AECOM

2017 Annual Groundwater Monitoring Report

Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

April 19, 2018

2017 Annual Groundwater Monitoring Report
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

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List of Acronyms

BTEX	benzene, toluene, ethylbenzene, and total xylenes
CUL	cleanup level
DIPE	diisopropyl ether
EPA	Environmental Protection Agency
ETBE	ethyl tert-butyl ether
MDC	maximum detected concentration
MTBE	methyl tert-butyl ether
MTCA	Model Toxics Control Act
SOPUS	Shell Oil Products US
TAME	tert-amyl methyl ether
TBA	tert-butyl alcohol
TOC	top of casing
TPH	total petroleum hydrocarbons
TPH-D	total petroleum hydrocarbons as diesel
TPH-G	total petroleum hydrocarbons as gasoline

TPH-O	total petroleum hydrocarbons as oil
UST	underground storage tank
VOC	volatile organic compounds
µg/L	micrograms per liter

1. Introduction

AECOM was retained by Equilon Enterprises LLC dba Shell Oil Products US (SOPUS) to prepare this Annual Groundwater Monitoring Report for the Shell-branded service station located at 210 NE 45th Street, Seattle, Washington (the Site, Figure 1). This report summarizes groundwater gauging and sampling activities and analytical results during the 2017 monitoring period.

2. Site Description and Background

2.1 Site Information

Address:	210 Northeast 45th Street Seattle, Washington
Facility Site ID:	14577491
VCP#:	NW2033

2.2 Current Site Conditions

The Site is an active Shell-branded service station property located at 210 NE 45th Street on the northern side of Northeast 45th St between Thackeray Place Northeast and 2nd Avenue Northeast. The facility consists of a station building located on the northern portion of the Site, two centrally-located fuel dispenser islands, three 10,000 gallon gasoline underground storage tanks (USTs), and one 10,000 gallon diesel UST; all located within a common area on the western portion of the Site (CRA 2015). One 1,000 gallon heating oil UST, and one 500 gallon waste oil UST were removed from the Site in January 1991. The current and former facilities are presented on Figure 2.

Currently, there are nine groundwater monitoring wells and nine vapor extraction wells associated with this Site (Figures 2 and 3): six monitoring wells and nine vapor extraction wells are located on the Site property and three monitoring wells are located off the property.

3. Field Activities

This section describes the sample collection methods and field observations during the semi-annual monitoring field activities. Field activities were conducted during the first and third quarters of 2017 included gauging all 18 wells present on Site, and collection of groundwater samples from 9 wells (MW-2, MW-3, MW-6, MW- 9, VP-1, VP-2, VP-3, VP-7, and VP-8). MW-9 was not sampled during the third quarter event due to insufficient water. Samples were not collected from MW-9 during the third quarter event due to insufficient water in the well[1]. Monitoring well locations are illustrated in Figures 2 and 3. Well screen details and monitoring objectives are summarized in Table 1.

Groundwater samples collected from the wells during the 2017 monitoring period were analyzed for total petroleum hydrocarbons (TPH), TPH as gasoline range (TPH-G), TPH as diesel range (TPH-D), TPH as oil range (TPH-O), and volatile organic compounds (VOCs): benzene, toluene, ethylbenzene, and total xylenes (BTEX). Additionally, wells sampled during the first quarter monitoring event were analyzed for five oxygenates: methyl tert-butyl ether (MTBE), tert-amyl methyl ether (TAME), tert-butyl alcohol (TBA), diisopropyl ether (DIPE), and ethyl tert-butyl ether (ETBE). A summary of sample analytical data is presented in Table 2.

3.1 Fluid Level Gauging

Prior to purging and sampling, depth to groundwater was measured from nine monitoring wells, MW-1 through MW-9, and nine vapor extraction wells, VP-1 through VP-9. Groundwater levels were measured from the monitoring well top of casing (TOC) using an electronic water level meter and were recorded on the Groundwater Level Form, which is included in Appendix A.

[1] MW-9 groundwater depth was recorded from top of casing to a depth of 19.90 feet. The depth to the bottom of the well screen from ground surface is 20 feet.

Groundwater elevations (Table 3) were calculated from the surveyed TOC elevations. Using the calculated groundwater elevations, a groundwater elevation contour map was prepared based on available data (Figures 2 and 3). The groundwater flow direction across the Site during 2017 is generally to the south.

