,000**	**100,000**	< 1000	--	--	**97,000**	--	--	--	--
MW-4	1/19/2000	**22,000**	**18,000**	**2,400**	**15,000**	< 5	--	--	**100,000**	--	--	--	--
MW-4	3/24/2000	**13,000**	**18,000**	**2,200**	**13,000**	< 5	--	--	**100,000**	--	--	--	--
MW-4	7/2/2000	**13,000**	**17,000**	**1,800**	**10,000**	**220**	--	--	**92,000**	--	--	--	--
MW-4	9/14/2000	**22,000**	**27,000**	**6,900**	**23,000**	< 5	--	--	**160,000**	--	--	--	--
MW-4	12/9/2001	**12,000**	**10,000**	**1,900**	**8,800**	< 40	--	--	**110,000**	--	--	--	--
MW-4	3/20/2002	**13,000**	**19,000**	**2,500**	**13,000**	**360**	--	--	**100,000**	--	--	--	--
MW-4	6/11/2002	**13,000**	**17,000**	**2,300**	**12,000**	< 400	--	--	**95,000**	--	--	--	--
MW-4	9/23/2003	**7,140**	**8,980**	**1,270**	**8,820**	< 50.0	--	--	**75,900**	--	--	--	--
MW-4	10/21/2003	**3,190**	**6,370**	**779**	**6,160**	< 500	--	--	**44,700**	--	--	--	--
MW-4	6/29/2004	**11,200**	**16,300**	**3,550**	**22,600**	**2,500**	--	--	**378,000**	--	--	--	--
MW-4	12/18/2005	**9,430**	**12,800**	**2,000**	**13,500**	< 100	--	--	**214,000**	--	--	--	--
MW-4	6/11/2006	**13,000**	**18,200**	**2,300**	**14,000**	< 1000	--	--	**117,000**	--	--	--	--
MW-4	11/5/2006	**6,950**	**10,500**	**2,070**	**13,500**	--	--	--	**120,000**	--	--	--	--
MW-4	12/12/2016	**120**	37	57	**1,000**	< 2.5	--	--	**25,000**	**2,100**	380	--	--
MW-4	3/26/2020	**162**	209	130	**1,670**	< 5.10	< 0.00240	< 5.40	**17,400**	**11,200**	439	**204**	**53.5**
MW-4	3/8/2021	**80**	530	330	**3,300**	< 1.0	--	< 1.0	**23,000**	**7,700**	**1,600**	**74**	**24**
MW-4	6/9/2021	**85**	120	130	**1,800**	< 1.0	--	--	**15,000**	**13,000**	**2,000**	**82**	**29**
MW-4	12/7/2021	**61**	73	130	**2,300 H**	< 1.0	--	--	**19,000**	**11,000**	**1,900**	**220**	**110**
MW-4	3/8/2022	1.6	< 1.0	6.3	61	< 1.0	--	--	**1,000**	**760**	**630**	**74**	**46**
MW-4	6/22/2022	**15**	10	45	340	< 1.0	--	--	**6,800**	**7,000**	< 260	**110**	**48**
MW-4	12/12/2022	< 10	11	66	830	< 10	--	--	**5,800**	**2,500/2300 H*1**	**750/780 H*1**	**67**	**41**
MW-4	2/27/2023	< 10	< 10	< 10	< 20	< 10	--	--	< 500	--	--	**1,200**	< 2.0
MW-4[2]	2/27/2023	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 50	240	< 380	--	--
MW-4[2]	5/25/2023	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 50	--	--	--	--
MW-5	5/11/1993	**130**	25	23	22	--	--	--	**1,800**	--	--	--	--
MW-5	3/4/1994	**26**	6	11	8	--	--	--	710	420	--	**27**	< 3
MW-5	7/6/1994	**11**	3	1	4	--	--	--	400	< 250	--	--	--

Table 2
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Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**15**
MW-5	10/7/1994	**13**	4	2	4	--	--	--	510	--	--	--	--
MW-5	12/28/1994	**46**	13	20	22	--	--	--	**1,300**	--	--	--	--
MW-5	3/13/1995	**34**	8	40	28	--	--	--	**2,800**	--	--	--	--
MW-5	6/30/1995	**50**	11	12	15	--	--	--	**1,100**	--	--	--	--
MW-5	9/6/1995	**42**	14	30	18	--	--	--	**1,100**	--	--	--	--
MW-5	12/8/1995	**32**	7	42	62	--	--	--	**1,700**	--	--	--	--
MW-5	3/11/1996	**85**	9	210	140	--	--	--	**8,100**	--	--	--	--
MW-5	6/18/1996	**100**	17	88	25	--	--	--	**2,700**	--	--	--	--
MW-5	9/9/1996	**180**	29	100	27	< 1.0	--	--	**2,200**	--	--	--	--
MW-5	12/11/1996	**110**	18	96	250	12	--	--	**4,900**	--	--	--	--
MW-5	3/13/1997	**190**	35	190	73	< 50	--	--	**5,500**	--	--	--	--
MW-5	6/5/1997	**290**	42	200	37	< 100	--	--	**4,100**	--	--	--	--
MW-5	9/5/1997	**420**	83	190	730	< 50	--	--	**3,100**	--	--	--	--
MW-5	4/2/1998	**470**	89	340	83	< 50	--	--	**5,400**	--	--	--	--
MW-5	6/8/1998	**360**	110	220	66	**71**	--	--	**4,200**	--	--	--	--
MW-5	12/9/1998	**170**	41	120	120	< 1.0	--	--	**4,900**	--	--	--	--
MW-5	6/26/1999	**180**	82	210	24	8	--	--	**3,300**	--	--	--	--
MW-5	1/19/2000	**480**	350	370	87	< 0.5	--	--	**6,500**	--	--	--	--
MW-5	7/2/2000	**390**	110	290	54	**20**	--	--	**6,100**	--	--	--	--
MW-5	12/14/2000	**26**	< 10	< 10	< 30	< 40	--	--	**4,000**	--	--	--	--
MW-5	12/9/2001	**51**	< 10	120	140	< 10	--	--	**12,000**	--	--	--	--
MW-5	6/11/2002	**94**	21	110	24	< 20	--	--	**5,700**	--	--	--	--
MW-5	12/21/2002	**6.32**	2.95	6.59	11.1	5.88	--	--	**1,300**	--	--	--	--
MW-5	6/18/2003	**7.18**	1.95	12	24.7	6	--	--	**1,950**	--	--	--	--
MW-5	10/21/2003	1.18	2.19	0.732	3.38	< 1.00	--	--	322	--	--	--	--
MW-5	6/29/2004	**5.4**	3.24	4.79	14.1	6.95	--	--	**1,180**	--	--	--	--
MW-5	11/15/2004	0.74	< 0.500	< 0.500	< 1.00	< 2.00	--	--	399	--	--	--	--
MW-5	4/14/2005	**14.3**	13.4	33.9	40	< 2.00	--	--	**2,900**	--	--	--	--
MW-5	12/18/2005	2.49	2.43	3.58	5.11	< 1.00	--	--	661	--	--	--	--
MW-5	6/11/2006	**6.08**	1.05	2.78	3.1	< 1.00	--	--	**2,830**	--	--	--	--
MW-5	11/5/2006	1.41	0.78	1.29	< 3.00	--	--	--	723	--	--	--	--
MW-5	9/25/2007	1.86	0.53	0.77	< 3.00	--	--	--	712	--	--	--	--
MW-5	12/31/2007	**9.4**	11.3	38.1	75.7	--	--	--	**7,190**	--	--	--	--
MW-5	5/29/2008	**7.47**	9.12	15.7	23.7	--	--	--	**2,740**	--	--	--	--

Table 2
Groundwater Analytical Data
Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**15**
MW-5	10/28/2008	2.01	1.46	< 0.500	3.48	--	--	--	516	--	--	--	--
MW-5	6/22/2009	**36**	24	87	49.9	--	--	--	**4,800**	--	--	**23**	--
MW-5	12/15/2009	**24**	19	29	23	--	--	--	**2,300**	--	--	12	11
MW-5	5/24/2010	**59**	8.4	96	41	--	--	--	**4,200**	--	--	--	--
MW-5	10/12/2010	**31.4**	2.6	12.7	4.8	< 1.0	--	--	**2,320**	--	--	< 10.0	--
MW-5	5/10/2011	**12.4**	4.1	39.3	25.5	< 1.0	--	--	**4,710**	470	< 400	< 10.0	--
MW-5	11/29/2011	**12.3**	2.2	6.4	3.1	--	--	--	**2,210**	95	< 380	10.5	--
MW-5	6/1/2012	**13.3**	3.0	9.6	10.7	< 1.0	--	--	**1,620**	**1,040**	< 392	< 10.0	< 10.0
MW-5	11/29/2012	**18.0**	8.0	61.7	28.2	< 1.0	--	--	**4,160**	**1,100**	< 440	**42.5**	< 3.0
MW-5	5/9/2013	**19.0**	6.7	48.3	18.5	< 1.0	--	--	**3,470**	< 400	< 400	< 10.0	< 10.0
MW-5	11/19/2013	**24**	5.7	17	6.3	< 0.50	--	--	**1,800**	240	**660**	6.7	1.3
MW-5	5/13/2014	**17**	7.5	69	23	< 0.50	--	--	**4,400**	440	370	**16.2**	9.2 J
MW-5	5/7/2015	**11**	4.8	32	12	< 0.50	--	--	**2,800**	240	260	**18.4**	5.2 J
MW-5	3/2/2016	4.5	2.8	24	13	< 0.50	--	--	**4,100**	320	**530**	--	--
MW-5	6/6/2016	**6.9**	4.4	23	15	< 0.50	--	--	**5,300**	310	**620**	--	--
MW-5	12/12/2016	1.7	1.8	9.0	4.5	< 0.50	--	--	**4,300**	**17,000**	< 540	--	--
MW-5	2/22/2017	0.572 J	< 0.412	1.39	1.10 J	< 0.367	--	--	**3,440**	**9,890**	204 J	--	--
MW-5	8/29/2017	**7.48**	1.60	6.01	11.1	< 0.367	--	--	**1,810**	**7,040**	432	--	--
MW-5	3/13/2018	< 1.00	< 1.00	0.544 J	< 3.00	< 1.00	--	--	356 B	**1,440**	216 J	--	--
MW-5	5/14/2019	0.403 J	< 0.412	< 0.384	5.45	< 0.367	< 0.00240	< 0.361	54.5 J	**1,120**	122 J	--	--
MW-5	3/25/2020	< 0.0896	< 0.412	< 0.158	< 0.316	< 0.102	< 0.00240	< 0.108	< 31.6	300	108 J	**21.2**	3.84 J
MW-5	3/8/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	< 1.0	< 250	170	< 360	< 10	< 10
MW-5	3/8/2022	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 50	270	< 360	6.8	< 2.0
MW-5	12/12/2022	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 50	--	--	--	--
MW-6	9/5/1997	< 0.5	19	6	15	**32**	--	--	**930**	--	--	--	--
MW-6	4/2/1998	< 0.5	10	3	11	6	--	--	600	--	--	--	--
MW-6	6/8/1998	< 0.5	6	2	5	10	--	--	430	--	--	--	--
MW-6	12/9/1998	< 1.0	< 1.0	1	3	2	--	--	260	--	--	--	--
MW-6	1/19/2000	< 0.5	< 0.5	6	10	7	--	--	330	--	--	--	--
MW-6	12/14/2000	< 10	< 10	< 10	< 30	< 40	--	--	**1,000**	--	--	--	--
MW-6	10/21/2003	**10**	3.66	0.898	5.03	< 1.00	--	--	254	--	--	--	--
MW-6	6/29/2004	**6.8**	1.73	< 0.500	5.65	6.35	--	--	540	--	--	--	--
MW-6	11/15/2004	**43.5**	14.5	0.58	10.4	< 2.00	--	--	370	--	--	--	--

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Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**15**
MW-6	4/14/2005	**6.39**	0.95	< 0.500	3.75	< 2.00	--	--	443	--	--	--	--
MW-6	12/18/2005	< 0.500	< 0.500	< 0.500	3.01	< 1.00	--	--	694	--	--	--	--
MW-6	6/11/2006	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	601	--	--	--	--
MW-6	11/5/2006	< 0.500	< 0.500	< 0.500	< 3.00	--	--	--	444	--	--	--	--
MW-6	9/25/2007	< 0.500	< 0.500	< 0.500	< 3.00	--	--	--	321	--	--	--	--
MW-6	12/31/2007	< 0.500	< 0.500	< 0.500	< 3.00	--	--	--	168	--	--	--	--
MW-6	5/29/2008	< 0.500	< 0.500	< 0.500	< 3.00	--	--	--	**1,620**	--	--	--	--
MW-6	10/28/2008	< 0.500	< 0.500	< 0.500	< 3.00	--	--	--	481	--	--	--	--
MW-6	6/22/2009	< 1.00	< 1.00	< 1.00	< 3.00	--	--	--	< 50.0	--	--	< 2.00	< 2.00
MW-6	12/15/2009	< 1.00	< 1.00	< 1.00	< 2.00	--	--	--	190	--	--	< 2.00	< 2.00
MW-6	5/24/2010	**8.1**	< 2.5	< 2.5	< 5.0	--	--	--	280	--	--	--	--
MW-6	10/12/2010	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	--	--	< 10.0	--
MW-6	5/10/2011	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	96.0	180	< 390	< 10.0	--
MW-6	11/29/2011	< 1.0	< 1.0	< 1.0	< 3.0	--	--	--	< 50.0	< 78	< 390	< 10.0	--
MW-6	6/1/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	124	< 76.9	< 385	< 10.0	< 10.0
MW-6	5/9/2013	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	216	< 400	< 400	< 10.0	< 10.0
MW-6	11/19/2013	< 0.50	< 0.70	< 0.80	< 0.80	< 0.50	--	--	130 J	31 J	< 71	0.97 J	0.12 J
MW-6	5/13/2014	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	--	120 J	80 J	180 J	< 4.7	< 4.7
MW-6	5/7/2015	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	--	< 50	< 28	< 65	< 4.7	< 4.7
MW-6	6/6/2016	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	--	< 50	< 46	< 100	--	--
MW-6	9/12/2016	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	--	< 50	140	280	--	--
MW-6	12/12/2016	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	--	< 50	< 47	< 100	--	--
MW-6	2/22/2017	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	--	--	33.5 J	< 82.5	< 165	--	--
MW-6	8/29/2017	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	--	--	160	< 139	183 J	--	--
MW-6	3/13/2018	< 1.00	< 1.00	< 1.00	< 3.00	< 1.00	--	--	40.0 B J	< 200	< 250	--	--
MW-6	10/25/2018	< 1.00	< 1.00	< 1.00	< 3.00	< 1.00	< 0.0100	< 1.00	< 100	73.4 J	< 250	< 2.00	< 2.00
MW-6	2/22/2019	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	< 0.00240	< 0.361	< 31.6	76.5 J	214 J	< 1.90	< 1.90
MW-6	8/27/2019	< 0.0896	< 0.412	< 0.158	< 1.06	< 0.367	< 0.00245	< 1.00	< 31.6	79.6 J	85.9 J	3.18 J	--
MW-6	3/26/2020	< 0.0896	< 0.412	< 0.158	< 0.316	< 0.102	< 0.00240	< 0.108	< 31.6	73.9 J	152 J	< 1.90	--
MW-6	6/2/2020	< 0.0941	< 0.278	< 0.137	< 0.174	< 0.101	< 0.00536	< 0.0819	< 31.6	--	--	< 2.95	--
MW-6	12/10/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 110	< 350	< 4.0	< 4.0
MW-6	12/10/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 110	< 350	< 4.0	< 4.0
MW-6	3/8/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	< 1.0	< 250	< 110	< 360	< 10	< 10
MW-6	6/9/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	--	--	--	--

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Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**15**
MW-6	9/13/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	< 110	< 350	< 2.0	< 2.0
MW-6	12/7/2021	< 1.0	< 1.0	< 1.0	3.5	< 1.0	--	--	< 250	< 110	< 350	< 2.0	< 2.0
MW-6	3/8/2022	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 50	250	400	< 2.0	< 2.0
MW-6	6/22/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	< 100	< 260	< 0.50	< 0.50
MW-6	9/22/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	< 110	< 270	< 5.0	< 0.50
MW-6	11/29/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	< 110	< 350	< 2.0	< 2.0
MW-6	2/27/2023	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 50	< 120	< 370	< 2.0	< 2.0
MW-7	4/2/1998	< 5	35	480	**1,100**	< 50	--	--	**13,100**	--	--	--	--
MW-7	6/8/1998	< 5.0	40	420	810	**63**	--	--	**12,000**	--	--	--	--
MW-7	12/9/1998	< 5.0	26	360	610	11	--	--	**9,600**	--	--	--	--
MW-7	6/26/1999	**11**	24	410	600	< 5.0	--	--	**8,300**	--	--	--	--
MW-8	4/2/1998	< 0.5	1	< 0.5	< 1.5	< 5	--	--	< 100	--	--	--	--
MW-8	6/8/1998	< 0.5	1	2	< 1.5	< 5.0	--	--	< 100	--	--	--	--
MW-8	12/9/1998	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	--	--	< 500	--	--	--	--
MW-8	6/26/1999	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	--	--	< 500	--	--	--	--
MW-9	10/12/2010	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	--	--	< 10.0	--
MW-9	5/10/2011	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	160	< 420	< 10.0	--
MW-9	11/29/2011	< 1.0	< 1.0	< 1.0	< 3.0	--	--	--	< 50.0	< 76	< 380	< 10.0	--
MW-9	5/9/2013	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 100	< 400	< 400	< 10.0	< 10.0
MW-9	11/19/2013	< 0.50	< 0.70	< 0.80	< 0.80	< 0.50	--	--	< 50	49 J	< 75	1.0	0.090 J
MW-9	5/13/2014	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	--	< 50	< 29	< 67	< 4.7	< 4.7
MW-9	5/7/2015	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	--	< 50	28 J	< 65	< 4.7	< 4.7
MW-9	9/12/2016	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	--	< 50	190	170 J	--	--
MW-9	8/29/2017	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	--	--	52.9 J	115 J	101 J	--	--
MW-9	10/25/2018	< 1.00	< 1.00	< 1.00	< 3.00	< 1.00	< 0.0101	< 1.00	78.3 BJ	217	140 J	0.299 B J	< 2.00
MW-9	2/20/2019	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	< 0.00240	< 0.361	36.7 BJ	116 J	120 J	< 1.90	< 1.90
MW-9	5/13/2019	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	< 0.00240	< 0.361	< 31.6	220	107 J	< 1.90	--
MW-9	8/27/2019	< 0.0896	< 0.412	< 0.158	< 0.316	< 0.102	< 0.00240	< 0.108	< 31.6	107 J	98.9 J	< 1.90	--
MW-9	11/26/2019	< 0.0896	< 0.412	< 0.158	< 0.316	< 0.102	< 0.00240	< 0.108	47 BJ	108 J	227 J	< 1.90	--
MW-9	3/26/2020	< 0.0896	< 0.412	< 0.158	< 0.316	< 0.102	< 0.00240	< 0.108	< 31.6	190 J	199 J	< 1.90	--
MW-9	6/2/2020	< 0.0941	< 0.278	< 0.137	< 0.174	< 0.101	< 0.00536	< 0.0819	< 31.6	--	--	< 2.95	--