3.2 Groundwater Sampling

Blaine Tech Services, Inc. (subcontractor to AECOM) collected groundwater samples using standard low-flow sampling techniques. Low-flow sampling was accomplished using a peristaltic pump and disposable tubing. The wells were purged at a rate of 0.1 to 0.5 liters per minute. Water quality measurements, including pH, conductivity, oxidation/reduction potential, turbidity, temperature, and dissolved oxygen, were collected during the purging process of each well. Water quality parameters were measured to ensure a representative sample was taken from the groundwater formation. Stabilization of water quality parameters was determined by observing three consecutive measurements at least three to five minutes apart within ten percent of the previous measurements for specific conductance, +/- one degree Celsius for temperature, and plus or minus 0.2 standard units for pH. Samples were collected from the discharge tube into the appropriate sample containers, tightly sealed, uniquely labeled, chilled in a cooler filled with ice, and shipped to TestAmerica in in Spokane, Washington under proper chain-of-custody procedures. Copies of the monitoring well sampling field logs, which include field-measured water quality parameters, are included in Appendix A and copies of the chain of custody forms are included in Appendix B.

3.3 Decontamination

The groundwater samples were collected using dedicated and single-use equipment as well as decontaminated clean, reusable equipment. Dedicated equipment included polyethylene and silicone tubing. Single-use sampling equipment included nitrile gloves and laboratory-provided sample containers. Reusable sampling equipment consisted of a water level indicator, peristaltic pump, water quality parameter meters (pH, conductivity, oxidation/reduction potential, turbidity, temperature, and dissolved oxygen) which were decontaminated prior to and after use, using non-phosphate soap and deionized water solution followed by a deionized water rinse. Additionally, decontamination of the water level indicator using the above described method was performed between each well.

3.4 Investigation Derived Waste

Investigation derived waste included purge and decontamination water generated during gauging and sampling activities. The water was disposed of in accordance to the Shell Residual Management Plan (SOPUS 2017) at an approved waste disposal facility.

4. Analytical Methods and Results

This section discusses the analytical methods and results for the groundwater samples.

4.1 Laboratory Data Review

Data obtained from previous consultants (i.e., pre-Oct 2015) has not been independently reviewed or verified by AECOM, unless otherwise stated in the Report. The data review included review of the chain-of-custody to ensure sample integrity was maintained by verifying that the sample receipt temperature was within an acceptable range, no evident gaps were in the custody chain, and the correct analysis was requested per the scope of work. Holding times, blanks, surrogate recoveries, matrix spike/matrix spike duplicate recoveries, laboratory duplicate results, laboratory control sample recoveries, and reporting limits were reviewed to assess compliance with applicable methods. If data qualification was required, data were qualified based on the definitions and use of qualifying flags outlined in EPA guidance documentation (EPA 2017). Laboratory reports which include case narratives are provided in Appendix B.

Analyte concentrations detected between the method detection limits (MDLs) and the reporting limits (RLs) were qualified by the laboratory with ‘J’ flags. ‘J’ flagged results indicate that the result is an estimated value. Diesel was detected in the method blank associated with the third quarter data at a concentration above the MDL but below the RL. Diesel was detected in samples MW-3, VP-1, and VP-2 at concentrations above the MDL and below the RL; therefore, the results were qualified as not detected and flagged ‘<’ at the reported result. Analytical results are summarized in Table 2.

4.2 Analytical Methods

Groundwater samples were analyzed for the one or more of the following:

- TPH-G by Method NWTPH-Gx;
- TPH-D and TPH-O by Method NWTPH-Dx;
- VOCs: BTEX by Environmental Protection Agency (EPA) Method 8260C;
- VOCs: (Oxygenates) MTBE, TAME, TBA, DIPE, ETBE by Environmental Protection Agency (EPA) Method 8260C.

4.3 Results

All groundwater analytical results were compared to Model Toxics Control Act (MTCA) Method A groundwater cleanup levels (CULs) from Washington Administrative Code 173-340. Results for groundwater analytical data from samples collected during 2017 are summarized below and included in Table 2. The laboratory analytical reports are included in Appendix B.