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Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**15**
MW-9	8/7/2020	< 0.0941	< 0.278	< 0.137	< 0.174	< 0.101	< 0.00536	< 0.0819	< 31.6	216	110 J	< 2.95	--
MW-9	12/10/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 110	< 350	< 4.0	< 4.0
MW-9	12/10/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 110	< 350	< 4.0	< 4.0
MW-9	3/8/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	< 1.0	< 250	< 120	< 370	< 10	< 10
MW-9	6/9/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	210	< 360	< 2.0	< 2.0
MW-9	9/13/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	170	< 360	< 2.0	< 2.0
MW-9	12/7/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	< 110	< 360	< 2.0	< 2.0
MW-9	9/22/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	< 100	< 250	< 0.50	< 0.50
MW-9	11/29/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	< 120	< 370	< 2.0	< 2.0
MW-10	6/1/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	< 76.9	< 385	< 10.0	< 10.0
MW-10	11/29/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 100	< 420	< 420	**20.4**	< 3.0
MW-10	5/9/2013	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 100	< 400	< 400	< 10.0	< 10.0
MW-10	11/19/2013	< 0.50	< 0.70	< 0.80	< 0.80	< 0.50	--	--	66 J	< 34	< 78	12.8	< 0.085
MW-10	5/13/2014	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	--	< 50	< 28	< 66	< 4.7	< 4.7
MW-10	5/7/2015	< 0.50	< 0.50	0.81 J	7.1	< 0.50	--	--	150 J	75 J	150 J	6.3 J	< 4.7
MW-10	9/12/2016	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	--	130 J	< 29	< 68	--	--
MW-10	8/29/2017	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	--	--	< 31.6	78.2 J	126 J	--	--
MW-11	10/25/2018	< 1.00	< 1.00	< 1.00	< 3.00	< 1.00	< 0.0100	< 1.00	170 B	343	419	1.09 B J	0.582 J
MW-11	2/20/2019	< 0.331	< 0.412	< 0.384	< 1.06	1.04	< 0.00240	< 0.361	132 B	354	466	< 1.90	< 1.90
MW-11	5/13/2019	< 0.331	< 0.412	< 0.384	< 1.06	0.674 J	< 0.00240	< 0.361	40.1 J	423	308	< 1.90	--
MW-11	8/27/2019	< 0.0896	< 0.412	< 0.158	< 0.316	0.818	< 0.00240	< 0.108	< 31.6	227	295	2.51 J	--
MW-11	11/25/2019	< 0.0896	< 0.412	< 0.158	< 0.316	0.771	< 0.00240	< 0.108	137 B	220	408	< 1.90	--
MW-11	3/25/2020	< 0.0896	< 0.412	< 0.158	< 0.316	< 0.102	< 0.00240	< 0.108	75.1 BJ	**747**	131 J	< 1.90	--
MW-11	6/2/2020	< 0.0941	< 0.278	< 0.137	< 0.174	0.229 J	< 0.00536	< 0.0819	91.5 J	--	--	3.23 J	--
MW-11	8/6/2020	< 0.0941	< 0.278	< 0.137	< 0.174	0.266 J	< 0.00536	< 0.0819	85.2 BJ	289	317	< 2.95	--
MW-11	12/10/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 110	< 350	< 4.0	< 4.0
MW-11	12/10/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 110	< 350	< 4.0	< 4.0
MW-11	3/8/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	< 1.0	< 250	**840**	< 370	< 10	< 10
MW-11	6/9/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	390	< 350	< 2.0	< 2.0
MW-11	9/13/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	370	390	< 2.0	< 2.0
MW-11	12/7/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	**540**	480	< 2.0	< 2.0
MW-11	9/22/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	290	< 270	< 0.50	< 0.50

Table 2
Groundwater Analytical Data
Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**15**
MW-11	11/29/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	**680**	460	< 2.0	< 2.0
MW-11	2/27/2023	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 50	420	< 360	< 2.0	< 2.0
MW-11	5/25/2023	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 50	310	< 360	< 2.0	< 2.0
MW-12	10/25/2018	1.17	< 1.00	< 1.00	< 3.00	< 1.00	< 0.0100	< 1.00	**867**	**705**	189 J	1.00 B J	< 2.00
MW-12	2/20/2019	4.91	< 0.412	2.81	2.54 J	< 0.367	< 0.00240	< 0.361	**3,370**	486	206 J	< 1.90	< 1.90
MW-12	5/13/2019	3.79	< 0.412	0.457 J	< 1.06	< 0.367	< 0.00240	< 0.361	**1,320**	394	198 J	< 1.90	--
MW-12	8/27/2019	3.11	< 0.412	0.705	0.404 J	< 0.102	< 0.00245	< 0.108	260	404	192 J	< 1.90	--
MW-12	11/25/2019	2.79	< 0.412	1.06	0.464 J	< 0.102	< 0.00240	< 0.108	**855**	349	183 J	**25.8**	< 1.90
MW-12	3/26/2020	1.18	< 0.412	0.844	0.318 J	< 0.102	< 0.00240	< 0.108	300 B	**1,710**	281	< 1.90	--
MW-12	6/2/2020	0.872	< 0.278	2.35	0.526 J	< 0.101	< 0.00536	< 0.0819	**917**	--	--	< 2.95	--
MW-12	8/6/2020	0.644 J	< 0.278	0.500 J	0.448 J	< 0.101	< 0.00536	< 0.0819	268 J	**1,630**	317	< 2.95	--
MW-12	12/10/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	290	400	< 350	< 4.0	< 4.0
MW-12	12/10/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	290	400	< 350	< 4.0	< 4.0
MW-12	3/8/2021	< 1.0 F1F2	< 1.0 F1F2	18 F1	< 2.0 F1F2	< 1.0 F1F2	--	< 1.0 F1F2	**1,600**	**2,500**	< 360	< 10 F1	< 10
MW-12	6/9/2021	< 1.0	< 1.0	2.2	< 2.0	< 1.0	--	--	530	**3,000**	390	< 2.0	< 2.0
MW-12	9/13/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	430	**2,700**	370	< 2.0	< 2.0
MW-12	12/7/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	440	**2,700**	420	< 2.0	< 2.0
MW-12	9/22/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	**950**	440	< 240	< 0.50	< 0.50
MW-12	11/29/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	510	**870**	< 350	< 2.0	< 2.0
MW-12	2/27/2023	< 1.0	< 1.0	1.2	< 2.0	< 1.0	--	--	**1,100**	**900**	< 370	< 2.0	< 2.0
MW-12	5/25/2023	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	820	**1,300**	< 360	< 2.0	< 2.0
VE-1	4/2/1998	**3,900**	**2,300**	**820**	**4,500**	< 2500	--	--	**60,500**	--	--	--	--
VE-1	9/17/1998	**2,700**	**2,000**	**1,400**	**7,700**	< 100	--	--	**240,000**	--	--	--	--
VE-1	12/9/1998	**2,200**	**1,400**	**770**	**3,700**	< 25	--	--	**73,000**	--	--	--	--
VE-1	3/17/1999	**4,000**	**2,400**	**790**	**4,100**	< 25	--	--	**42,000**	--	--	--	--
VE-1	6/26/1999	**3,800**	**2,600**	670	**3,500**	< 100	--	--	**42,000**	--	--	--	--
VE-1	9/28/1999	**3,400**	**2,000**	630	**3,000**	< 25	--	--	**25,000**	--	--	--	--
VE-1	3/24/2000	**3,200**	610	27	**3,600**	< 5	--	--	**31,000**	--	--	--	--
VE-1	7/2/2000	**3,200**	**1,900**	620	**3,000**	**130**	--	--	**27,000**	--	--	--	--
VE-1	9/14/2000	**3,200**	**2,200**	**920**	**3,000**	< 5	--	--	**29,000**	--	--	--	--
VE-1	12/14/2000	**2,400**	**1,300**	580	**2,600**	< 40	--	--	**28,000**	--	--	--	--
VE-1	12/9/2001	**1,300**	880	510	**2,400**	< 40	--	--	**24,000**	--	--	--	--

Table 2
Groundwater Analytical Data
Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**15**
VE-1	3/20/2002	**1,800**	**1,300**	560	**2,400**	**280**	--	--	**52,000**	--	--	--	--
VE-1	6/11/2002	**2,800**	**1,600**	650	**2,900**	< 80	--	--	**26,000**	--	--	--	--
VE-1	12/21/2002	**1,630**	**1,150**	**741**	**3,660**	< 200	--	--	**25,900**	--	--	--	--
VE-1	3/19/2003	**1,590**	**1,450**	**743**	**3,640**	< 250	--	--	**27,100**	--	--	--	--
VE-1	6/18/2003	**2,190**	**1,710**	**929**	**5,230**	**79.8**	--	--	**37,000**	--	--	--	--
VE-1	9/23/2003	**1,620**	**1,270**	**704**	**3,500**	< 20.0	--	--	**28,300**	--	--	--	--
VE-1	10/22/2003	**3,360**	**1,850**	**847**	**4,130**	< 50.0	--	--	**36,700**	--	--	--	--
VE-1	6/29/2004	**8,070**	**7,030**	**2,230**	**10,400**	**820**	--	--	**192,000**	--	--	--	--
VE-1	11/15/2004	**5,680**	**6,280**	**3,430**	**17,600**	< 100	--	--	**99,900**	--	--	--	--
VE-1	4/14/2005	**3,120**	**3,300**	**1,210**	**5,560**	< 40.0	--	--	**39,600**	--	--	--	--
VE-1	12/18/2005	**6,140**	**5,850**	**1,400**	**6,750**	< 100	--	--	**142,000**	--	--	--	--
VE-1	6/11/2006	**7,200**	**8,100**	**3,900**	**25,100**	< 500	--	--	**68,300**	--	--	--	--
VE-1	11/5/2006	**3,780**	**4,320**	**1,190**	**6,390**	--	--	--	**60,500**	--	--	--	--

Table 2
Groundwater Analytical Data
Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS	**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**15**

Notes:

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes, Total

MTBE = Methyl-tertiary-butyl ether

TPH-G = Total petroleum hydrocarbons as gasoline by Northwest Method NWTPH-Gx

TPH-D = Total petroleum hydrocarbons as diesel by Northwest Method NWTPH-Dx

TPH-O = Total petroleum hydrocarbons as oil by Northwest Method NWTPH-Dx

EDB = Ethylene dibromide

EDC = 1,2-Dichloroethane

1,000/800[1] ug/L if no detectable levels of Benzene in the sample - otherwise 800 ug/L

<1.0 = Concentrations were not detected above the laboratory method reporting limit.

ug/L = Micrograms per liter (ppb)

-- = No value given/Not analyzed/Not applicable

MTCA = Model Toxics Control Act

Results in **bold** indicate concentrations in excess of MTCA Method A Cleanup Levels

J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value

B = The same analyte is found in the associated blank.

F1 = MS and/or MSD recovery exceeds control limits

F2 = MS/MSD RPD exceeds control limits

H = Sample was prepped or analyzed beyond the specified holding time

*1 = LCS/LCSD RPD exceeds control limits.

[2] = Sample collected from a Passive Diffusion Bag (PDB)

Regarding MW-4_20221212: Method NWTPH-Dx: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 580-413921 and analytical batch 580-414023 recovered outside control limits for the following analytes: #2 Diesel (C10-C24) and Motor Oil (>C24-C36). The following sample was re-prepared outside of preparation holding time due to low surrogate in the method blank MW4 _ 20221212 (580-121302-1). Both data sets are reported.

MW-5 12/12/2022 samples were not analized for TPH-D, TPH-O, Total Lead, or Dissolved Lead due to insufficient sample volume remaining in the well during time of collection.

Table 3
PAH Groundwater Analytical Data
Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Total Naphthalenes	Phenanthrene	Pyrene	Total Polynuclear Aromatic Hydrocarbons
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS						**0.1**									**160**			**160**			**0.1**
Well ID	Date																				
GMW-1	5/7/2015	--	--	--	< 0.010	< 0.010	< 0.010	--	< 0.010	< 0.010	< 0.010	--	--	< 0.010	7.4	1.8	4	13.2	--	--	< 0.00755
GMW-1	3/2/2016	--	--	--	0.043 J	0.029 J	0.022 J	--	0.031 J	0.071	0.061	--	--	0.032 J	< 0.030	0.079	0.17	0.264	--	--	0.04861
GMW-1	6/6/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	2.2	0.53	1.1	3.83	--	--	--
GMW-1	9/12/2016	--	--	--	< 0.0095	< 0.0095	< 0.0095	--	< 0.0095	< 0.0095	< 0.0095	--	--	< 0.0095	7.1	1.4	2.8	11.3	--	--	< 0.00717
GMW-1	9/12/2016	--	--	--	< 0.0095	< 0.0095	< 0.0095	--	< 0.0095	< 0.0095	< 0.0095	--	--	< 0.0095	6.8	1.4	2.8	11	--	--	< 0.00717
GMW-1	2/20/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	< 0.0198	0.0121 J	0.024 J	< 0.046	--	--	< 0.007783
GMW-1	5/13/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.377	0.0625 J	0.0189 J	0.4584	--	--	< 0.007783
GMW-1	8/27/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.642	0.0389 J	0.140 J	0.8209	--	--	< 0.007783
GMW-1	3/25/2020	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.200 BJ	0.0274 J	0.0130 J	0.24	--	--	< 0.007783
GMW-1	6/2/2020	--	--	--	< 0.0203	< 0.0184	< 0.0168	--	< 0.0202	< 0.0179	< 0.0160	--	--	< 0.0158	0.108 J	< 0.0687	< 0.0674	< 0.176	--	--	< 0.0137
GMW-1	8/6/2020	--	--	--	< 0.0203	< 0.0184	< 0.0168	--	< 0.0202	< 0.0179	< 0.0160	--	--	< 0.0158	< 0.917	< 0.687	< 0.674	< 1.14	--	--	< 0.0137
GMW-1	6/9/2021	< 0.10	< 0.051	< 0.10	< 0.051	< 0.10	< 0.051	< 0.051	< 0.051	< 0.10	< 0.10	< 0.20	< 0.10	< 0.051	< 0.10	< 0.10	< 0.20	--	< 0.10	< 0.10	--
MW-1	5/7/2015	--	--	--	0.025 J	0.026 J	0.044 J	--	0.020 J	0.032 J	0.018 J	--	--	0.033 J	< 0.031	0.023 J	0.026 J	0.0645	--	--	0.04032
MW-1	3/2/2016	--	--	--	< 0.011	< 0.011	< 0.011	--	< 0.011	< 0.011	< 0.011	--	--	< 0.011	0.4	0.12	0.2	0.72	--	--	< 0.008305
MW-1	2/22/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	< 0.0198	0.0129 J	0.0207 J	< 0.0435	--	--	< 0.007783
MW-1	5/14/2019	--	--	--	< 0.00820	< 0.0232	< 0.00424	--	< 0.0272	< 0.0216	< 0.00792	--	--	< 0.0296	0.110 J	0.0309 J	0.0414 J	0.1823	--	--	< 0.015566
MW-1	3/26/2020	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.0777 BJ	< 0.00821	< 0.00902	< 0.0863	--	--	< 0.007783
MW-1	6/3/2020	--	--	--	< 0.0203	< 0.0184	< 0.0168	--	< 0.0202	< 0.0179	< 0.0160	--	--	< 0.0158	< 0.0917	< 0.0687	< 0.0674	< 0.114	--	--	< 0.0137
MW-1	8/6/2020	--	--	--	< 0.0203	< 0.0184	< 0.0168	--	< 0.0202	< 0.0179	< 0.0160	--	--	< 0.0158	0.0925 J	< 0.687	< 0.674	< 0.773	--	--	< 0.0137
MW-1	6/9/2021	< 0.10	< 0.051	< 0.10	< 0.051	< 0.10	< 0.051	< 0.051	< 0.051	< 0.10	< 0.10	< 0.20	< 0.10	< 0.051	< 0.10	< 0.10	< 0.20	--	< 0.10	< 0.10	--
MW-2	5/7/2015	--	--	--	< 0.010	< 0.010	< 0.010	--	< 0.010	< 0.010	< 0.010	--	--	< 0.010	4.3	1.1	0.35	5.75	--	--	< 0.0137
MW-2	3/2/2016	--	--	--	< 0.010	< 0.010	< 0.010	--	< 0.010	< 0.010	< 0.010	--	--	< 0.010	4.3	1.7	0.34	6.34	--	--	< 0.0137
MW-2	6/6/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	4.6	2.5	0.29	7.39	--	--	< 0.0137
MW-2	9/12/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.0137
MW-2	2/20/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	< 0.0198	0.00849 J	0.0174 J	< 0.03579	--	--	< 0.0137
MW-2	5/14/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.0593 J	0.0214 J	0.0228 J	0.1035	--	--	< 0.0137
MW-2	8/27/2019	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.0137
MW-2	11/26/2019	--	--	--	0.00684 BJ	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.0680 BJ	0.0255 BJ	0.0174 BJ	0.1109	--	--	< 0.0137
MW-2	3/26/2020	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.0939 BJ	< 0.00821	< 0.00902	< 0.103	--	--	< 0.0137
MW-2	6/3/2020	--	--	--	< 0.0203	< 0.0184	< 0.0168	--	< 0.0202	< 0.0179	< 0.0160	--	--	< 0.0158	0.188 J	< 0.0687	0.150 J	< 0.372	--	--	< 0.0137
MW-2	8/7/2020	--	--	--	< 0.0203	< 0.0184	< 0.0168	--	< 0.0202	< 0.0179	< 0.0160	--	--	< 0.0158	0.171 J	< 0.687	< 0.674	< 0.852	--	--	< 0.0137
MW-2	6/9/2021	< 0.10	< 0.051	< 0.10	< 0.051	< 0.10	< 0.051	< 0.051	< 0.051	< 0.10	< 0.10	< 0.20	< 0.10	< 0.051	< 0.10	< 0.10	< 0.20	--	< 0.10	< 0.10	--
MW-2	12/7/2021	< 0.10	< 0.052	< 0.10	< 0.052	< 0.10	< 0.052	< 0.052	< 0.052	< 0.10	< 0.10	< 0.21	< 0.10	< 0.052	< 0.10	< 0.10	< 0.21	--	< 0.10	< 0.10	--
MW-3	5/7/2015	--	--	--	0.016 J	0.015 J	0.025 J	--	< 0.010	0.018 J	< 0.010	--	--	0.016 J	< 0.030	0.76	0.041	0.816	--	--	0.02188
MW-3	3/2/2016	--	--	--	< 0.010	< 0.010	< 0.010	--	< 0.010	< 0.010	< 0.010	--	--	< 0.010	< 0.030	< 0.010	< 0.010	< 0.025	--	--	< 0.00755
MW-3	6/6/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.031	0.032 J	< 0.010	0.053	--	--	--
MW-3	9/12/2016	--	--	--	< 0.0095	< 0.0095	< 0.0095	--	< 0.0095	< 0.0095	< 0.0095	--	--	< 0.0095	< 0.029	0.19	< 0.0095	0.20925	--	--	< 0.00717
MW-3	5/14/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.0335 J	< 0.00821	< 0.00902	< 0.0421	--	--	< 0.007783
MW-3	11/25/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	< 0.0198	< 0.00821	< 0.00902	< 0.0185	--	--	< 0.007783
MW-3	3/26/2020	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.0293 BJ	< 0.00821	< 0.00902	< 0.0379	--	--	< 0.007783
MW-3	8/7/2020	--	--	--	< 0.0203	< 0.0184	< 0.0168	--	< 0.0202	< 0.0179	< 0.0160	--	--	< 0.0158	< 0.917	< 0.687	< 0.674	< 1.14	--	--	< 0.0137
MW-3	6/9/2021	< 0.10	< 0.051	< 0.10	< 0.051	< 0.10	< 0.051	< 0.051	< 0.051	< 0.10	< 0.10	< 0.20	< 0.10	< 0.051	< 0.10	< 0.10	< 0.20	--	< 0.10	< 0.10	--
MW-3	9/13/2021	< 0.10	< 0.051	< 0.10	< 0.051	< 0.10	< 0.051	< 0.051	< 0.051	< 0.10	< 0.10	< 0.20	< 0.10	< 0.051	< 0.10	< 0.10	< 0.20	--	< 0.10	< 0.10	--
MW-3	12/7/2021	< 0.10	< 0.051	< 0.10	< 0.051	< 0.10	< 0.051	< 0.051	< 0.051	< 0.10	< 0.10	< 0.21	< 0.10	< 0.051	0.59	< 0.10	< 0.21	--	< 0.10	< 0.10	--
MW-4	3/26/2020	--	--	--	0.0381 J	0.0250 J	0.0344 J	--	< 0.0272	< 0.0216	< 0.00792	--	--	< 0.0296	113	21.7	35.5	**170.2**	--	--	< 0.03559
MW-4	6/9/2021	< 5.1	< 2.5	< 0.10	< 0.051	< 0.10	0.061	0.076	< 0.051	< 0.10	< 0.10	< 0.20	< 5.1	< 0.051	76	16	28	--	0.34	0.23	--
MW-4	12/7/2021	< 0.11	< 0.053	< 0.11	< 0.053	< 0.11	0.063	< 0.053	< 0.053	< 0.11	< 0.11	< 0.21	< 0.11	< 0.053	28	4.4	8.7	--	0.16	0.17	--
MW-5	5/7/2015	--	--	--	< 0.010	< 0.010	0.014 J	--	< 0.010	< 0.010	< 0.010	--	--	< 0.010	11	3	2.5	16.5	--	--	0.00845
MW-5	3/2/2016	--	--	--	< 0.010	< 0.010	< 0.010	--	< 0.010	< 0.010	< 0.010	--	--	< 0.010	9.9	2.7	2.8	15.4	--	--	< 0.00755
MW-5	6/6/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	7.3	2.3	2.3	11.9	--	--	--
MW-5	3/25/2020	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.0349 BJ	< 0.00821	< 0.00902	< 0.0435	--	--	< 0.007783
MW-6	5/7/2015	--	--	--	< 0.010	< 0.010	< 0.010	--	< 0.010	< 0.010	< 0.010	--	--	< 0.010	< 0.030	0.011 J	0.012 J	0.038	--	--	< 0.00755
MW-6	6/6/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.031	< 0.010	< 0.010	< 0.026	--	--	--
MW-6	9/12/2016	--	--	--	< 0.0095	< 0.0095	< 0.0095	--	< 0.0095	< 0.0095	< 0.0095	--	--	< 0.0095	< 0.028	< 0.0095	< 0.0095	< 0.0235	--	--	< 0.00717
MW-6	2/22/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.221 J	0.00929 J	0.0137 J	0.24399	--	--	< 0.007783
MW-6	8/27/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.0249 BJ	< 0.00821	< 0.00902	< 0.0335	--	--	< 0.007783
MW-6	11/26/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.0249 BJ	< 0.00821	< 0.00902	< 0.0335	--	--	< 0.007783
MW-6	3/26/2020	--	--	--	< 0.00410	< 0.0116	0.00655 J	--	< 0.0136	0.0112 J	< 0.00396	--	--	< 0.0148	0.0625 BJ	0.0164 J	0.0200 J	0.0989	--	--	< 0.008390
MW-6	6/2/2020	--	--	--	< 0.0203	< 0.0184	< 0.0168	--	< 0.0202	< 0.0179	< 0.0160	--	--	< 0.0158	< 0.0917	< 0.0687	< 0.0674	< 0.114	--	--	< 0.0137
MW-6	9/13/2021	< 0.11	< 0.056	< 0.11	< 0.056	< 0.11	< 0.056	< 0.056	< 0.056	< 0.11	< 0.11	< 0.22	< 0.11	< 0.056	< 0.11	< 0.11	< 0.22	--	< 0.11	< 0.11	--
MW-6	12/7/2021	< 0.10	< 0.051	< 0.10	< 0.051	< 0.10	< 0.051	< 0.051	< 0.051	< 0.10	< 0.10	< 0.21	< 0.10	< 0.051	0.30	< 0.10	< 0.21	--	< 0.10	< 0.10	--
MW-9	5/7/2015	--	--	--	< 0.010	< 0.010	< 0.010	--	< 0.010	< 0.010	< 0.010	--	--	< 0.010	< 0.031	< 0.010	0.015 J	0.0355	--	--	< 0.00755
MW-9	9/12/2016	--	--	--	< 0.0095	< 0.0095	< 0.0095	--	< 0.0095	< 0.0095	< 0.0095	--	--	< 0.0095	< 0.028	< 0.0095	< 0.0095	< 0.0235	--	--	< 0.00717
MW-9	2/20/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	< 0.0198	< 0.00821	0.0150 J	< 0.029005	--	--	< 0.007783
MW-9	5/13/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	< 0.0198	0.0162 J	0.0140 J	< 0.0401	--	--	< 0.007783
MW-9	8/27/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.0350 BJ	< 0.00821	< 0.00902	< 0.04362	--	--	< 0.007783
MW-9	11/26/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.0350 BJ	< 0.00821	< 0.00902	< 0.04362	--	--	< 0.007783
MW-9	3/26/2020	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.0244 BJ	< 0.00821	< 0.00902	< 0.0208	--	--	< 0.007783
MW-9	6/2/2020	--	--	--	< 0.0203	< 0.0184	< 0.0168	--	< 0.0202	< 0.0179	< 0.0160	--	--	< 0.0158	< 0.0917	< 0.0687	< 0.0674	< 0.114	--	--	< 0.0137
MW-9	8/7/2020	--	--	--	< 0.0203	< 0.0184	< 0.0168	--	< 0.0202	< 0.0179	< 0.0160	--	--	< 0.0158	< 0.917	< 0.687	< 0.674	< 1.14	--	--	< 0.0137
MW-9	6/9/2021	< 0.10	< 0.051	< 0.10	< 0.051	< 0.10	< 0.051	< 0.051	< 0.051	< 0.10	< 0.10	< 0.21	< 0.10	< 0.051	< 0.10	< 0.10	< 0.21	--	< 0.10	< 0.10	--
MW-9	9/13/2021	< 0.10	< 0.052	< 0.10	< 0.052	< 0.10	< 0.052	< 0.052	< 0.052	< 0.10	< 0.10	< 0.21	< 0.10	< 0.052	< 0.10	< 0.10	< 0.21	--	< 0.10	< 0.10	--
MW-9	12/7/2021	< 0.10	< 0.052	< 0.10	< 0.052	< 0.10	< 0.052	< 0.052	< 0.052	< 0.10	< 0.10	< 0.21	< 0.10	< 0.052	< 0.10	< 0.10	< 0.21	--	< 0.10	< 0.10	--
MW-10	5/7/2015	--	--	--	< 0.010	< 0.010	< 0.010	--	< 0.010	< 0.010	< 0.010	--	--	< 0.010	0.77	0.23	0.35	1.35	--	--	< 0.00755
MW-10	9/12/2016	--	--	--	< 0.0095	< 0.0095	< 0.0095	--	< 0.0095	< 0.0095	< 0.0095	--	--	< 0.0095	< 0.029	< 0.0095	< 0.0095	< 0.024	--	--	< 0.00717
MW-11	2/20/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	< 0.0198	0.00930 J	< 0.00902	< 0.02371	--	--	< 0.007783
MW-11	5/13/2019	--	--	--	0.00965 J	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.165 J	0.0258 J	0.0121 J	0.2029	--	--	0.008543
MW-11	8/27/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.169 BJ	0.0102 J	0.0107 J	0.1899	--	--	< 0.007783
MW-11	11/25/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.141 J	< 0.00821	0.0104 J	< 0.1556	--	--	< 0.007783
MW-11	3/25/2020	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.0887 BJ	0.0194 J	0.0106 J	0.119	--	--	< 0.00778
MW-11	6/2/2020	--	--	--	< 0.0203	< 0.0184	< 0.0168	--	< 0.0202	< 0.0179	< 0.0160	--	--	< 0.0158	< 0.0917	< 0.0687	< 0.0674	< 0.114	--	--	< 0.0137
MW-11	8/6/2020	--	--	--	< 0.0203	< 0.0184	< 0.0168	--	< 0.0202	< 0.0179	< 0.0160	--	--	< 0.0158	0.0917 J	< 0.687	0.0678 BJ	< 0.503	--	--	< 0.0137
MW-11	6/9/2021	< 0.10	< 0.051	< 0.10	< 0.051	< 0.10	< 0.051	< 0.051	< 0.051	< 0.10	< 0.10	< 0.20	< 0.10	< 0.051	< 0.10	< 0.10	< 0.20	--	< 0.10	< 0.10	--
MW-11	9/13/2021	< 0.10	< 0.052	< 0.10	< 0.052	< 0.10	< 0.052	< 0.052	< 0.052	< 0.10	< 0.10	< 0.21	< 0.10	< 0.052	< 0.10	< 0.10	< 0.21	--	< 0.10	< 0.10	--
MW-11	12/7/2021	< 0.10	< 0.052	< 0.10	< 0.052	< 0.10	< 0.052	< 0.052	< 0.052	< 0.10	< 0.10	< 0.21	< 0.10	< 0.052	0.38	< 0.10	< 0.21	--	< 0.10	< 0.10	--

Table 3
PAH Groundwater Analytical Data
Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Total Naphthalenes	Phenanthrene	Pyrene	Total Polynuclear Aromatic Hydrocarbons
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS						**0.1**									**160**			**160**			**0.1**
MW-12	2/20/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	4.81	0.897	0.782	6.489	--	--	< 0.0137
MW-12	5/13/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.463	0.328	0.0239 J	0.8149	--	--	< 0.0137
MW-12	8/27/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.257 B	0.235 J	0.0224 J	0.5144	--	--	< 0.0137
MW-12	11/25/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.659	0.244 J	0.0269 J	0.9299	--	--	< 0.0137
MW-12	3/26/2020	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.523	0.190 J	0.0407 J	0.754	--	--	< 0.0137
MW-12	6/2/2020	--	--	--	< 0.0203	< 0.0184	< 0.0168	--	< 0.0202	< 0.0179	< 0.0160	--	--	< 0.0158	0.519	0.138 J	0.0727 J	0.73	--	--	< 0.0137
MW-12	8/6/2020	--	--	--	< 0.0203	< 0.0184	< 0.0168	--	< 0.0202	< 0.0179	< 0.0160	--	--	< 0.0158	< 0.917	< 0.687	< 0.674	< 1.14	--	--	< 0.0137
MW-12	6/9/2021	< 0.10	< 0.051	< 0.10	< 0.051	< 0.10	< 0.051	< 0.051	< 0.051	< 0.10	< 0.10	< 0.20	< 0.10	< 0.051	1.6	0.44	0.59	--	< 0.10	< 0.10	--
MW-12	9/13/2021	< 0.10	< 0.051	< 0.10	< 0.051	< 0.10	< 0.051	< 0.051	< 0.051	< 0.10	< 0.10	< 0.20	< 0.10	< 0.051	< 0.10	< 0.10	< 0.20	--	< 0.10	< 0.10	--
MW-12	12/7/2021	< 0.10	0.11	< 0.10	< 0.050	< 0.10	< 0.050	< 0.050	< 0.050	< 0.10	< 0.10	< 0.20	< 0.10	< 0.050	0.32	< 0.10	< 0.20	--	< 0.10	< 0.10	--

Notes:
PAH = Polycyclic Aromatic Hydrocarbons
Total Carcinogenic PAH (cPAH) value is the sum of all analyzed cPAHs
Total naphthlenes value is the sum of the naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene values
<1.0 = Concentrations were not detected above the laboratory method reporting limit.
ug/L = Micrograms per liter (ppb)
-- = No value given/Not analyzed/Not applicable
MTCA = Model Toxics Control Act
Results in **bold** indicate concentrations in excess of MTCA Method A Cleanup Levels
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
B = The same analyte is found in the associated blank

Table 4
Select VOCs Groundwater Analytical Data
Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		1,3-Butadiene	Chloroform	Ethanol	Hexane	Vinyl Chloride	1,1-Dichloroethene (1,1-DCE)	cis-1,2-Dichloroethene (cis-1,2-DCE)	trans-1,2 dichloroethene	1,1,2-Trichloroethane	Trichloroethene (TCE)	Tetrachloroethene (PCE)
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS						0.2					5	5
Well ID	Date											
GMW-1	8/27/2019	< 0.157	< 0.0860	< 42	6.17	< 0.118	< 0.188	< 0.0933	< 0.152	< 0.186	< 0.153	< 0.199
GMW-1	3/25/2020	< 0.157	< 0.0860	< 42.0 J0	< 0.305	< 0.118	< 0.188	< 0.0933	< 0.152	< 0.186	< 0.153	< 0.199
GMW-1	6/2/2020	< 0.337 J0	< 0.111	< 42.0	< 0.749	< 0.234	< 0.188	< 0.126	< 0.149	< 0.158	< 0.190	< 0.300
GMW-1	3/8/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
GMW-1	6/9/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *+	< 1.0 *+
MW-1	6/3/2020	< 0.337 J0	< 0.111	< 42.0	< 0.749	< 0.234	< 0.188	< 0.126	< 0.149	< 0.158	< 0.190	< 0.300
MW-1	3/8/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-1	6/9/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *+	< 1.0 *+
MW-2	6/3/2020	< 0.337 J0	< 0.111	46.6 J	< 0.749	< 0.234	< 0.188	< 0.126	< 0.149	< 0.158	< 0.190	< 0.300
MW-2	3/8/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-2	6/9/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *+	< 1.0 *+
MW-2	12/7/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-3	3/8/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-3	6/9/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *+	< 1.0 *+
MW-3	9/13/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-3	12/7/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-4	3/8/2021	11	4.0	--	81	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-4	6/9/2021	5.4	< 1.0	--	53	< 1.0 *+	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-4	12/7/2021	3.1	< 1.0	--	41	< 1.0	< 1.0	< 1.0	< 1.0	31	< 1.0	< 1.0
MW-5	3/8/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-6	6/2/2020	< 0.337 J0	< 0.111	< 42.0	< 0.749	< 0.234	< 0.188	< 0.126	< 0.149	< 0.158	< 0.190	< 0.300
MW-6	3/8/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-6	6/9/2021	< 1.0 *1	< 1.0	--	< 3.0	< 1.0 *+	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-6	9/13/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-6	12/7/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-9	8/27/2019	< 0.157	< 0.0860	< 42	< 0.305	< 0.118	< 0.188	< 0.0933	< 0.152	< 0.186	< 0.153	< 0.199
MW-9	11/26/2019	< 0.157	< 0.0860	54.0 J,J4	< 0.305	< 0.118	< 0.188	< 0.0933	< 0.152	< 0.186	< 0.153	< 0.199
MW-9	3/26/2020	< 0.157	< 0.0860	< 42.0 J0	< 0.305	< 0.118	< 0.188	< 0.0933	< 0.152	< 0.186	< 0.153	< 0.199
MW-9	6/2/2020	< 0.337 J0	< 0.111	< 42.0	< 0.749	< 0.234	< 0.188	< 0.126	< 0.149	< 0.158	< 0.190	< 0.300
MW-9	3/8/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-9	6/9/2021	< 1.0	< 1.0	--	< 3.0	< 1.0 *+	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-9	9/13/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-9	12/7/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-11	8/27/2019	< 0.157	< 0.0860	< 42	< 0.305	< 0.118	< 0.188	< 0.0933	< 0.152	< 0.186	< 0.153	< 0.199
MW-11	11/25/2019	< 0.157	< 0.0860	< 42 J4	< 0.305	< 0.118	< 0.188	< 0.0933	< 0.152	< 0.186	< 0.153	< 0.199
MW-11	3/25/2020	< 0.157	< 0.0860	< 42 J0	< 0.305	< 0.118	< 0.188	< 0.0933	< 0.152	< 0.186	< 0.153	< 0.199

Table 4
Select VOCs Groundwater Analytical Data
Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		1,3-Butadiene	Chloroform	Ethanol	Hexane	Vinyl Chloride	1,1-Dichloroethene (1,1-DCE)	cis-1,2-Dichloroethene (cis-1,2-DCE)	trans-1,2 dichloroethene	1,1,2-Trichloroethane	Trichloroethene (TCE)	Tetrachloroethene (PCE)
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS						**0.2**					**5**	**5**
Well ID	**Date**											
MW-11	6/2/2020	< 0.337 J0	< 0.111	< 42.0	< 0.749	< 0.234	< 0.188	< 0.126	< 0.149	< 0.158	< 0.190	< 0.300
MW-11	3/8/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-11	6/9/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *+
MW-11	9/13/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-11	12/7/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-12	8/27/2019	< 0.157	< 0.0860	< 42	< 0.305	< 0.118	< 0.188	< 0.0933	< 0.152	< 0.186	< 0.153	< 0.199
MW-12	11/25/2019	< 0.157	< 0.0860	< 42 J4	1.82 J	< 0.118	< 0.188	< 0.0933	< 0.152	3.39	< 0.153	< 0.199
MW-12	3/26/2020	< 0.157	< 0.0860	< 42.0 J0	1.82 J	< 0.118	< 0.188	< 0.0933	< 0.152	< 0.186	< 0.153	< 0.199
MW-12	6/2/2020	< 0.337 J0	< 0.111	< 42.0	1.54 J	< 0.234	< 0.188	< 0.126	< 0.149	< 0.158	< 0.190	< 0.300
MW-12	3/8/2021	< 1.0 F2	< 1.0 F1F2	--	< 3.0 F2	< 1.0 F2	< 1.0 F1F2	< 1.0 F1F2	< 1.0 F1F2	< 1.0 F1F2	< 1.0 F1F2	< 1.0 F1F2
MW-12	6/9/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *+
MW-12	9/13/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-12	12/7/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Notes:
<1.0 = Concentrations were not detected above the laboratory method reporting limit.
ug/L = Micrograms per liter (ppb)
-- = No value given/Not analyzed/Not applicable
MTCA = Model Toxics Control Act
Results in **bold** indicate concentrations in excess of MTCA Method A Cleanup Levels
J = estimated value – The result is greater than or equal to the Method Detection Limit (MDL) and less than the Limit of Quantitation (LOQ)
J0 = The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration met method criteria
J4 = The associated batch QC was outside the established quality control range for accuracy
*+ = The LCS and/or LCSD is outside acceptance limits, high biased
F1 = MS and/or MSD recovery exceeds control limits
F2 = MS/MSD RPD exceeds control limits

Table 5
Groundwater Analytical Bioparameters
Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		Nitrogen, Nitrite as N	Nitrogen, Nitrate as N	Sulfate	Total Dissolved Solids	Arsenic
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS						**5**
Well ID	Date					
GMW-1	11/29/2022	< 400	860	42,000	150,000	< 5.0
GMW-1	2/27/2023	< 400 HH3	< 200 HH3	29,000	640,000	< 5.0
MW-2	11/29/2022	< 400	13,000	110,000	320,000	< 5.0
MW-2	2/27/2023	< 400 HH3	820 HH3	110,000	240,000	< 5.0
MW-3	11/29/2022	< 400	1,900	36,000	120,000	< 5.0
MW-3	2/27/2023	< 400 HH3	< 200 HH3	26,000	78,000	< 5.0
MW-4	12/12/2022	< 400 HH3	< 200 HH3	300,000	610,000	< 5.0
MW-4	2/27/2023	< 400 HH3	< 200 HH3	170,000	440,000	< 5.0
MW-5	12/12/2022	--	--	--	--	**38**
MW-6	11/29/2022	< 400	1,500	11,000	230,000	< 5.0
MW-6	2/27/2023	< 400 HH3F1	1,300 HH3F1	26,000 F1	110,000	< 5.0
MW-9	11/29/2022	< 400	820	20,000	69,000	< 5.0
MW-11	11/29/2022	< 400	5,500	230,000	800,000	< 5.0
MW-11	2/27/2023	< 2000 HH3	50,000 HH3	550,000	1,100,000	< 5.0
MW-12	11/29/2022	< 400	< 200	260,000	780,000	< 5.0
MW-12	2/27/2023	< 400 HH3	< 200 HH3	20,000	450,000	**8.4**

Notes:
ug/L = Micrograms per liter (ppb)
< = Concentrations were not detected above the laboratory method reporting limit.
-- = No value given/Not analyzed/Not applicable
H - Sample was prepped or analyzed beyond the specified holding time
H3 - Sample was received and analyzed past holding time
F1 = MS and/or MSD recovery exceeds control limits

Table 6
Soil Analytical Data
Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT			B	T	E	X (Total)	MTBE	TPH-G	TPH-D	TPH-O	Lead (Total)	Total cPAHs	Total Naphthalenes
UNIT			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
MTCA METHOD A SOIL			**0.03**	**7**	**6**	**9**	**0.1**	**30/100***	**2000**	**2000**	**250**	**0.1**	**5**
Location ID	Sample Date	Sample Depth											
MW-3	3/23/1992	13	< 0.34	< 0.34	0.11	0.24	--	**43**	< 34	< 100	6.3	--	--
MW-3	3/23/1992	18.5	**0.94**	< 2.9	5.1	8.8	--	**140**	< 29	< 88	2.6	--	--
MW-1	5/6/1993	3	< 0.005	< 0.005	< 0.005	< 0.005	--	< 1	--	--	--	--	--
MW-2	5/7/1993	18	**0.48**	0.7	0.5	1.9	--	**190**	--	--	--	--	--
MW-4	5/7/1993	23	**6.6**	**26**	**11**	**71**	--	**1,200**	--	--	--	--	--
MW-5	5/7/1993	18	< 0.005	0.02	0.036	0.14	--	7	--	--	--	--	--
VE-1**	4/26/1995	10	< 0.63	< 0.63	**24**	**160**	--	**3,500**	--	--	--	--	--
VE-1**	4/26/1995	25	**1.7**	3.4	**8.2**	**40**	--	**1,300**	--	--	--	--	--
MW-6	6/1/1997	15	< 0.025	< 0.025	< 0.025	< 0.025	--	< 5.0	--	--	--	--	--
MW-6	6/1/1997	21	< 0.025	< 0.025	< 0.025	< 0.025	--	< 5.0	--	--	--	--	--
B-1	10/24/2002	4	< 0.020	< 0.05	0.88	3	--	**210**	--	--	--	--	--
B-2	10/24/2002	12	< 0.020	< 0.05	< 0.05	0.59	--	**240**	--	--	--	--	--
B-3	10/24/2002	15	< 0.020	< 0.05	< 0.05	< 0.05	--	< 5.0	--	--	--	--	--
GMW-1	12/21/2007	16	< 0.02	< 0.05	< 0.05	< 0.15	--	< 10	--	--	--	--	--
GMW-1	12/21/2007	21	< 0.02	< 0.05	< 0.05	< 0.15	--	10	--	--	--	--	--
GMW-1	12/21/2007	26	< 0.02	< 0.05	< 0.05	< 0.15	--	< 10	--	--	--	--	--
GMW-1	12/21/2007	36	< 0.02	< 0.05	< 0.05	< 0.15	--	< 10	--	--	--	--	--
MW-9	8/24/2010	13.5	< 0.0031	< 0.0031	< 0.0031	< 0.0094	--	< 6.2	< 19.8	< 79.2	1.9	--	--
MW-9	8/24/2010	21	< 0.0026	< 0.0026	< 0.0026	< 0.0078	--	< 5.2	< 20.5	< 81.9	1.4	--	--
MW-9	8/24/2010	35.5	< 0.0034	< 0.0034	< 0.0034	< 0.00101	--	< 6.2	< 21.5	< 85.9	1.7	--	--
MW-10	1/23/2012	15	< 0.0034	< 0.0034	< 0.0034	< 0.0103	< 0.0034	< 6.3	< 17.9	< 71.6	1.9	--	--
MW-10	1/23/2012	20	< 0.0044	< 0.0044	< 0.0044	< 0.0133	< 0.0044	< 6.7	< 19.3	< 77.1	2.4	--	--
MW-10	1/23/2012	25	< 0.0034	< 0.0034	< 0.0034	< 0.0103	< 0.0034	< 6.7	< 19.2	< 76.8	1.9	--	--
MW-10	1/23/2012	35	< 0.0030	< 0.0030	< 0.0030	< 0.0089	< 0.0030	< 6.1	< 19.0	< 75.8	2.7	--	--