- Toluene and ethylbenzene were not reported above their respective MTCA Method A CULs of 1,000 micrograms per liter (µg/L) and 700 µg/L. The maximum detected concentration (MDC) for toluene was 385 µg/L reported in VP-7 during the third quarter event. The MDC for ethylbenzene was 677 µg/L reported in VP-7 during the third quarter event.
- TPH-O was reported above the MTCA Method A CUL of 500 µg/L at a concentration of 580 µg/L in VP-7 during the third quarter. TPH-O in all other samples collected during 2017 was either not detected above the laboratory method detection limit (MDL) or detected at concentrations below the MTCA Method A CUL.
- Total xylenes were reported above the MTCA Method A CUL of 1,000 µg/L during the third quarter event in VP-7 at a concentration of 1,600 µg/L. Total xylenes in all other samples were either not detected above the MDL or detected at concentrations below the MTCA Method A CUL.
- TPH-G was reported above the MTCA Method A CUL of 800 µg/L in sample MW-6 during the first quarter sampling event and in MW-2, MW-6, and VP-7 during the third quarter event. The MDC for TPH-G was 12,100 µg/L reported in VP-7 during the third quarter event. TPH-G in all other samples was either not detected above the MDL or detected at concentrations below the MTCA Method A CUL.
- TPH-D was reported above the MTCA Method A CUL of 500 µg/L in sample MW-6 during the first quarter event and in samples MW-2, MW-6, VP-3, VP-7, and VP-8 during the third quarter event. The MDC for TPH-D was 3,120 µg/L reported in VP-8 during the third quarter event. TPH-D in all other samples was either not detected above the MDL or detected at concentrations below the MTCA Method A CUL.
- Benzene was reported above the MTCA Method A CUL of 5 µg/L in samples from MW-6 and VP-7 during both the first and third quarter events. The MDC for benzene during 2017 was 1,840 µg/L reported in VP-7 during the third quarter event. Benzene in all other samples was either not detected above the MDL or detected at concentrations below the MTCA Method A CUL.

5. Summary

Based on sampling results from the current monitoring well network, exceedances continue to be limited to the central portion of the Site near the UST basin and dispenser islands, with the exception of one off-Site well, MW-6, located downgradient across Northeast 45th Street in the right-of-way. Groundwater concentrations continue to exceed MTCA Method A CULs for gasoline- and diesel-range petroleum hydrocarbons, as well as benzene and total xylenes.

6. Limitations

AECOM has prepared this Report for the sole use of Shell in accordance with the Agreement under which our services were performed. No other warranty, expressed or implied, is made as to the professional advice included in this Report or any other services provided by us. This Report may not be relied upon by any other party without the prior and express written agreement of AECOM. Unless otherwise stated in this Report, the assessments made

assume that the Sites and facilities will continue to be used for their current purpose without significant change. The conclusions contained in this Report are based upon information provided by others and upon the assumption that all relevant information has been provided by those parties from whom it has been requested. Information obtained from third parties has not been independently verified by AECOM, unless otherwise stated in the Report.

7. References

CRA 2015 Site Investigation Work Plan, Shell-Branded Service Station, 210 Northeast 45th Street, Seattle, Washington, SAP Code 120877, March 2015.

SOPUS 2017 Residual Management Program. June 1.

EPA 2017 National Functional Guidelines for Organic Superfund Methods Data Review. EPA 540-R-2017-002. January.

Figures

APPROXIMATE SCALE:
1:24,000

SEATTLE NORTH, WASHINGTON USGS TOPOGRAPHIC 7.5' SERIES QUADRANGLE 1983.

O:\25211158 Shell\2016\60482000-210 NE 45th St Seattle-Seattle Server\5000 Technical\Figures\Fig 1 Site Vicinity Map.dwg Jan 10, 2018 - 9:29am