Table 6
Soil Analytical Data
Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT			B	T	E	X (Total)	MTBE	TPH-G	TPH-D	TPH-O	Lead (Total)	Total cPAHs	Total Naphthalenes
UNIT			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
MTCA METHOD A SOIL			**0.03**	**7**	**6**	**9**	**0.1**	**30/100***	**2000**	**2000**	**250**	**0.1**	**5**
SB-1	1/23/2012	15	0.0057	0.0092	0.488	0.135	< 0.0027	**555**	< 17.3	< 69.2	5.3	--	--
SB-1	1/23/2012	25	< 0.0031	< 0.0031	< 0.0031	< 0.0093	< 0.0031	< 6.4	< 19.3	< 77.1	1.6	--	--
SB-1	1/23/2012	35	< 0.0033	< 0.0033	< 0.0033	< 0.0098	< 0.0033	< 6.7	< 19.6	< 78.2	2.2	--	--
SB-1	1/23/2012	40	< 0.0031	< 0.0031	< 0.0031	< 0.0094	< 0.0031	< 6.4	< 19.4	< 77.7	2.2	--	--
SB-2	1/24/2012	20	< 0.0034	< 0.0034	0.848	0.0178	< 0.0034	**1,500**	< 18.1	< 72.2	2.9	--	--
SB-2	1/24/2012	35	< 0.0030	< 0.0030	< 0.0030	< 0.0090	< 0.0030	< 6.5	< 19.0	< 75.8	2.7	--	--
SB-3	1/23/2012	5	0.0088	< 0.0035	0.0071	< 0.0106	< 0.0035	**392**	**2,710**	**9,400**	11.4	--	--
SB-3	1/24/2012	10	< 0.0031	< 0.0031	< 0.0031	< 0.0093	< 0.0031	**111**	68.4	330	11.4	--	--
SB-3	1/24/2012	20	**0.0956**	5.14	**13.2**	**50.8**	< 0.0558	**4,390**	102	< 68.4	4.4	--	--
SB-3	1/24/2012	50	**0.589**	< 0.0035	0.0368	< 0.0105	< 0.0035	< 6.6	< 19.5	< 77.8	4.4	--	--
EW-1	1/25/2012	15	**0.177**	0.53	**9.15**	**11.5**	< 0.0598	**2,160**	59.9	< 70.8	3.9	--	--
EW-1	1/26/2012	25	**2.54**	**12.7**	**10.5**	**51.8**	< 2.66	**3,270**	123	< 71.7	6.7	--	--
EW-1	1/26/2012	30	**0.259**	0.0942	0.0849	1.85	< 0.0031	**97.6**	< 18.8	< 75.4	3.2	--	--
EW-3	1/25/2012	15	< 0.0035	< 0.0035	< 0.0035	< 0.0105	< 0.0035	**30.1**	< 19.0	< 75.9	6.6	--	--
EW-3	1/25/2012	20	**0.069**	0.0923	0.232	0.699	< 0.0031	**621**	29.7	< 64.5	2.9	--	--
EW-3	1/25/2012	30	0.0201	0.0101	0.0113	0.036	< 0.0031	< 6.8	< 18.7	< 74.8	3.2	--	--
SB-4	1/25/2012	15	< 0.0031	< 0.0031	< 0.0031	< 0.0092	< 0.0031	**109**	< 17.0	< 68.2	3	--	--
SB-4	1/25/2012	20	< 0.0029	< 0.0029	< 0.0029	< 0.0086	< 0.0029	5.7	< 16.8	< 67.1	2.5	--	--
SB-4	1/25/2012	35	< 0.0029	< 0.0029	< 0.0029	< 0.0087	< 0.0029	< 6.5	< 19.6	< 78.4	4.5	--	--
EW-2	1/26/2012	10	0.0042	0.0054	0.0055	0.031	< 0.0030	**38.1**	< 19.6	< 78.4	8.3	--	--
EW-2	1/26/2012	15	**0.129**	0.0142	2.01	0.103	< 0.0027	**2,270**	25.5	< 73.9	5.1	--	--
EW-2	1/26/2012	30	0.005	< 0.0027	< 0.0027	< 0.0081	< 0.0027	9.8	< 19.0	< 76.0	3.3	--	--
AS-1	8/1/2013	15	< 0.0039	< 0.0039	< 0.0039	< 0.0117	--	< 5.9	< 16.2	< 64.8	--	0.02073	--
AS-1	8/1/2013	20	< 0.0227	< 0.0568	0.767	0.881	--	**989**	167	< 59.1	--	0.0189	--
AS-1	8/1/2013	25	< 0.0031	< 0.0031	0.0038	< 0.0093	--	< 5.7	< 14.9	< 59.7	--	0.019	--
AS-1	8/1/2013	27.5	< 0.005	< 0.0042	< 0.0042	< 0.0126	--	< 6.2	< 16.3	< 65	--	0.0207	--
VE-2	8/1/2013	10	< 0.0042	< 0.0042	< 0.0042	< 0.0127	--	< 6.6	< 16.7	< 66.7	--	--	--
VE-2	8/1/2013	13.5	0.0036	< 0.0034	< 0.0034	< 0.0102	--	8.3	< 15.6	< 62.8	--	--	--
AS-4	6/11/2014	15	0.0073	< 0.0011	0.0017 J	< 0.0011	--	< 1.6	< 3.6	< 12	--	--	--

Table 6
Soil Analytical Data
Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT			B	T	E	X (Total)	MTBE	TPH-G	TPH-D	TPH-O	Lead (Total)	Total cPAHs	Total Naphthalenes
UNIT			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
MTCA METHOD A SOIL			**0.03**	**7**	**6**	**9**	**0.1**	**30/100***	**2000**	**2000**	**250**	**0.1**	**5**
AS-5	6/11/2014	25	**0.62**	0.19 J	0.12 J	0.46	--	18	30	43	--	--	0.176
AS-6	6/11/2014	25	**0.34**	0.46	0.54	2.2	--	**130**	< 3.8	< 13	--	--	0.1
AS-2	6/13/2014	20	0.0012 J	0.0027 J	0.031	0.0094	--	16	< 3.5	< 12	--	0.00058 J	0.0053
AS-3	6/13/2014	10	--	--	--	--	--	2.9 J	7.3 J	39	--	**0.7451**	--
AS-3	6/13/2014	15	< 0.027	< 0.054	< 0.054	0.33	--	7	17	< 11	--	0.01836	--
AS-3	6/13/2014	20	**0.085 J**	2.1	**8.3**	**33**	--	**1,800**	8.1	< 11	--	0.00055	--
AS-3	6/13/2014	25	**0.63 J**	**21**	**19**	**84**	--	**3,700**	5.6 J	< 12	--	0.00862	--
VE-4	6/13/2014	10	< 0.026	0.061 J	0.14 J	0.98	--	**440**	520	290	--	**0.1846**	--
MW-11	10/19/2018	22.5	< 0.000471	0.0015	0.00118	< 0.00563	< 0.000347	1.37	< 1.57	< 3.92	0.462	0.0005	0.00354
MW-11	10/19/2018	30	< 0.000500	0.00178	0.000696	< 0.00597	< 0.000369	1.62	1.67	< 4.16	1.28	0.0006	0.00375
MW-12	10/19/2018	17.5	< 0.000443	0.023	0.00183	0.00787	< 0.000327	**54.2**	< 1.46	< 3.65	1.03	0.0005	0.003285
MW-12	10/19/2018	22.5	< 0.000456	< 0.00142	0.0502	0.0314	< 0.000336	**106**	13.8	< 3.79	1.42	0.0005	0.1033
MW-12	10/19/2018	25	< 0.000462	< 0.00144	0.00412	< 0.00552	< 0.000341	3.06	< 1.54	< 3.85	1.47	0.0005	0.00468
MW-12	10/19/2018	32.5	< 0.000500	< 0.00156	0.000733	< 0.00597	< 0.000368	3.67	< 1.66	< 4.16	1.39	0.0006	0.00375
SB-6(F)	7/20/2022	20	< 0.02	< 0.10	< 0.05	< 0.15	--	< 10	< 50	< 250	--	--	--
SB-6(F)	7/20/2022	25	< 0.02	< 0.10	< 0.05	< 0.15	--	< 10	< 50	< 250	--	--	--
SB-6(F)	7/20/2022	30	< 0.02	< 0.10	< 0.05	< 0.15	--	< 10	< 50	< 250	--	--	--
SB-1(F)	10/18/2022	20	< 0.02	< 0.10	< 0.05	< 0.15	--	< 10	< 50	< 250	--	--	--
SB-1(F)	10/18/2022	25	< 0.02	< 0.10	< 0.05	< 0.15	--	< 10	< 50	< 250	--	--	--
SB-1(F)	10/18/2022	30	< 0.02	< 0.10	< 0.05	< 0.15	--	< 10	< 50	< 250	--	--	--
SB-2(F)	10/18/2022	20	< 0.02	< 0.10	< 0.05	< 0.15	--	< 10	< 50	< 250	--	--	--
SB-2(F)	10/18/2022	25	< 0.02	< 0.10	< 0.05	< 0.15	--	< 10	< 50	< 250	--	--	--
SB-2(F)	10/18/2022	30	< 0.02	< 0.10	< 0.05	< 0.15	--	< 10	< 50	< 250	--	--	--
SB-3(F)	10/19/2022	20	< 0.02	< 0.10	< 0.05	< 0.15	--	< 10	< 50	< 250	--	--	--
SB-3(F)	10/19/2022	25	< 0.02	< 0.10	< 0.05	< 0.15	--	< 10	< 50	< 250	--	--	--
SB-3(F)	10/19/2022	30	< 0.02	< 0.10	< 0.05	< 0.15	--	< 10	< 50	< 250	--	--	--
SB-4(F)	10/19/2022	20	< 0.02	< 0.10	< 0.05	< 0.15	--	< 10	< 50	< 250	--	--	--
SB-4(F)	10/19/2022	25	< 0.02	< 0.10	< 0.05	< 0.15	--	< 10	< 50	< 250	--	--	--

Table 6
Soil Analytical Data
Former ARCO Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT			B	T	E	X (Total)	MTBE	TPH-G	TPH-D	TPH-O	Lead (Total)	Total cPAHs	Total Naphthalenes
UNIT			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
MTCA METHOD A SOIL			**0.03**	**7**	**6**	**9**	**0.1**	**30/100***	**2000**	**2000**	**250**	**0.1**	**5**
SB-4(F)	10/19/2022	30	< 0.02	< 0.10	< 0.05	< 0.15	--	< 10	< 50	< 250	--	--	--
SB-5(F)	10/19/2022	20	< 0.02	< 0.10	< 0.05	< 0.15	--	< 10	< 50	< 250	--	--	--
SB-5(F)	10/19/2022	25	< 0.02	< 0.10	< 0.05	< 0.15	--	< 10	< 50	< 250	--	--	--
SB-5(F)	10/19/2022	30	< 0.02	< 0.10	< 0.05	< 0.15	--	< 10	< 50	< 250	--	--	--

Notes:
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes, Total
MTBE = Methyl-tertiary-butyl ether
TPH-G = Total petroleum hydrocarbons as gasoline by Northwest Method NWTPH-Gx
TPH-D = Total petroleum hydrocarbons as diesel by Northwest Method NWTPH-Dx
TPH-O = Total petroleum hydrocarbons as oil by Northwest Method NWTPH-Dx
Total cPAH value is the sum of all analyzed cPAHs
Total naphthlenes value is the sum of the naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene values
30/100* - The cleanup level is 100 when there is not benzene present on site
<1.0 = Concentrations were not detected above the laboratory report detection limit.
mg/kg = Micrograms per kilograms
-- = No value given/Not analyzed/Not applicable
MTCA = Model Toxics Control Act
Results in **bold** indicate concentrations in excess of MTCA Method A Cleanup Levels
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
SB-X(F) = Phase II environmental assessment conducted at Franciscan property located at 4550 Fauntleroy Way SW

VE-1** = Formerly known as VW-1. VW-1 was installed in April 1995. The name was changed in April 1998 to VE-1. Referenced from the Arcadis 11/19/2010 Soil Vapor Extraction Pilot Test Workplan.

Figures

USGS Topographic Map 1:24000
Duwamish Head, WA 2017

N

0 500 1,000 2,000 3,000 4,000 Feet

FIGURE 1

SITE LOCATION MAP
FORMER ARCO FACILITY NO. 11060
4580 FAUNTLEROY WAY SW
SEATTLE, WA

PROJECT NO.	PREPARED BY	REF SCALE	
WA - 11060 SEATTLE	*SAA*	*1:24,000*	
DATE	REVIEWED BY	MAP SCALE	
2/15/2021	*JS*	*1 INCH = 2,000 FEET*	

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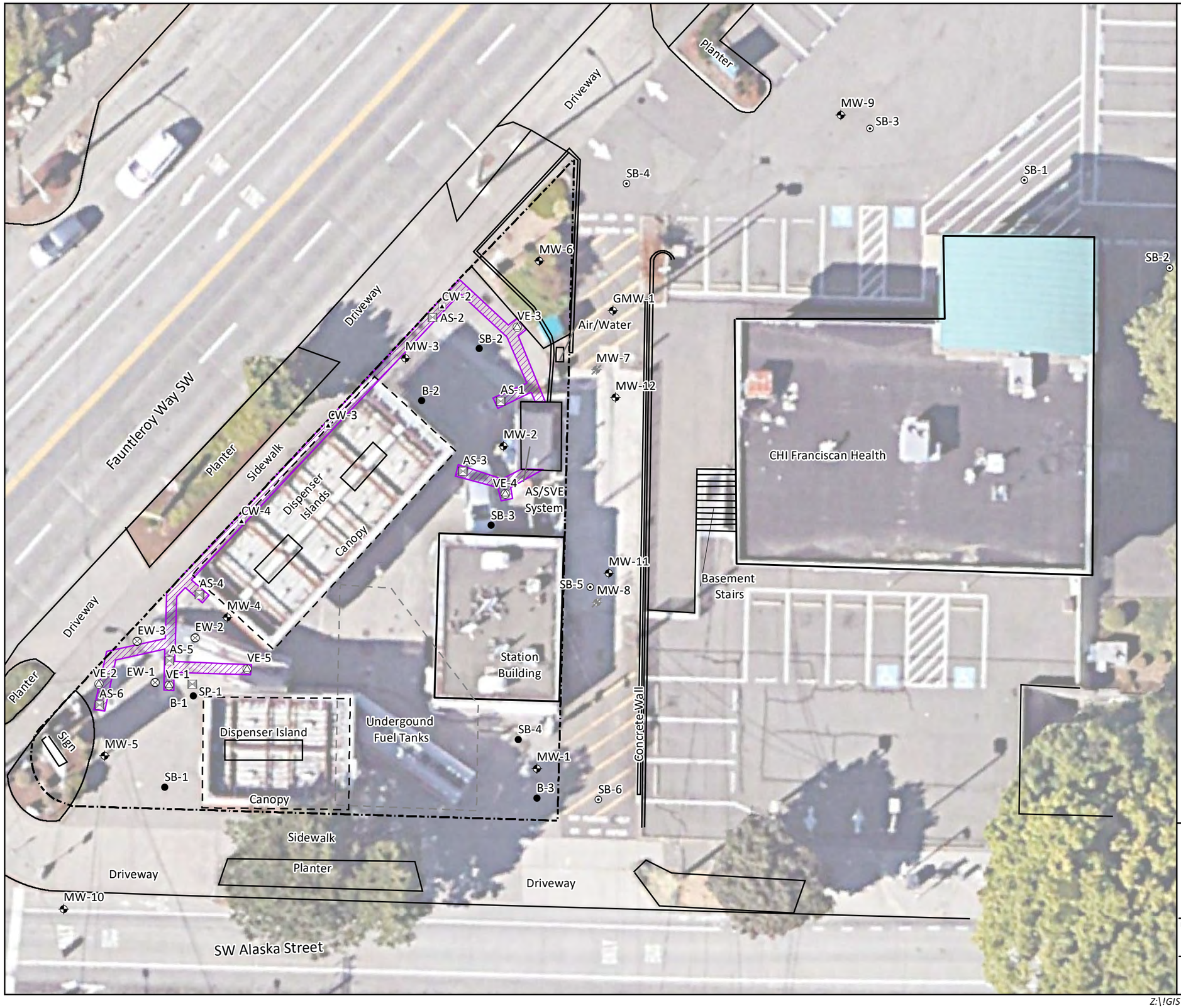
\\gis-s3\GIS_Data\Sandbox\!Projects\A-E\BP_WA\11060 Seattle\Project Number\Layout\11060 Site Location Map.mxd



Legend

- Air Sparge
- Vapor Extraction Well
- Combination Air Sparge and Vapor Extraction Well
- Extraction Well
- Monitoring Well
- Abandoned Monitoring Well
- Soil Boring
- Soil Boring (2023 Franciscan Phase II Assessment)
- Approximate Property Boundary
- Trench Location

0 5 10 15 20 40 60 Feet

N

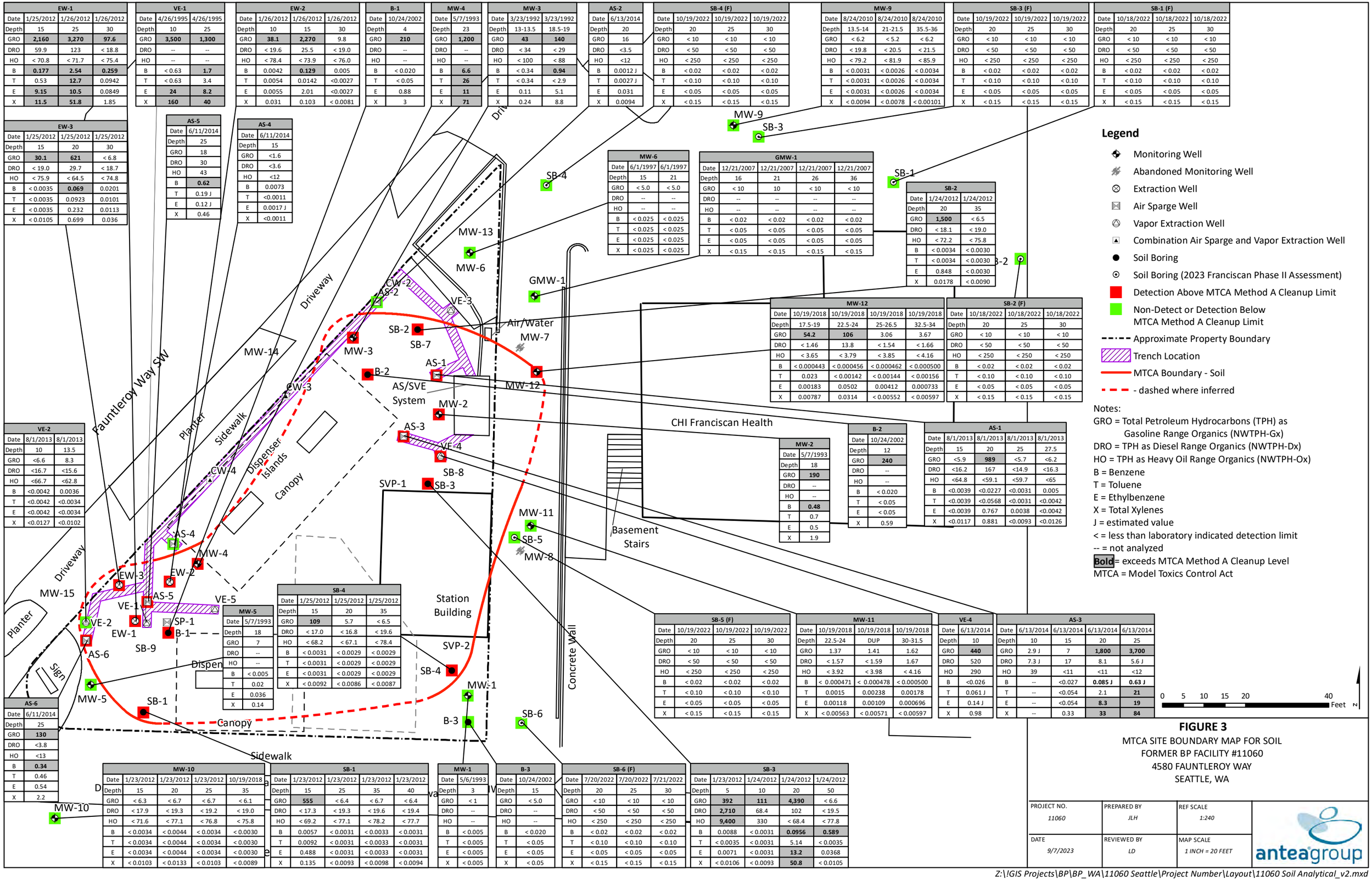
FIGURE 2

SITE AERIAL MAP
FORMER ARCO FACILITY #11060
4580 FAUNTLEROY WAY
SEATTLE, WA

PROJECT NO.	PREPARED BY	REF SCALE
11060	SAA	1:240
DATE	REVIEWED BY	MAP SCALE
6/2/2023	JS	1 INCH = 20 FEET

anteagroup

Z:\!GIS Projects\BP\BP_WA\11060 Seattle\Project Number\Layout\11060 Aerial Site Map.mxd



EW-1			
Date	1/25/2012	1/26/2012	1/26/2012
Depth	15	25	30
GRO	**2,160**	**3,270**	**97.6**
DRO	59.9	123	< 18.8
HO	< 70.8	< 71.7	< 75.4
B	**0.177**	**2.54**	**0.259**
T	0.53	**12.7**	0.0942
E	**9.15**	**10.5**	0.0849
X	**11.5**	**51.8**	1.85

VE-1		
Date	4/26/1995	4/26/1995
Depth	10	25
GRO	**3,500**	**1,300**
DRO	--	--
HO	--	--
B	< 0.63	**1.7**
T	< 0.63	3.4
E	**24**	**8.2**
X	**160**	**40**

EW-2			
Date	1/26/2012	1/26/2012	1/26/2012
Depth	10	15	30
GRO	**38.1**	**2,270**	9.8
DRO	< 19.6	25.5	< 19.0
HO	< 78.4	< 73.9	< 76.0
B	0.0042	**0.129**	0.005
T	0.0054	0.0142	<0.0027
E	0.0055	2.01	<0.0027
X	0.031	0.103	< 0.0081

B-1		
Date	10/24/2002	
Depth	4	
GRO	**210**	
DRO	--	
HO	--	
B	< 0.020	
T	< 0.05	
E	0.88	
X	3	

MW-4		
Date	5/7/1993	
Depth	23	
GRO	**1,200**	
DRO	--	
HO	--	
B	**6.6**	
T	**26**	
E	**11**	
X	**71**	

MW-3		
Date	3/23/1992	3/23/1992
Depth	13-13.5	18.5-19
GRO	**43**	**140**
DRO	< 34	< 29
HO	< 100	< 88
B	< 0.34	**0.94**
T	< 0.34	< 2.9
E	0.11	5.1
X	0.24	8.8

AS-2		
Date	6/13/2014	
Depth	20	
GRO	16	
DRO	<3.5	
HO	<12	
B	0.0012 J	
T	0.0027 J	
E	0.031	
X	0.0094	

SB-4 (F)			
Date	10/19/2022	10/19/2022	10/19/2022
Depth	20	25	30
GRO	< 10	< 10	< 10
DRO	< 50	< 50	< 50
HO	< 250	< 250	< 250
B	< 0.02	< 0.02	< 0.02
T	< 0.10	< 0.10	< 0.10
E	< 0.05	< 0.05	< 0.05
X	< 0.15	< 0.15	< 0.15

MW-9			
Date	8/24/2010	8/24/2010	8/24/2010
Depth	13.5-14	21-21.5	35.5-36
GRO	< 6.2	< 5.2	< 6.2
DRO	< 19.8	< 20.5	< 21.5
HO	< 79.2	< 81.9	< 85.9
B	< 0.0031	< 0.0026	< 0.0034
T	< 0.0031	< 0.0026	< 0.0034
E	< 0.0031	< 0.0026	< 0.0034
X	< 0.0094	< 0.0078	< 0.00101

SB-3 (F)			
Date	10/19/2022	10/19/2022	10/19/2022
Depth	20	25	30
GRO	< 10	< 10	< 10
DRO	< 50	< 50	< 50
HO	< 250	< 250	< 250
B	< 0.02	< 0.02	< 0.02
T	< 0.10	< 0.10	< 0.10
E	< 0.05	< 0.05	< 0.05
X	< 0.15	< 0.15	< 0.15

SB-1 (F)			
Date	10/18/2022	10/18/2022	10/18/2022
Depth	20	25	30
GRO	< 10	< 10	< 10
DRO	< 50	< 50	< 50
HO	< 250	< 250	< 250
B	< 0.02	< 0.02	< 0.02
T	< 0.10	< 0.10	< 0.10
E	< 0.05	< 0.05	< 0.05
X	< 0.15	< 0.15	< 0.15

EW-3			
Date	1/25/2012	1/25/2012	1/25/2012
Depth	15	20	30
GRO	**30.1**	**621**	< 6.8
DRO	< 19.0	29.7	< 18.7
HO	< 75.9	< 64.5	< 74.8
B	< 0.0035	**0.069**	0.0201
T	< 0.0035	0.0923	0.0101
E	< 0.0035	0.232	0.0113
X	< 0.0105	0.699	0.036

AS-5	
Date	6/11/2014
Depth	25
GRO	18
DRO	30
HO	43
B	**0.62**
T	0.19 J
E	0.12 J
X	0.46

AS-4	
Date	6/11/2014
Depth	15
GRO	<1.6
DRO	<3.6
HO	<12
B	0.0073
T	<0.0011
E	0.0017 J
X	<0.0011

MW-6		
Date	6/1/1997	6/1/1997
Depth	15	21
GRO	< 5.0	< 5.0
DRO	--	--
HO	--	--
B	< 0.025	< 0.025
T	< 0.025	< 0.025
E	< 0.025	< 0.025
X	< 0.025	< 0.025

GMW-1				
Date	12/21/2007	12/21/2007	12/21/2007	12/21/2007
Depth	16	21	26	36
GRO	< 10	10	< 10	< 10
DRO	--	--	--	--
HO	--	--	--	--
B	< 0.02	< 0.02	< 0.02	< 0.02
T	< 0.05	< 0.05	< 0.05	< 0.05
E	< 0.05	< 0.05	< 0.05	< 0.05
X	< 0.15	< 0.15	< 0.15	< 0.15

SB-2		
Date	1/24/2012	1/24/2012
Depth	20	35
GRO	**1,500**	< 6.5
DRO	< 18.1	< 19.0
HO	< 72.2	< 75.8
B	< 0.0034	< 0.0030
T	< 0.0034	< 0.0030
E	0.848	< 0.0030
X	0.0178	< 0.0090

MW-12				
Date	10/19/2018	10/19/2018	10/19/2018	10/19/2018
Depth	17.5-19	22.5-24	25-26.5	32.5-34
GRO	**54.2**	**106**	3.06	3.67
DRO	< 1.46	13.8	< 1.54	< 1.66
HO	< 3.65	< 3.79	< 3.85	< 4.16
B	< 0.000443	< 0.000456	< 0.000462	< 0.000500
T	0.023	< 0.00142	< 0.00144	< 0.00156
E	0.00183	0.0502	0.00412	0.000733
X	0.00787	0.0314	< 0.00552	< 0.00597

SB-2 (F)			
Date	10/18/2022	10/18/2022	10/18/2022
Depth	20	25	30
GRO	< 10	< 10	< 10
DRO	< 50	< 50	< 50
HO	< 250	< 250	< 250
B	< 0.02	< 0.02	< 0.02
T	< 0.10	< 0.10	< 0.10
E	< 0.05	< 0.05	< 0.05
X	< 0.15	< 0.15	< 0.15

VE-2		
Date	8/1/2013	8/1/2013
Depth	10	13.5
GRO	<6.6	8.3
DRO	<16.7	<15.6
HO	<66.7	<62.8
B	<0.0042	0.0036
T	<0.0042	<0.0034
E	<0.0042	<0.0034
X	<0.0127	<0.0102

MW-5	
Date	5/7/1993
Depth	18
GRO	7
DRO	--
HO	--
B	< 0.005
T	0.02
E	0.036
X	0.14

SB-4			
Date	1/25/2012	1/25/2012	1/25/2012
Depth	15	20	35
GRO	**109**	5.7	< 6.5
DRO	< 17.0	< 16.8	< 19.6
HO	< 68.2	< 67.1	< 78.4
B	< 0.0031	< 0.0029	< 0.0029
T	< 0.0031	< 0.0029	< 0.0029
E	< 0.0031	< 0.0029	< 0.0029
X	< 0.0092	< 0.0086	< 0.0087

AS-6	
Date	6/11/2014
Depth	25
GRO	**130**
DRO	<3.8
HO	<13
B	**0.34**
T	0.46
E	0.54
X	2.2

MW-10				
Date	1/23/2012	1/23/2012	1/23/2012	10/19/2018
Depth	15	20	25	35
GRO	< 6.3	< 6.7	< 6.7	< 6.1
DRO	< 17.9	< 19.3	< 19.2	< 19.0
HO	< 71.6	< 77.1	< 76.8	< 75.8
B	< 0.0034	< 0.0044	< 0.0034	< 0.0030
T	< 0.0034	< 0.0044	< 0.0034	< 0.0030
E	< 0.0034	< 0.0044	< 0.0034	< 0.0030
X	< 0.0103	< 0.0133	< 0.0103	< 0.0089

SB-1				
Date	1/23/2012	1/23/2012	1/23/2012	1/23/2012
Depth	15	25	35	40
GRO	**555**	< 6.4	< 6.7	< 6.4
DRO	< 17.3	< 19.3	< 19.6	< 19.4
HO	< 69.2	< 77.1	< 78.2	< 77.7
B	0.0057	< 0.0031	< 0.0033	< 0.0031
T	0.0092	< 0.0031	< 0.0033	< 0.0031
E	0.488	< 0.0031	< 0.0033	< 0.0031
X	0.135	< 0.0093	< 0.0098	< 0.0094

MW-1		
Date	5/6/1993	
Depth	3	
GRO	< 1	
DRO	--	
HO	--	
B	< 0.005	
T	< 0.005	
E	< 0.005	
X	< 0.005	

B-3		
Date	10/24/2002	
Depth	15	
GRO	< 5.0	
DRO	--	
HO	--	
B	< 0.020	
T	< 0.05	
E	< 0.05	
X	< 0.05	

SB-6 (F)			
Date	7/20/2022	7/20/2022	7/21/2022
Depth	20	25	30
GRO	< 10	< 10	< 10
DRO	< 50	< 50	< 50
HO	< 250	< 250	< 250
B	< 0.02	< 0.02	< 0.02
T	< 0.10	< 0.10	< 0.10
E	< 0.05	< 0.05	< 0.05
X	< 0.15	< 0.15	< 0.15

SB-3				
Date	1/23/2012	1/24/2012	1/24/2012	1/24/2012
Depth	5	10	20	50
GRO	**392**	**111**	**4,390**	< 6.6
DRO	**2,710**	68.4	102	< 19.5
HO	**9,400**	330	< 68.4	< 77.8
B	0.0088	< 0.0031	**0.0956**	**0.589**
T	< 0.0035	< 0.0031	5.14	< 0.0035
E	0.0071	< 0.0031	**13.2**	0.0368
X	< 0.0106	< 0.0093	**50.8**	< 0.0105

MW-2	
Date	5/7/1993
Depth	18
GRO	**190**
DRO	--
HO	--
B	**0.48**
T	0.7
E	0.5
X	1.9

B-2	
Date	10/24/2002
Depth	12
GRO	**240**
DRO	--
HO	--
B	< 0.020
T	< 0.05
E	< 0.05
X	0.59

AS-1				
Date	8/1/2013	8/1/2013	8/1/2013	8/1/2013
Depth	15	20	25	27.5
GRO	<5.9	**989**	<5.7	<6.2
DRO	<16.2	167	<14.9	<16.3
HO	<64.8	<59.1	<59.7	<65
B	<0.0039	<0.0227	<0.0031	0.005
T	<0.0039	<0.0568	<0.0031	<0.0042
E	<0.0039	0.767	0.0038	<0.0042
X	<0.0117	0.881	<0.0093	<0.0126

SB-5 (F)			
Date	10/19/2022	10/19/2022	10/19/2022
Depth	20	25	30
GRO	< 10	< 10	< 10
DRO	< 50	< 50	< 50
HO	< 250	< 250	< 250
B	< 0.02	< 0.02	< 0.02
T	< 0.10	< 0.10	< 0.10
E	< 0.05	< 0.05	< 0.05
X	< 0.15	< 0.15	< 0.15

MW-11			
Date	10/19/2018	10/19/2018	10/19/2018
Depth	22.5-24	DUP	30-31.5
GRO	1.37	1.41	1.62
DRO	< 1.57	< 1.59	1.67
HO	< 3.92	< 3.98	< 4.16
B	< 0.000471	< 0.000478	< 0.000500
T	0.0015	0.00238	0.00178
E	0.00118	0.00109	0.000696
X	< 0.00563	< 0.00571	< 0.00597

VE-4	
Date	6/13/2014
Depth	10
GRO	**440**
DRO	520
HO	290
B	<0.026
T	0.061 J
E	0.14 J
X	0.98

AS-3				
Date	6/13/2014	6/13/2014	6/13/2014	6/13/2014
Depth	10	15	20	25
GRO	2.9 J	7	**1,800**	**3,700**
DRO	7.3 J	17	8.1	5.6 J
HO	39	<11	<11	<12
B	--	<0.027	**0.085 J**	**0.63 J**
T	--	<0.054	2.1	**21**
E	--	<0.054	**8.3**	**19**
X	--	0.33	**33**	**84**

Legend

- Monitoring Well
- Abandoned Monitoring Well
- Extraction Well
- Air Sparge Well
- Vapor Extraction Well
- Combination Air Sparge and Vapor Extraction Well
- Soil Boring
- Soil Boring (2023 Franciscan Phase II Assessment)
- Detection Above MTCA Method A Cleanup Limit
- Non-Detect or Detection Below MTCA Method A Cleanup Limit
- Approximate Property Boundary
- Trench Location
- MTCA Boundary - Soil
- - dashed where inferred

Notes:
GRO = Total Petroleum Hydrocarbons (TPH) as Gasoline Range Organics (NWTPH-Gx)
DRO = TPH as Diesel Range Organics (NWTPH-Dx)
HO = TPH as Heavy Oil Range Organics (NWTPH-Ox)
B = Benzene
T = Toluene
E = Ethylbenzene
X = Total Xylenes
J = estimated value
< = less than laboratory indicated detection limit
-- = not analyzed
Bold = exceeds MTCA Method A Cleanup Level
MTCA = Model Toxics Control Act

0 5 10 15 20 40 Feet

FIGURE 3

MTCA SITE BOUNDARY MAP FOR SOIL
FORMER BP FACILITY #11060
4580 FAUNTLEROY WAY
SEATTLE, WA

PROJECT NO.	PREPARED BY	REF SCALE
11060	JLH	1:240
DATE	REVIEWED BY	MAP SCALE
9/7/2023	LD	1 INCH = 20 FEET

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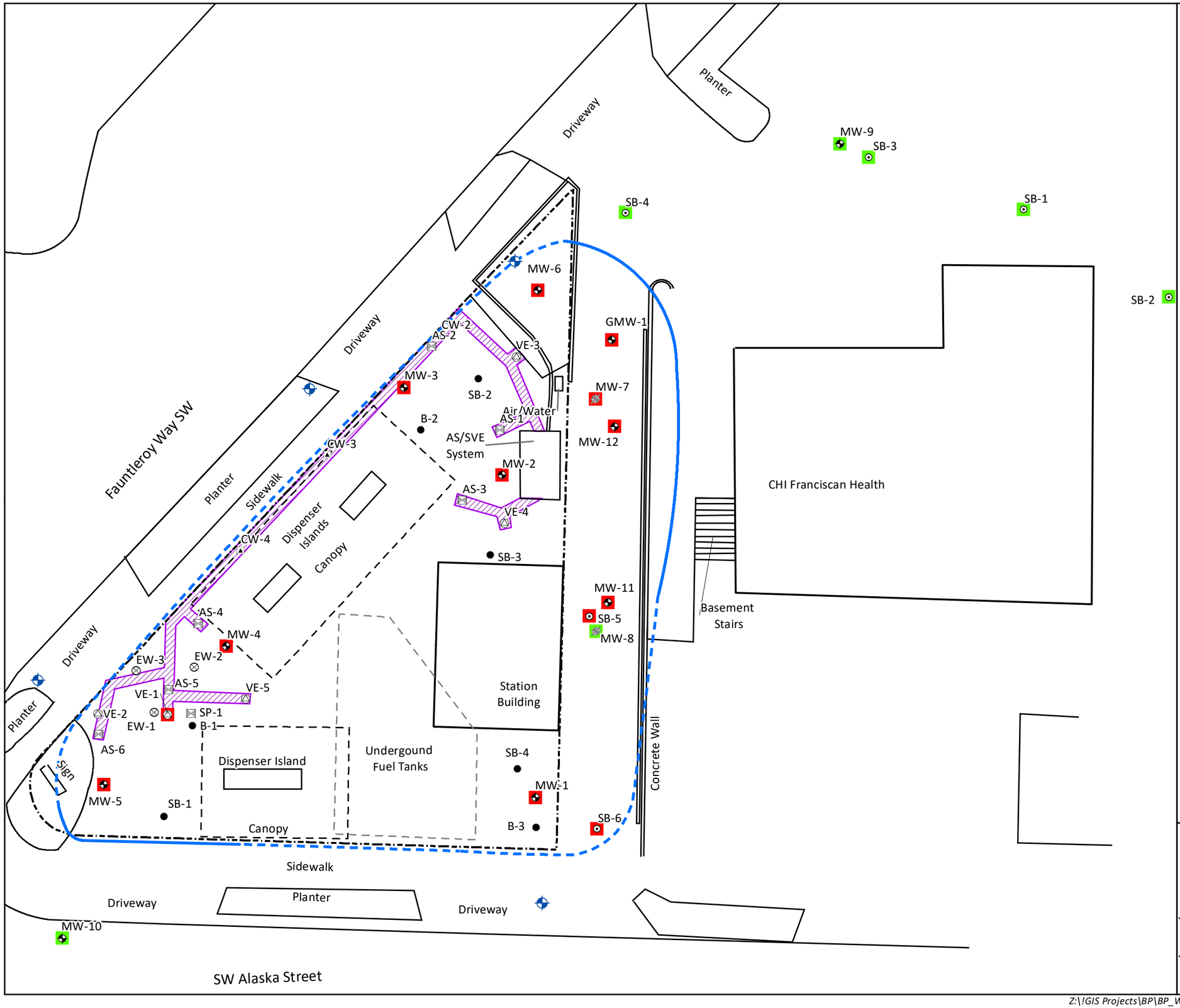
Z:\!GIS Projects\BP\BP_WA\11060 Seattle\Project Number\Layout\11060 Soil Analytical_v2.mxd



Legend

- Monitoring Well
- Abandoned Monitoring Well
- Extraction Well
- Air Sparge Well
- Vapor Extraction Well
- Combination Air Sparge and Vapor Extraction Well
- Soil Boring
- Soil Boring (2023 Franciscan Phase II Assessment)
- Detection Above MTCA Method A Cleanup Limit
- Non-Dectect or Detection Below MTCA Method A Cleanup Limit
- Approximate Property Boundary
- Trench Location
- MTCA Boundary - Historical Groundwater
- - dashed where inferred
- Proposed Monitoring Well Location

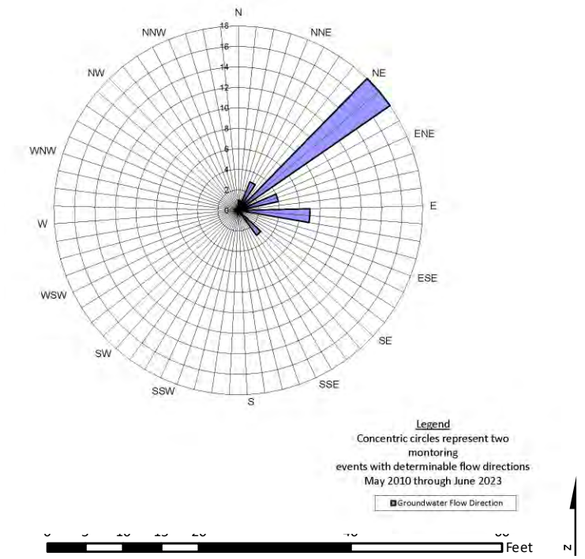


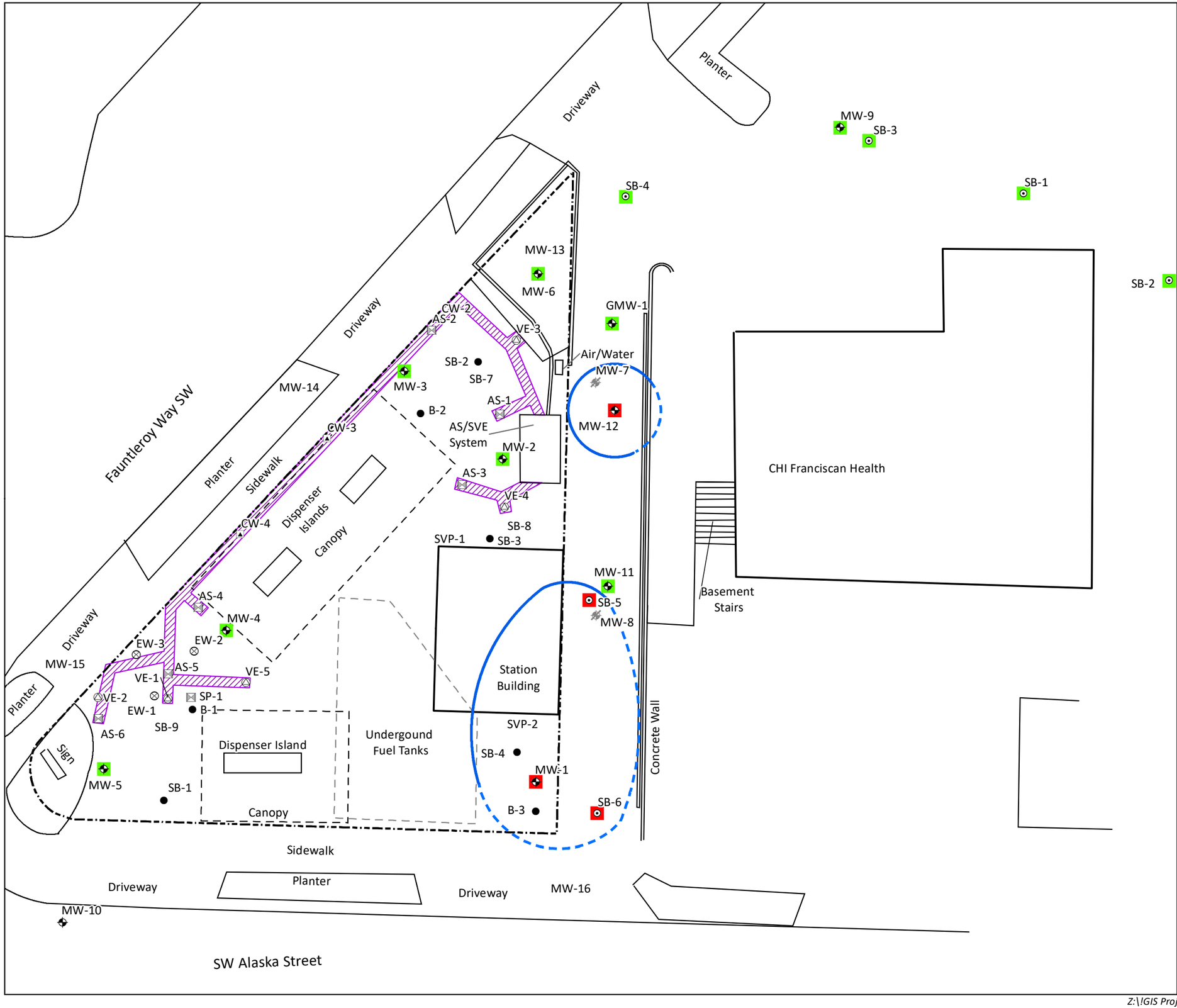
FIGURE 4

MTCA SITE BOUNDARY MAP - HISTORICAL GROUNDWATER
FORMER ARCO FACILITY #11060
4580 FAUNTLEROY WAY
SEATTLE, WA

PROJECT NO.	PREPARED BY	REF SCALE
11060	JLH	1:240
DATE	REVIEWED BY	MAP SCALE
7/26/2023	MG	1 INCH = 20 FEET

antea group

Z:\!GIS Projects\BP\BP_WA\11060 Seattle\Project Number\Layout\11060 MTCA Boundary-HistoricalGW_v2.mxd



Legend

- Monitoring Well
- Abandoned Monitoring Well
- Extraction Well
- Air Sparge Well
- Vapor Extraction Well
- Combination Air Sparge and Vapor Extraction Well
- Soil Boring
- Soil Boring (2023 Franciscan Phase II Assessment)
- Detection Above MTCA Method A Cleanup Limit
- Non-Detect or Detection Below MTCA Method A Cleanup Limit
- Approximate Property Boundary
- Trench Location
- MTCA Boundary - Groundwater
- -dashed where inferred

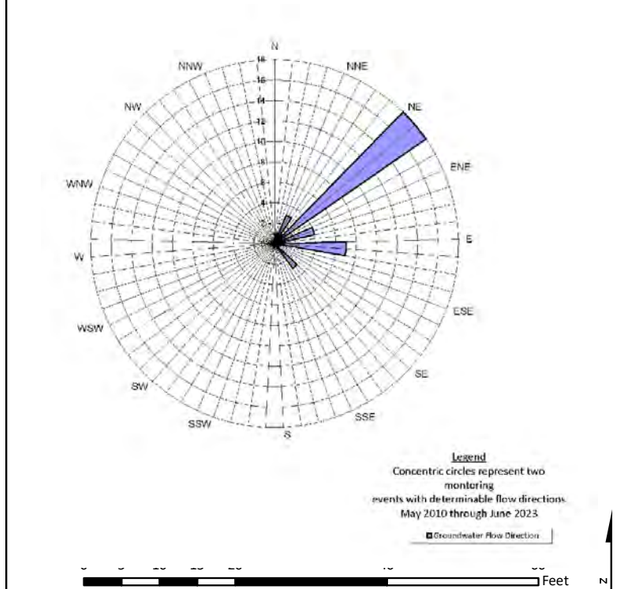


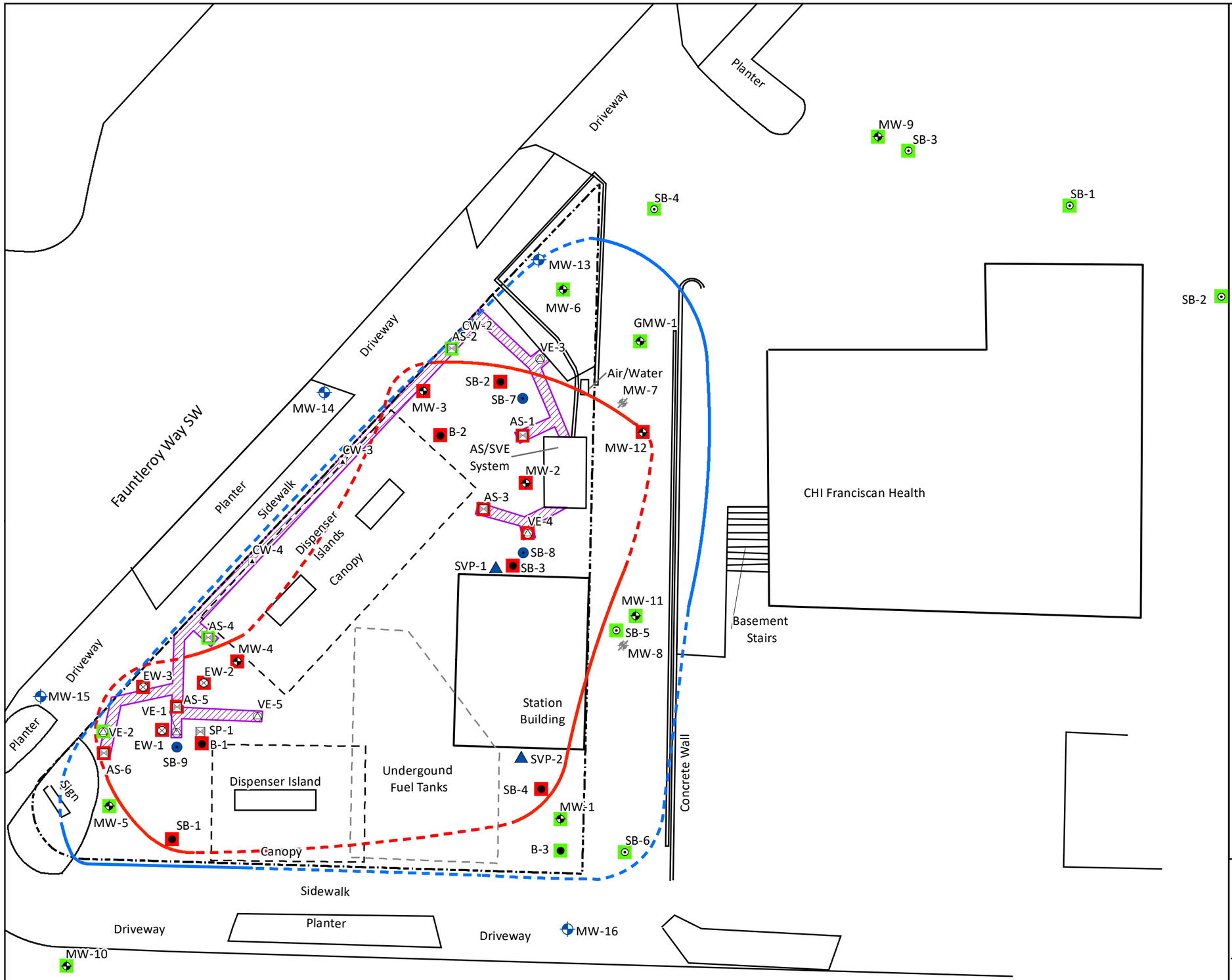
FIGURE 5

MTCA SITE BOUNDARY MAP - CURRENT GROUNDWATER (MAY 2023)
FORMER BP FACILITY #11060
4580 FAUNTLEROY WAY
SEATTLE, WA

PROJECT NO.	PREPARED BY	REF SCALE
11060	JLH	1:240
DATE	REVIEWED BY	MAP SCALE
9/8/2023	MG	1 INCH = 20 FEET

antea group

Z:\!GIS Projects\BP\BP_WA\11060 Seattle\Project Number\Layout\11060 MTCA Boundary-GW.mxd



Legend

- Monitoring Well
- Abandoned Monitoring Well
- Extraction Well
- Air Sparge Well
- Vapor Extraction Well
- Combination Air Sparge and Vapor Extraction Well
- Soil Boring
- Soil Boring (2023 Franciscan Phase II Assessment)
- Detection Above MTCA Method A Cleanup Limit
- Non-Detect or Detection Below MTCA Method A Cleanup Limit
- Approximate Property Boundary
- Trench Location
- MTCA Boundary - Soil
- - dashed where inferred
- MTCA Boundary - Historical Groundwater
- - dashed where inferred
- Proposed Soil Boring Location
- Proposed Soil Vapor Point Location
- Proposed Monitoring Well Location

Notes:

MTCA = Model Toxics Control Act

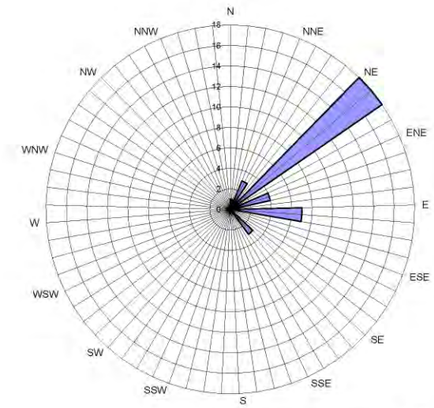


FIGURE 6

PROPOSED SOIL BORING, SOIL VAPOR POINT, AND
MONITORING WELL LOCATION MAP
FORMER ARCO FACILITY #11060
4580 FAUNTLEROY WAY
SEATTLE, WA

PROJECT NO.	PREPARED BY	REF SCALE
11060	*JLH*	*1:240*
DATE	**REVIEWED BY**	**MAP SCALE**
8/8/2023	*LD*	*1 INCH = 20 FEET*

antea group

Z:\!GIS Projects\BP\BP_WA\11060 Seattle\Project Number\Layout\11060 Soil Analytical_Proposed2.mxd

Appendix A - Select Boring Logs

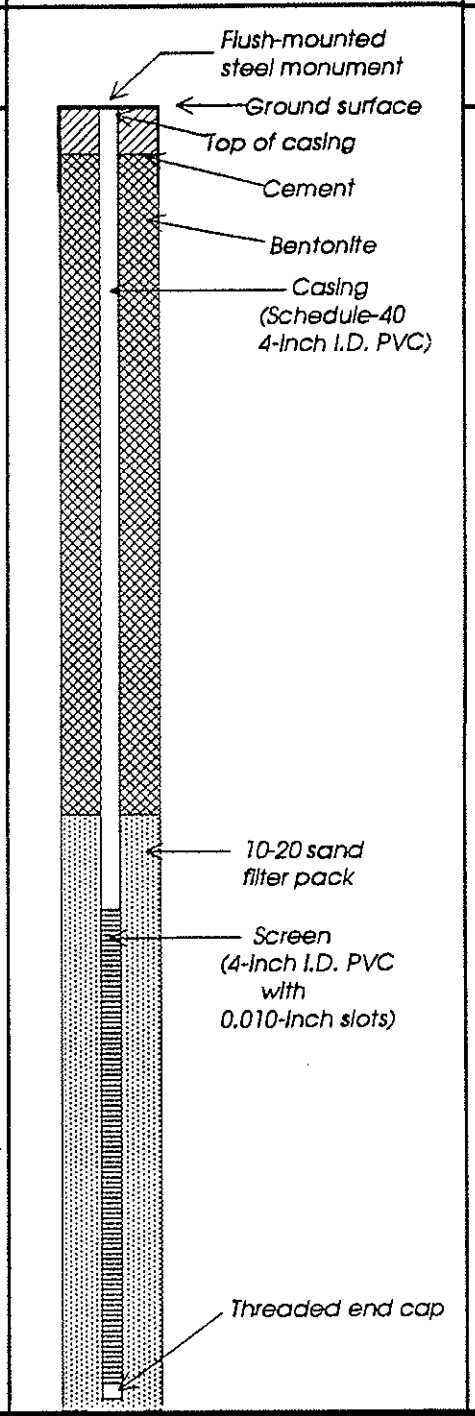
PROJECT: *BP Fauntleroy* W.O. *W-8783-1* WELL NO. *B-1/MW-1*

Elevation reference: Well completed: *06 May 1993*
Ground surface elevation: Casing elevation: *99.31 feet*

Page 1 of 1

DEPTH (feet)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	BLOW COUNTS	OVM READING	GROUND WATER
0	*Concrete over very moist, gray, very fine sandy SILT with some gravel*					
		X	S-1	5		
5						
	Loose, moist, gray, SILT with some gravel and very fine sand		S-2	5	0	
10						
	Loose, moist, red, SAND with some silt and trace of gravel		S-3	8	0	
15	*Medium dense, moist, gray, fine to medium SAND with trace silt and gravel*		S-4	24	0	
20	*Medium dense to slightly dense, wet, gray to mottled limonite brown orange, fine SAND with trace silt interbedded with SAND with some silt*		S-5	19	0	ATD
25	*Medium dense to slightly dense, saturated, gray to mottled, very fine SAND with trace silt*		S-6	25	2	
	Bottom of boring at 27.5 feet.					
30						

AS-BUILT DESIGN



TESTING

LEGEND

- 2-Inch O.D. split-spoon sample
- Sample not recovered
- ATD — Observed groundwater level, ATD = at time of drilling

RZA AGRA, Inc.
Geotechnical & Environmental Group

11335 NE 122nd Way, Suite 100
Kirkland, Washington 98034-6918

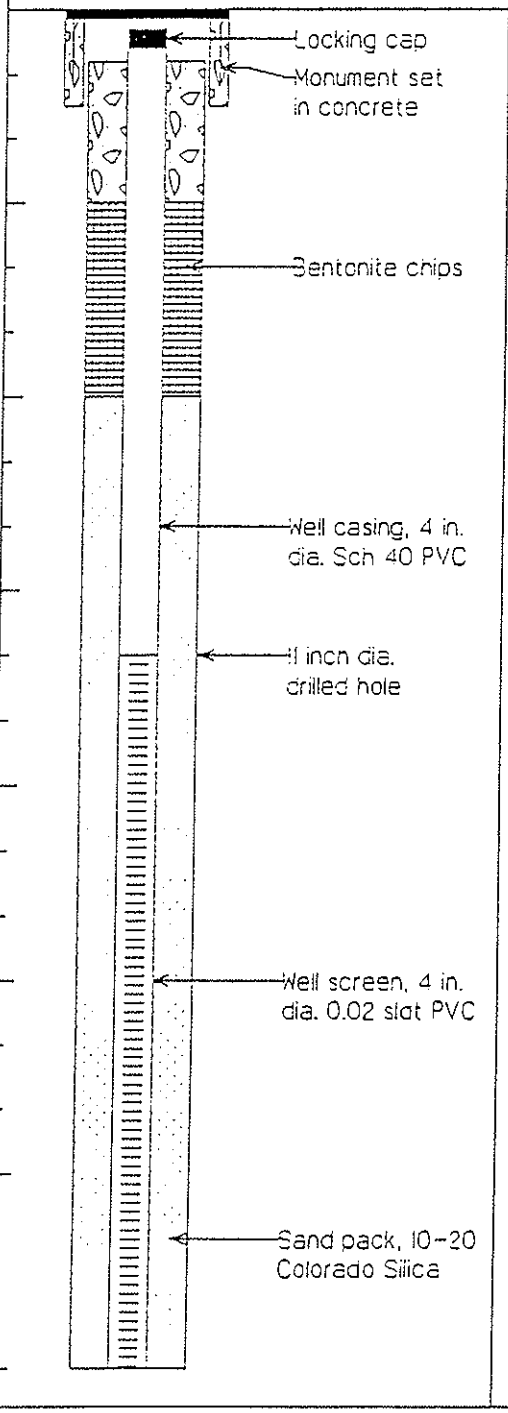
Drilling started: *06 May 1993* Drilling completed: *06 May 1993* Logged by: *JC*

PROJECT NAME: BP OIL SERVICE STATION NO. 11060
PROJECT NO: WA209.10

LOG OF MW-3
Page 1 of 2

CLIENT NAME: BP OIL COMPANY
PROJECT LOCATION: SEATTLE, WASHINGTON
DATE STARTED: 23-MARCH-92
DATE COMPLETED: 23-MARCH-92
LOGGED BY: M.L. MESCHKE
CHECKED BY: J. SADLER

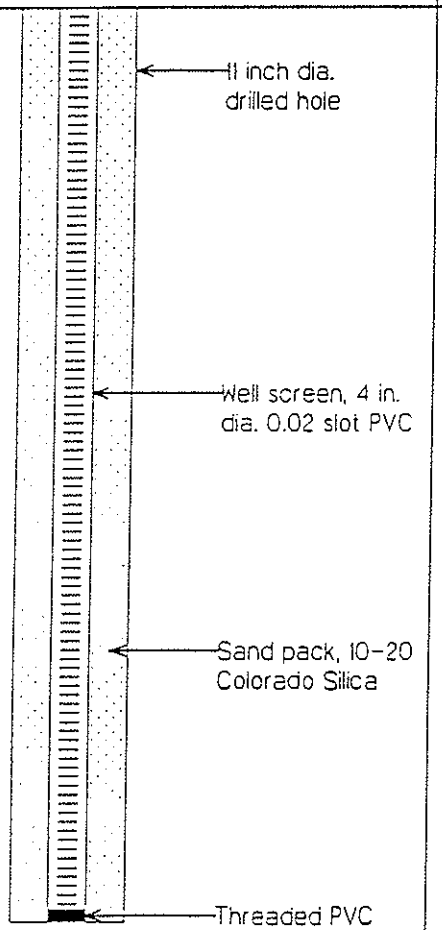
SURFACE ELEV: NA
TOP OF CASING ELEV: NA
DRILL COMPANY: HOLT TESTING
DRILLER: CLYDE
DRILL METHOD: HOLLOW STEM AUGER
SAMPLING METHOD: SPLIT SPOON



DEPTH (feet)	BLOWS PER SIX IN.	SAMPLES AND GRAPHIC LOG	MATERIALS DESCRIPTION
			CONCRETE
			WELL GRADED SAND with Gravel (SW) - Brown, moist, sand (65%), fine to coarse gravel, no hydrocarbon odor, (FILL).
3			
			POORLY GRADED GRAVEL (GP) - Grey, moist, fine gravel, no hydocarbon odor, (FILL).
			As above, clay with fine gravel, no hydrocarbon odor.
6			
	1		SILTY CLAY (CL) - Grey, moist, soft, clay (greater than 80%), no hydrocarbon odor. (PID = 2 ppm).
	1		
	3		
9			
12			
	1		POORLY GRADED SAND (SP) - Grey, very moist, fine-grained sand, hydrocarbon odor. (PID = 7 ppm).
	1		
	2		
	1		SILTY CLAY (CL) - Black, moist, 70% clay, 30% silt, low plasticity, hydrocarbon odor. (PID = 7 ppm).
	1		
15	5		SILTY SAND (SM) - Grey, wet, loose, fine-grained sand (60%), silt and clay (40%), slight plasticity, slight hydrocarbon odor.
	5		Same as above, loose, less clay. (PID = 157 ppm).
18	6		
	10		
21			

PROJECT NAME: BP OIL SERVICE STATION NO. 11060
PROJECT NO: WA209.10

LOG OF MW-3



DEPTH (feet)	BLOWS PER SIX IN.	MATERIALS DESCRIPTION
	5	SILTY SAND (SM) - Grey, very moist, medium dense,
	7	fine-grained sand (60%), silt and clay (40%),
	12	slight plasticity, hydrocarbon odor. (PID = 19 ppm).
24		
27		
	15	SILT (ML) - Grey-green, very moist, very stiff,
	17	silt, occassional sand, no hydrocarbon odor.
	20	(PID = 30 ppm).
	13	
	15	Same as above, wet, no hydrocarbon odor.
30	19	(PID = 12 ppm).
	11	Same as above, very moist. (PID = 2 ppm).
33	16	
	20	
		Borehole terminated at 32.5 feet below land surface (bls). Sampling terminated at 34 feet bls. Drilled out bridging sand to 35 feet bls. Ground water encountered during drilling at 13.8 feet bls.
36		
		Note: Blow counts taken using a 2.5 inch diameter split-spoon sampler driven with 300-pound hammer free falling 30 inches.
39		
		Blow counts are recorded for evaluating relative soil density only, and should not be construed as appropriate for construction or structural design purposes.
42		
45		

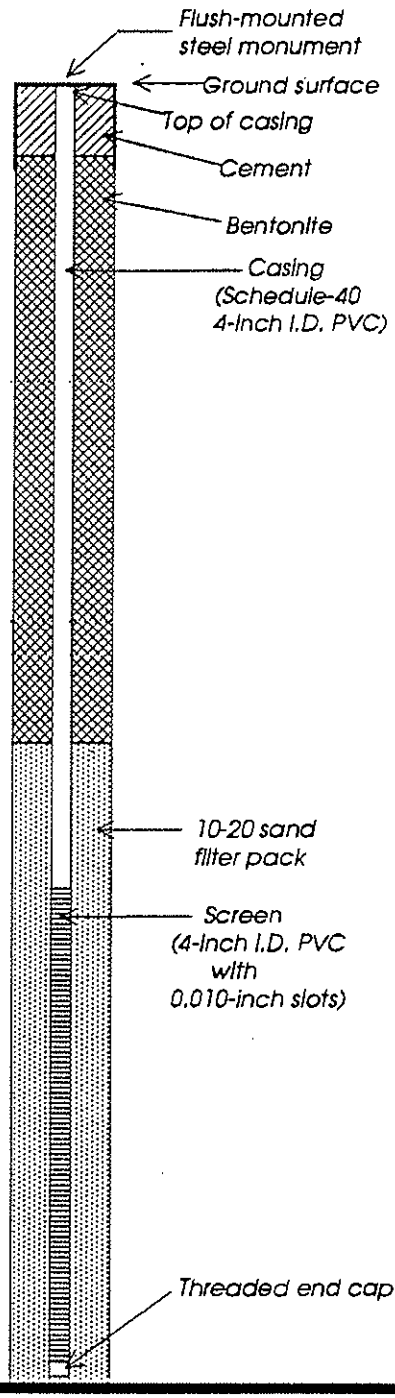
PROJECT: *BP Fauntleroy* W.O. *W-8783-1* WELL NO. *B-3/MW-4*

Elevation reference: Well completed: *07 May 1993*
Ground surface elevation: Casing elevation: *99.77 feet*

AS-BUILT DESIGN

Page 1 of 1

DEPTH (feet)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	BLOW COUNTS	OVM READING	GROUND WATER
0	*Concrete over moist, gray, SAND with some silt and gravel and wood fragments*					
	Medium dense, moist, gray, clayey SILT with varying sand		S-1	8	375	
5						
	Same as above with sand pockets		S-2	7	16	
10			S-3	6		
15						
	Very dense, moist, brown-gray, fine to medium SAND with trace to some silt and trcae gravel		S-4	82	852	
20						
	Dense, saturated, gray mottled redish brown, medium SAND grading in to and interbedded with brown, sandy SILT		S-5	35	618	ATD
25						
	Dense, saturated, gray stained orange in fine layers, very fine SAND with trace silt		S-6	31	111	
30	*Bottom of boring at 27.5 feet.*					



TESTING

LEGEND

2-inch O.D. split-spoon sample

Sample not recovered

RZA AGRA, Inc.
Geotechnical & Environmental Group

11335 NE 122nd Way, Suite 100
Kirkland, Washington 98034-6918

Drilling started: *07 May 1993* Drilling completed: *07 May 1993* Logged by: *JC*

ALISTO ENGINEERING GROUP
SEATTLE, WASHINGTON

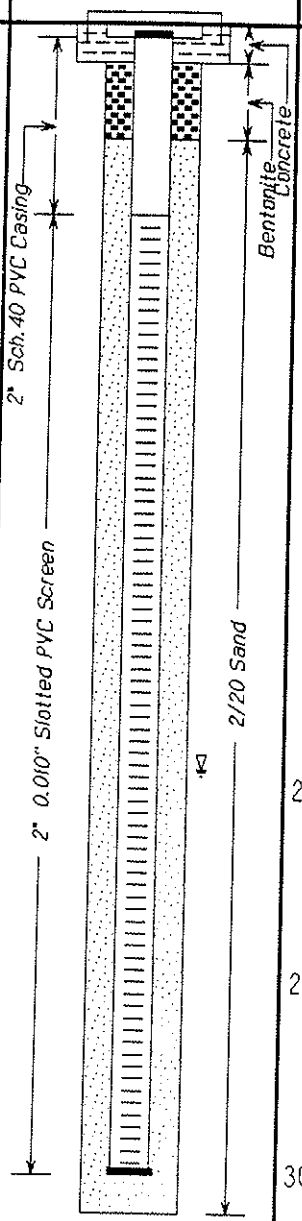
LOG OF WELL MW-6

SEE SITE PLAN

ALISTO PROJECT NO: 20-007-03 DATE DRILLED: 06/17/97
CLIENT: BP Oil Company, Station No. 11060
LOCATION: 4580 Fauntleroy Way S.W., Seattle, Washington
DRILLING METHOD: Hollow-stem Auger (8"); Split spoon
DRILLING COMPANY: Cascade Drilling CASING ELEVATION: 98.62
LOGGED BY: John King APPROVED BY: Al Sevilla

BLOWS/6 IN.	PID VALUES	DEPTH feet	SOIL CLASS	GEOLOGIC DESCRIPTION
			SM	silty SAND: gray-brown, dry, non plastic; medium-grained, organic rich.
			CL	silty CLAY: gray-brown, moist, medium plasticity.
8,9,9	3.2 3.4	5		
12,15,17	3.7 4.1	10	SP	clayey silty gravelly SAND: moist, low plasticity; poorly sorted, 3-4 cm thick lenses present. Relative amounts of sand, gravel, and silt change in lenses. Gravel is well-rounded and up to 2 cm in diameter. Perched water at 14 feet.
50/6"	9.4 4.4	15	CL	silty sandy gravelly CLAY: green-gray, dry, medium plasticity; 5% gravel, 3% sand and 20% silt. Gravel and sand are well-rounded.
50/6"	5.7 9.5	20	SP	silty gravelly SAND: medium gray, wet, non plastic; 5% well-rounded gravel, 10% silt. Medium- to coarse-grained sand.
50/6"	10.3 10.5	25		Same.
50/6"		30		Same.
				Boring terminated at 31 feet.

WELL DIAGRAM



Date Start/Finish: 8/1/2013
Drilling Company: Cascade Drilling
Driller's Name:
Drilling Method: Hollow Stem Auger
Auger Size: 8" Outer Diameter
Rig Type:
Sampling Method: Split Spoon

Northing:
Easting:
Casing Elevation: NE

Borehole Depth: 31.5' bgs
Surface Elevation:

Descriptions By: RB

Well/Boring ID: **AS-1**

Client: BP West Coast Products LLC

Location: Former ARCO 11060, Shell Station, 4580 Fauntleroy Way South West Seattle, WA

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blow Counts	N-Value	PID Headspace (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0										Concrete	Concrete; 8" Flush-mount Monument; 2" Well Cap
		HA	2.5-3	.5			0.4		SC		Clayey Sand, fine to medium, poorly sorted, medium plasticity, brown, loose, moist	
5	-5	HA	5-5.5	.5			0.3		SC		Same as above	
		1	7.5-9	1.5	2 3 4	7	1.0		SC		Same as above with a color change to grey at 8.5' bgs	
10	-10	2	10-11.5	1.5	1 2 2	4	1.4		SC		Same as above, very loose	
		3	12.5-14	1.5	1 2 2	4	65.7		SP		Sand lens, fine to medium, no plasticity, grey	Neat Cement; 2" Schedule 80 PVC Riser; First Encountered Groundwater
									SC		Sand, fine to medium with clay, poorly sorted, medium plasticiy, brown, slight HCLO	
15	-15	4	15-16.5	1.5	5 6 6	12	10.2		SC		Same as above	
									SM		Silty Sand, fine to medium, subrounded with a little clay, low plasticiy, medium density, wet	
		5	17.5-19	1.5	8 10 10	20	1,365		SM		Same as above with Strong HCLO	

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Remarks:
ft bgs = feet below ground surface
NM = Not Measured
ppm = parts per million
NE = Not Established
HA = Hand Auger
HCLO = Hydrocarbon-like Odor

Date Start/Finish: 8/1/2013
Drilling Company: Cascade Drilling
Driller's Name:
Drilling Method: Hollow Stem Auger
Auger Size: 8" Outer Diameter
Rig Type:
Sampling Method: Split Spoon

Northing:
Easting:
Casing Elevation: NE

Borehole Depth: 31.5' bgs
Surface Elevation:

Descriptions By: RB

Well/Boring ID: **AS-1**

Client: BP West Coast Products LLC

Location: Former ARCO 11060, Shell Station, 4580 Fauntleroy Way South West Seattle, WA

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blow Counts	N-Value	PID Headspace (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
20	-20	6	20-21.5	1.5	8 10 8	18	1,310		SM		Same as above	
		7	22.5-24	1.5	8 10 10	20	1,093		SM		Similar to above with decreasing clay and silt, color change from blue/grey to brown/grey	
25	-25	8	25-26.5	1.5	10 12 12	24	82.8		SM		Same as above, no HCLO, granite cobble encountered	
		9	27.5-29	1.5	7 9 6	15	56.1		ML		Silt with fine subangular sand, low plasticity	
30	-30	10	30-31.5	1.5	7 9 11	20	87.4		ML		Same as above	

Coated Bentonite Pellets
2/12 Silica Sand
0.020" Schedule 80 PVC Screen
Schedule 80 PVC Sump

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Remarks:
ft bgs = feet below ground surface
NM = Not Measured
ppm = parts per million
NE = Not Established
HA = Hand Auger
HCLO = Hydrocarbon-like Odor

Date Start/Finish: 6/9/2014 - 6/10/2014 - 6/11/2014
Drilling Company: Cascade Drilling
Driller's Name: Curtis Askew
Drilling Method: Hollow Stem Auger
Auger Size: 8" Outer Diameter
Rig Type:
Sampling Method: HA/SS

Northing: NE
Easting: NE
Casing Elevation: NE

Borehole Depth: 29 feet bgs
Surface Elevation: NE

Descriptions By: Ryan Brauchla

Well/Boring ID: **AS-6**

Client: BP West Coast Products, LLC.

Location: Former ARCO 11060, Shell Station,
4580 Fauntleroy Way SW
Seattle, WA 98116

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blow Counts	N - Value	PID Headspace (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0										Concrete	Concrete
											Boring cleared to a depth of 6.5 ft bgs with air-knife and vacuum truck	2" Well Cap
												2/12 Silica Sand
5	-5	1	HA	0.5			0.1		CL		CLAY (CL): low to medium plasticity clay with trace poorly-sorted medium sand, greyish-brown, very dense, damp	
10	-10	2	SS	1.5	7 8 9	17	13.3		CL		CLAY (CL): low plasticity clay and silt with trace fine sand, blue-grey, medium density, moist, woody debris present	Neat Cement
												2" Schedule 80 PVC Riser
15	-15	3	SS	1.5	10 12 12	24	1,607		SM		Silty SAND (SM): well-sorted fine to medium sand with nonplastic silt and trace coarse rounded gravel, grey, medium density, wet, HCLO	First Encountered Groundwater

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Remarks:
bgs = below ground surface
HA = Hand Auger
NE = Not Established
PID = Photoionization Detector
ppm = parts per million
HCLO = Hydrocarbon-like Odor
SS = Split Spoon sample, 2" x 1.5'
PVC = Polyvinyl Chloride

Traffic rate well vault to be installed at later date

Project Number:GP09BPNAWA48
Data File:
Template:
Date: 8/21/2014
Created/Edited by:RB

Date Start/Finish: 6/9/2014 - 6/10/2014 - 6/11/2014
Drilling Company: Cascade Drilling
Driller's Name: Curtis Askew
Drilling Method: Hollow Stem Auger
Auger Size: 8" Outer Diameter
Rig Type:
Sampling Method: HA/SS

Northing: NE
Easting: NE
Casing Elevation: NE

Borehole Depth: 29 feet bgs
Surface Elevation: NE

Descriptions By: Ryan Brauchla

Well/Boring ID: **AS-6**

Client: BP West Coast Products, LLC.

Location: Former ARCO 11060, Shell Station,
4580 Fauntleroy Way SW
Seattle, WA 98116

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blow Counts	N - Value	PID Headspace (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
20	-20	4	SS	1.0	15 24 20	44	895.7		SM		Silty SAND (SM): well-sorted fine to medium sand with little nonplastic silt, brown, dense, wet, HCLO	Coated Bentonite Pellets
		5	SS	1.5	23 24 27	51	1,383		SM		Silty SAND (SM): well-sorted fine to medium sand with nonplastic silt, brown, dense, wet, HCLO	20/40 Silica Sand
									CL		CLAY lens @ 23.5 ft bgs	
									SW		SAND with gravel (SW): well-sorted medium sand with little coarse rounded gravel, brown-grey, dense, dry, HCLO	0.020" Schedule 80 PVC Screen
25	-25	6	SS	1.5	19 24 17	41	1,495		ML		Sandy SILT (ML): nonplastic silt with fine sand, brownish-grey, dense, wet, HCLO	Schedule 80 PVC Sump
		7	SS	1.5	27 30 31	61	69.6		ML		Sandy SILT (ML): nonplastic silt with fine sand, brownish-grey, dense, wet, HCLO	2/12 Silica Sand

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Remarks:
bgs = below ground surface
HA = Hand Auger
NE = Not Established
PID = Photoionization Detector
ppm = parts per million
HCLO = Hydrocarbon-like Odor
SS = Split Spoon sample, 2" x 1.5'
PVC = Polyvinyl Chloride

Traffic rate well vault to be installed at later date

Date Start/Finish: 6/9/2014 - 6/13/2014
Drilling Company: Cascade Drilling
Driller's Name: Curtis Askew
Drilling Method: Hollow Stem Auger
Auger Size: 10" Outer Diameter
Rig Type:
Sampling Method: HA/SS

Northing: NE
Easting: NE
Casing Elevation: NE

Borehole Depth: 16.5 feet bgs
Surface Elevation: NE

Descriptions By: Ryan Brauchla

Well/Boring ID: VE-4

Client: BP West Coast Products, LLC.

Location: Former ARCO 11060, Shell Station,
4580 Fauntleroy Way SW
Seattle, WA 98116

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blow Counts	N - Value	PID Headspace (ppm)	Analytical Sample	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0										Concrete	Jet Set Concrete Seal
											Construction backfill with fragments of concrete and tile was observed to a depth of 3 feet bgs	2/12 Silica Sand
												4" Well Cap
											Boring cleared to a depth of 6.5 feet bgs with air-knife and vacuum truck	Bentonite Chips
												4" Schedule 40 PVC Riser
5	-5	1	HA	0.5			0.0		CL		CLAY (CL): low to medium plasticity clay with some poorly-sorted fine to medium sand, brown, dense, damp	
												2/12 Silica Sand
10	-10	2	SS	1.0	7 10 10	20	119.9		CL		CLAY with gravel (CL): low to medium plasticity clay with coarse rounded gravel, brown, medium density, damp	0.020" Schedule 40 PVC Screen
15	-15	3	SS	0	50/6"	>50					No recovery	
		4	SS	0	50/6"	>50					No recovery	

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Remarks:
bgs = below ground surface
HA = Hand Auger
NE = Not Established
PID = Photoionization Detector
ppm = parts per million
HCLO = Hydrocarbon-like Odor
SS = Split Spoon sample, 2" x 1.5'
PVC = Polyvinyl Chloride

Traffic rate well vault to be installed at later date

Project Number:GP09BPNAWA48
Data File:
Template:
Date: 8/21/2014
Created/Edited by:RB

Date Start/Finish: 1/25/2012-1/26/2012
Drilling Company: Cascade Drilling Inc.
Driller's Name: James
Drilling Method: Hollow Stem Auger
Auger Size: 12"
Rig Type: Hollow Stem Auger
Sampling Method: Sleeve

Northing: NM
Easting: NM
Casing Elevation: NM

Borehole Depth: 31.5 ft.
Surface Elevation: NM

Descriptions By: Samuel Miles

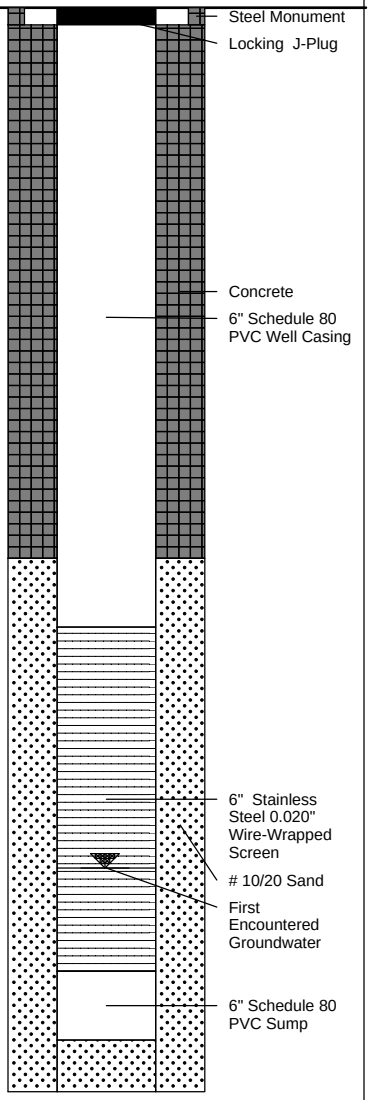
Well/Boring ID: **EW-1**

Client: BP West Coast Products LLC

Location: 4580 Fauntleroy Way SW
Seattle, WA

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blow Counts	N - Value	PID Headspace (ppm)	Geologic Column	Stratigraphic Description
0	0								Concrete
									Silty sand, fine to medium sand, low plasticity, brown, no HCLO.
5	-5		5.0-6.0	5.0-6.0	AK	D	8.7		
10	-10		10.0-11.5	10.0-11.5	8 6 8	D	8.1		Sandy silt, fine to medium sand, medium plasticity, grey/brown, no HCLO.
15	-15		15.0-16.5	15.0-16.5	20 20 26	D	>800		Fine to medium sand with trace gravel and silt, low plasticity, grey, HCLO.
20	-20		20.0-21.5	20.0-21.5	20/6 50/6	M	>800		
25	-25		25.0-26.5	25.0-26.5	21/20	W	>500		Silty sand, fine to medium sand, non plastic,grey/brown, HCLO.
30	-30		30.0-31.5	30.0-31.5	21 16 18	W	>400		Silty sand, fine to medium sand, non plastic,grey/brown, HCLO.
									End of boring @ 31.5'

Well/Boring Construction



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Remarks:
D = Dry
HCLO = Hydrocarbon-like Odor
M = Moist
NM = Not Measured
OD = Outer Diameter
Analytical Samples:
EW-1-15'
EW-1-30'

ft. = feet
LNAPL= Light Non-Aqueous Phase Liquid
NA = Not Applicable/Avalible
NR = No Recovery
W = Wet

EW-1-25'

Project: GP09BPNAWA48 K0000
Data File:

Template:
Date: 12/19/2012 SWM

Date Start/Finish: 1/23/2012-1/24/2012
Drilling Company: Cascade Drilling Inc.
Driller's Name: James
Drilling Method: Hollow Stem Auger
Auger Size: 12"
Rig Type: Hollow Stem Auger
Sampling Method: Sleeve

Northing: NM
Easting: NM
Casing Elevation: NM

Borehole Depth: 31.5 ft.
Surface Elevation: NM

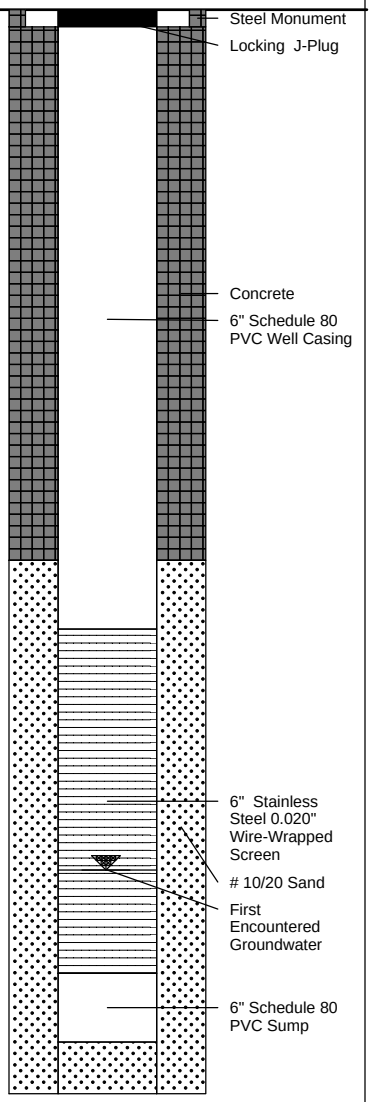
Descriptions By: Samuel Miles

Well/Boring ID: **EW-2**

Client: BP West Coast Products LLC

Location: 4580 Fauntleroy Way SW
Seattle, WA

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blow Counts	N - Value	PID Headspace (ppm)	Geologic Column	Stratigraphic Description
0	0								Concrete
									Silty sand, fine to medium sand, low plasticity, brown, no HCLO.
5	-5		5.0-6.0	5.0-6.0	AK	D	3.7		
10	-10		10.0-11.5	10.0-11.0	3 4 5	D	7.4		Silty sand, fine to medium sand, low plasticity, brown, no HCLO.
15	-15		15.0-16.5	15.0-16.5	8 10 11	D	>500		Silty sand, fine to medium sand, low plasticity, brown, strong HCLO.
20	-20		20.0-21.5	20.0-21.5	18 26 22	M	>500		Medium sand with trace silt, low plasticity, some cobbles, brown, HCLO.
25	-25		25.0-26.5	25.0-26.5	16 19 25	W	164.1		Sandy silt, medium plasticity, brown/grey, HCLO.
30	-30		30.0-31.5	30.0-31.5	19 22 22	W	20.4		Silty sand, fine sand, low plasticity, brown, no HCLO.
									End of boring @ 31.5'



Well/Boring Construction

ARCADIS
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Remarks:
D = Dry
HCLO = Hydrocarbon-like Odor
M = Moist
NM = Not Measured
OD = Outer Diameter
Analytical Samples:
EW-2-10'
EW-2-30'

ft. = feet
LNAPL= Light Non-Aqueous Phase Liquid
NA = Not Applicable/Available
NR = No Recovery
W = Wet

EW-2-15'

Project: GP09BPNAWA48 K0000
Data File:

Template:
Date: 12/19/2012 SWM

Date Start/Finish: 1/24/2012-1/25/2012
Drilling Company: Cascade Drilling Inc.
Driller's Name: James
Drilling Method: Hollow Stem Auger
Auger Size: 12"
Rig Type: Hollow Stem Auger
Sampling Method: Sleeve

Northing: NM
Easting: NM
Casing Elevation: NM

Borehole Depth: 31.5 ft.
Surface Elevation: NM

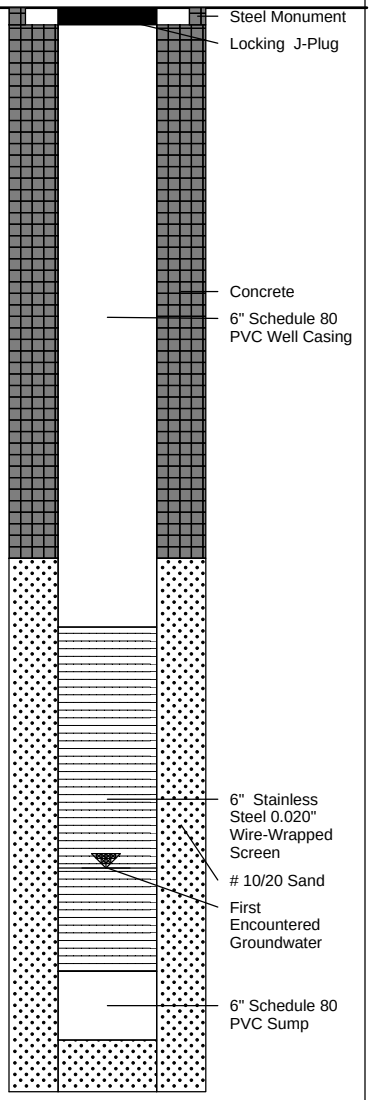
Descriptions By: Samuel Miles

Well/Boring ID: **EW-3**

Client: BP West Coast Products LLC

Location: 4580 Fauntleroy Way SW
Seattle, WA

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blow Counts	N - Value	PID Headspace (ppm)	Geologic Column	Stratigraphic Description
0	0								Concrete
									Silty sand, fine to medium sand, low plasticity, gray brown, no HCLO.
5	-5		5.0-6.0	5.0-6.0	AK	D	6.3		
10	-10		10.0-11.5	10.0-11.5	6 6 7	D	5.7		Silty sand, fine to medium sand, some gravel, low plasticity, grey/brown, no HCLO.
15	-15		15.0-16.5	15.0-16.5	10 12 10	D	10.1		Silty sand, fine sand, some gravel, medium plasticity, grey/brown.
20	-20		20.0-21.5	20.0-21.5	50/6	D	>800		Fine to medium sand with some gravel, low plasticity, grey/brown, HCLO.
25	-25		25.0-26.5	25.0-26.5	31 30 30	M/W	>150		Medium sand with trace silt, grey/brown, HCLO.
30	-30		30.0-31.5	30.0-31.5	36 50/6	W	51.4		Silty sand, fine sand, low plasticity, brown, HCLO.
									End of boring @ 31.5'



ARCADIS
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Remarks:
D = Dry
HCLO = Hydrocarbon-like Odor
M = Moist
NM = Not Measured
OD = Outer Diameter
Analytical Samples:
EW-3-15'
Dup-2

ft. = feet
LNAPL= Light Non-Aqueous Phase Liquid
NA = Not Applicable/Available
NR = No Recovery
W = Wet

EW-3-20'
EW-3-30'

Project: GP09BPNAWA48 K0000
Data File:

Template:
Date: 12/19/2012 SWM

Date Start/Finish: 1-23-12
Drilling Company: Cascade Drilling Inc.
Driller's Name: James
Drilling Method: Hollow Stem Auger
Auger Size: 8"
Rig Type: Hollow Stem Auger
Sampling Method: Sleeve

Northing: NM
Easting: NM
Casing Elevation: NM

Borehole Depth: 41.5 ft
Surface Elevation: NM

Descriptions By: Samuel Miles

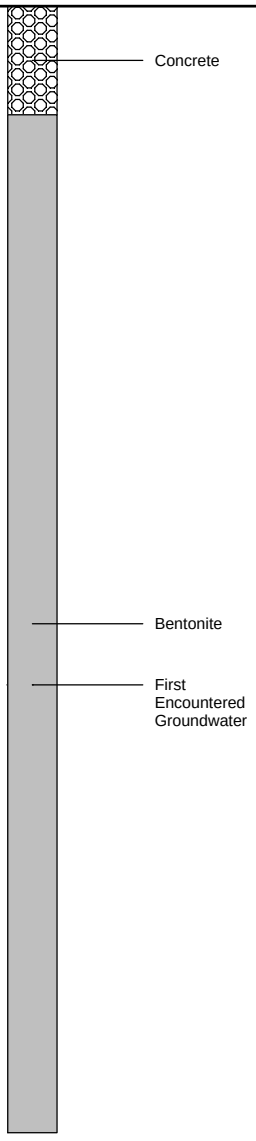
Well/Boring ID: **SB-1**

Client: BP West Coast Products LLC

Location: 4580 Fauntleroy Way SW
Seattle, WA

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blow Counts	N - Value	PID Headspace (ppm)	Geologic Column	Stratigraphic Description
0	0								Concrete
									Medium sand with trace silt, grey/brown, dry, low plasticity.
5	-5		5.0-6.0	5.0-6.0	AK	D	0.4		Silt with fine sand, medium plasticity, grey/brown.
10	-10		10.0-11.5	10.0-11.5	8 12 12	D	2.1		Sandy silt, fine sand, non plastic, brown.
15	-15		15.0-16.5	15.0-16.5	14 14 15	D	>400		Fine to medium sand with trace silt, grey/brown, non plastic, strong HCLO.
20	-20		20.0-21.5	20.0-21.5	14 16 17	D	>200		Fine to medium sand with trace silt, brown, non plastic, HCLO.
25	-25		25.0-26.5	25.0-26.5	15 14 15	M/W	8.1		Sandy silt, fine sand, non plastic, brown.
30	-30		30.0-31.5	30.0-31.5	50/5	W	14.4		Sandy silt, fine to medium sand, non plastic, brown, no HCLO.
35	-35		35.0-36.0	35.0-36.5	24 50/6	W	>50		Sandy silt, fine to medium sand, non plastic, brown, slight HCLO.
40	-40		40.0-41.5	40.0-41.5	37 50/6	W	4.9		Sandy silt, fine sand, grey/brown.
									End of boring @ 41.5'

Well/Boring Construction



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Remarks:
D = Dry
HCLO = Hydrocarbon-like Odor
M = Moist
NM = Not Measured
OD = Outer Diameter
Analytical Sample:
Dup-1
SB-1-35'
ft. = feet
LNAPL= Light Non-Aqueous Phase Liquid
NA = Not Applicable/Available
NR = No Recovery
W = Wet
SB-1-15'
SB-1-25'
SB-1-40'

Project: GP09BPNAWA48 K0000
Data File:
Template:
Date: 12/19/2012 SWM

Date Start/Finish: 1-23-12 & 1-24-12
Drilling Company: Cascade Drilling Inc.
Driller's Name: James
Drilling Method: Hollow Stem Auger
Auger Size: 8"
Rig Type: Hollow Stem Auger
Sampling Method: Sleeve

Northing: NM
Easting: NM
Casing Elevation: NM

Borehole Depth: 41.5 ft.
Surface Elevation: NM

Descriptions By: Samuel Miles

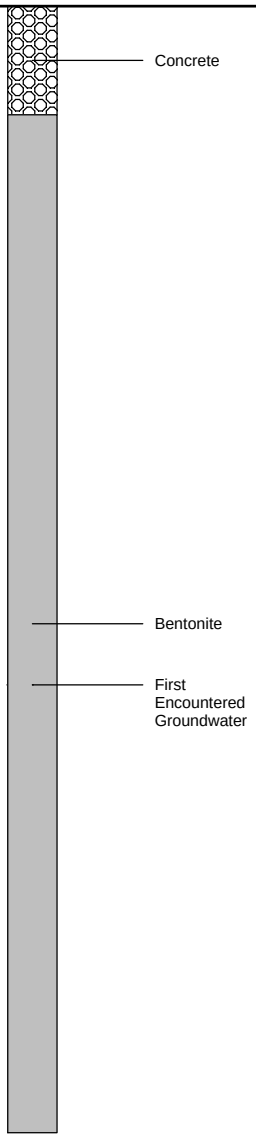
Well/Boring ID: **SB-2**

Client: BP West Coast Products LLC

Location: 4580 Fauntleroy Way SW
Seattle, WA

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blow Counts	N - Value	PID Headspace (ppm)	Geologic Column	Stratigraphic Description
0	0								Concrete
									Sandy silt, brown, medium plasticity, moist, no HCLO.
5	-5		5.0-6.0	5.0-6.0	AK	D/M	1.5		
10	-10		10.0-11.5	10.0-11.5	6 6 8	D/M	1.4		Some gravel from 10-11 feet.
									Medium sand with some silt, brown/grey, low plasticity.
15	-15		15.0-16.5	15.0-16.5	6 10 12	D	8.5		Sandy silt with some gravel, medium plasticity, grey, dry.
20	-20		20.0-21.5	20.0-21.5	17 20 20	D	>200		Fine to medium sand with some silt, non plasticity, grey/brown, dry, HCLO.
25	-25		25.0-26.5	-	17 18 18	-	NA		No recovery.
30	-30		30.0-31.5	-	50/5	-	NA		No recovery.
35	-35		35.0-36.0	35.0-36.5	46 50/6	W	14.4		Silty sand, fine to medium sand, medium plasticity, grey/brown, wet.
40	-40		40.0-41.5	40.0-41.5	40 56	W	8.7		Silty sand, fine to medium sand, medium plasticity, grey/brown, wet.
									End of boring @ 41.5'

Well/Boring Construction



ARCADIS
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Remarks:
D = Dry
HCLO = Hydrocarbon-like Odor
M = Moist
NM = Not Measured
OD = Outer Diameter
Analytical Samples:
SB-2-20'

ft. = feet
LNAPL= Light Non-Aqueous Phase Liquid
NA = Not Applicable/Available
NR = No Recovery
W = Wet

SB-2-35'

Project: GP09BPNAWA48 K0000
Data File:

Template:
Date: 12/19/2012 SWM

Date Start/Finish: 1-23-12 & 1-24-12
Drilling Company: Cascade Drilling Inc.
Driller's Name: James
Drilling Method: Hollow Stem Auger
Auger Size: 8"
Rig Type: Hollow Stem Auger
Sampling Method: Sleeve

Northing: NM
Easting: NM
Casing Elevation: NM

Borehole Depth: 51.5
Surface Elevation: NM

Descriptions By: Samuel Miles

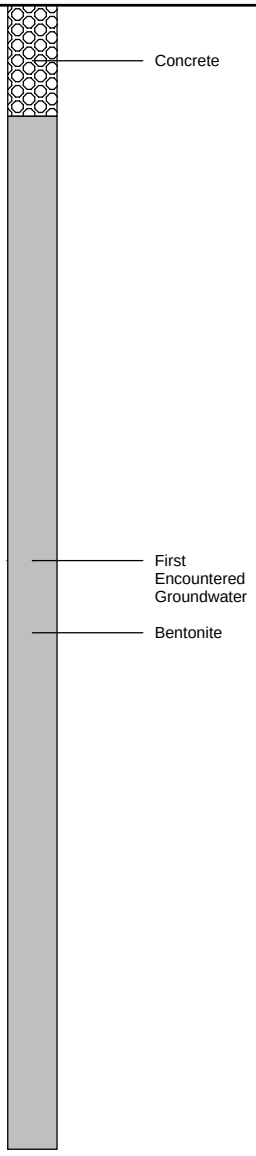
Well/Boring ID: **SB-3**

Client: BP West Coast Products LLC

Location: 4580 Fauntleroy Way SW
Seattle, WA

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blow Counts	N - Value	PID Headspace (ppm)	Geologic Column	Stratigraphic Description
0	0								Concrete
									Sandy silt, very fine sand, medium plasticity, grey with brown streaks, HCLO.
5	-5		5.0-6.0	5.0-6.0	AK	M	58.9		
10	-10		10.0-11.5	10.0-11.5	5 5 6	M	3.1		Silty sand, fine to medium sand, low plasticity, grey, woody debris.
15	-15		15.0-16.5	15.0-16.5	14 12 14	M	8.7		Silt with some fine sand, low plasticity, grey with brown streaks, some woody debris.
20	-20		20.0-21.5	20.0-21.5	16 19 20	M	>79.9		Medium sand, trace silt, grey, HCLO, no plasticity.
25	-25		25.0-26.5	25.0-26.5	27/56	M	>250		Medium sand, trace silt, grey, HCLO, no plasticity.
30	-30		30.0-31.5	30.0-31.5	24 29 30	W	>89.2		Silty sand, very fine, no plasticity, grey, HCLO.
35	-35		35.0-36.0	35.0-36.5	34	W	>50.0		Silty sand, very fine, no plasticity, grey/brown, HCLO.
40	-40		40.0-41.5	40.0-41.5	30 50	M	>87.0		Silt with trace sand, brown, chalky.
45	-45		45.0-46.5	45.0-46.5	31 30 30	W/M	70.9		Very fine sand with silt, low plasticity, grey.
50	-50		50.0-51.5	50.0-51.5	21 25 20	W/M	40.7		Very fine sand with silt, low plasticity, grey.
									End of boring @ 51.5'

Well/Boring Construction



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Remarks:
D = Dry
HCLO = Hydrocarbon-like Odor
M = Moist
NM = Not Measured
OD = Outer Diameter
Analytical Sample:
SB-3-5'
SB-3-20'
ft. = feet
LNAPL= Light Non-Aqueous Phase Liquid
NA = Not Applicable/Available
NR = No Recovery
W = Wet
SB-3-10'
SB-3-50'

Project: GP09BPNAWA48 K0000
Data File:
Template:
Date: 12/19/2012 SWM

Date Start/Finish: 1-23-12 & 1-24-12
Drilling Company: Cascade Drilling Inc.
Driller's Name: James
Drilling Method: Hollow Stem Auger
Auger Size: 8"
Rig Type: Hollow Stem Auger
Sampling Method: Sleeve

Northing: NM
Easting: NM
Casing Elevation: NM

Borehole Depth: 36.5 ft.
Surface Elevation: NM

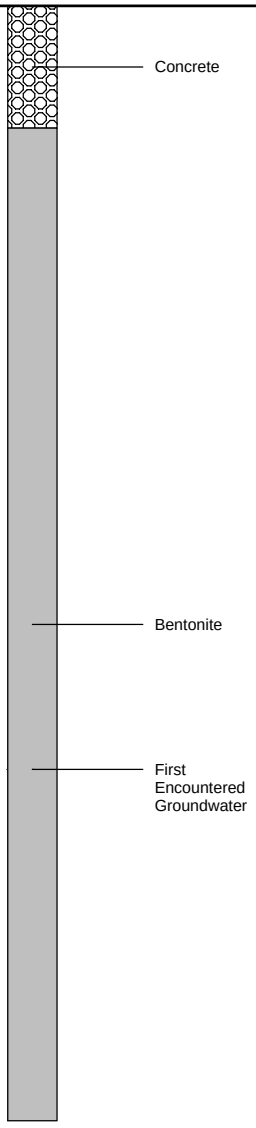
Descriptions By: Samuel Miles

Well/Boring ID: **SB-4**

Client: BP West Coast Products LLC

Location: 4580 Fauntleroy Way SW
Seattle, WA

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blow Counts	N - Value	PID Headspace (ppm)	Geologic Column	Stratigraphic Description
0	0								Concrete
									Medium sand with some silt, brown.
									Sandy silt, fine sand, some plasticity, brown, no HCLO.
5	-5		5.0-6.0	5.0-6.0	AK	D	0.7		
10	-10		10.0-11.5	10.0-11.5	4 5 4	D	0.2		Sandy silt, fine sand, some gravel, medium plasticity, brown/grey, no HCLO.
15	-15		15.0-16.5	15.0-16.5	16 21 20	D	>150		Fine to medium sand with trace silt, grey/brown, low plasticity, some HCLO.
20	-20		20.0-21.5	20.0-21.5	15 21 31	M	7.8		Fine to medium sand with trace silt, some gravel, grey/brown, low plasticity, some HCLO.
25	-25		25.0-26.5	25.0-26.5	17 26 22	W	4.5		Silty sand, fine to medium sand, low plasticity, brown/grey.
30	-30		30.0-31.5	30.0-31.5	27 30 30	W	0.5		Sandy silt, fine sand, low plasticity, brown, no HCLO.
35	-35		35.0-36.0	35.0-36.5	21 22 20	W	0.3		Fine sand with silt, low plasticity, brown.
									End of boring @ 36.5'



ARCADIS
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Remarks:
D = Dry
HCLO = Hydrocarbon-like Odor
M = Moist
NM = Not Measured
OD = Outer Diameter
Analytical Sample:
SB-4-15'
SB-4-35'
ft. = feet
LNAPL= Light Non-Aqueous Phase Liquid
NA = Not Applicable/Available
NR = No Recovery
W = Wet
SB-4-20'

Project: GP09BPNAWA48 K0000
Data File:
Template:
Date: 12/19/2012 SWM

Appendix B - Field and Workplan Contingencies

FIELD AND WORKPLAN CONTINGENCIES

Preparations for varying field conditions and potential change-in-conditions during field activities have been reviewed and planned for as referenced below:

- Changes in weather conditions such as hail, high wind or lightning may require suspension of field activities and the need for field personnel to shelter in place;
- Availability of staff, delays due to traffic or other unexpected conditions may require field staff to work extended hours or suspend operations;
- Criminal activity and site security issues may necessitate additional security measures, such as an additional field personnel presence;
- Excessive noise generation or noise complaints may require addition of noise abatement equipment or changes to the operation or location of equipment;
- Unexpected equipment failures or deficiencies may require mobilization of technicians to troubleshoot and perform repairs; and
- Scope changes to this workplan have been reviewed and have been planned for based on field conditions and typical conditions. If site work is terminated based on unpredicted field conditions, a management of change (MOC) will be required prior to rescheduling site work or new site work will be addressed as a new project with a modified workplan.