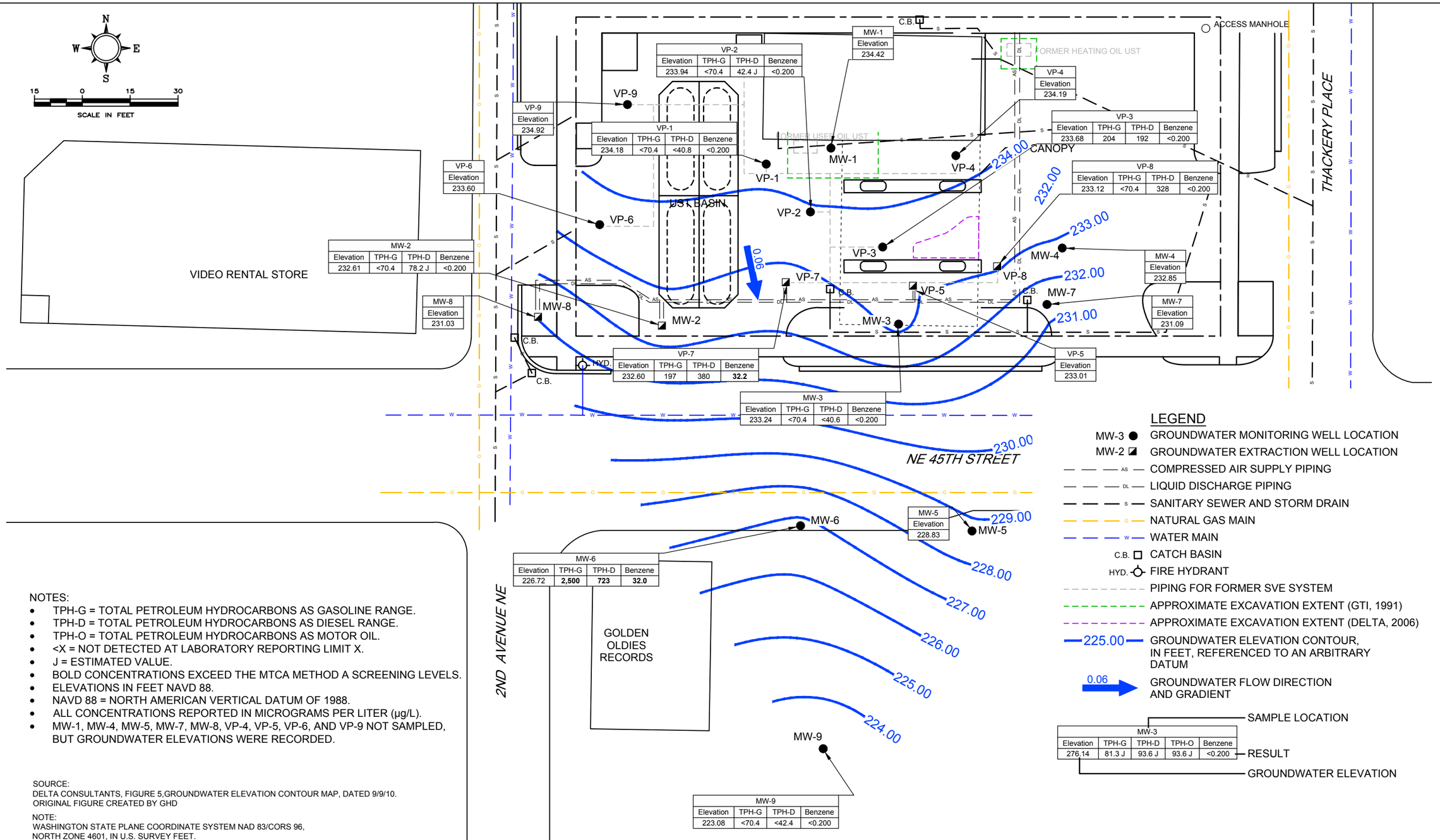
AECOM

SITE VICINITY MAP

SHELL-BRANDED WHOLESALE FACILITY
210 NORHEAST 45TH STREET
SEATTLE, WASHINGTON

JANUARY 2018
60527984

FIGURE 1



NOTES:

- TPH-G = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE RANGE.
- TPH-D = TOTAL PETROLEUM HYDROCARBONS AS DIESEL RANGE.
- TPH-O = TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL.
- <X = NOT DETECTED AT LABORATORY REPORTING LIMIT X.
- J = ESTIMATED VALUE.
- BOLD CONCENTRATIONS EXCEED THE MTCA METHOD A SCREENING LEVELS.
- ELEVATIONS IN FEET NAVD 88.
- NAVD 88 = NORTH AMERICAN VERTICAL DATUM OF 1988.
- ALL CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (µg/L).
- MW-1, MW-4, MW-5, MW-7, MW-8, VP-4, VP-5, VP-6, AND VP-9 NOT SAMPLED, BUT GROUNDWATER ELEVATIONS WERE RECORDED.

SOURCE:
DELTA CONSULTANTS, FIGURE 5,GROUNDWATER ELEVATION CONTOUR MAP, DATED 9/9/10.
ORIGINAL FIGURE CREATED BY GHD

NOTE:
WASHINGTON STATE PLANE COORDINATE SYSTEM NAD 83/CORS 96,
NORTH ZONE 4601, IN U.S. SURVEY FEET.

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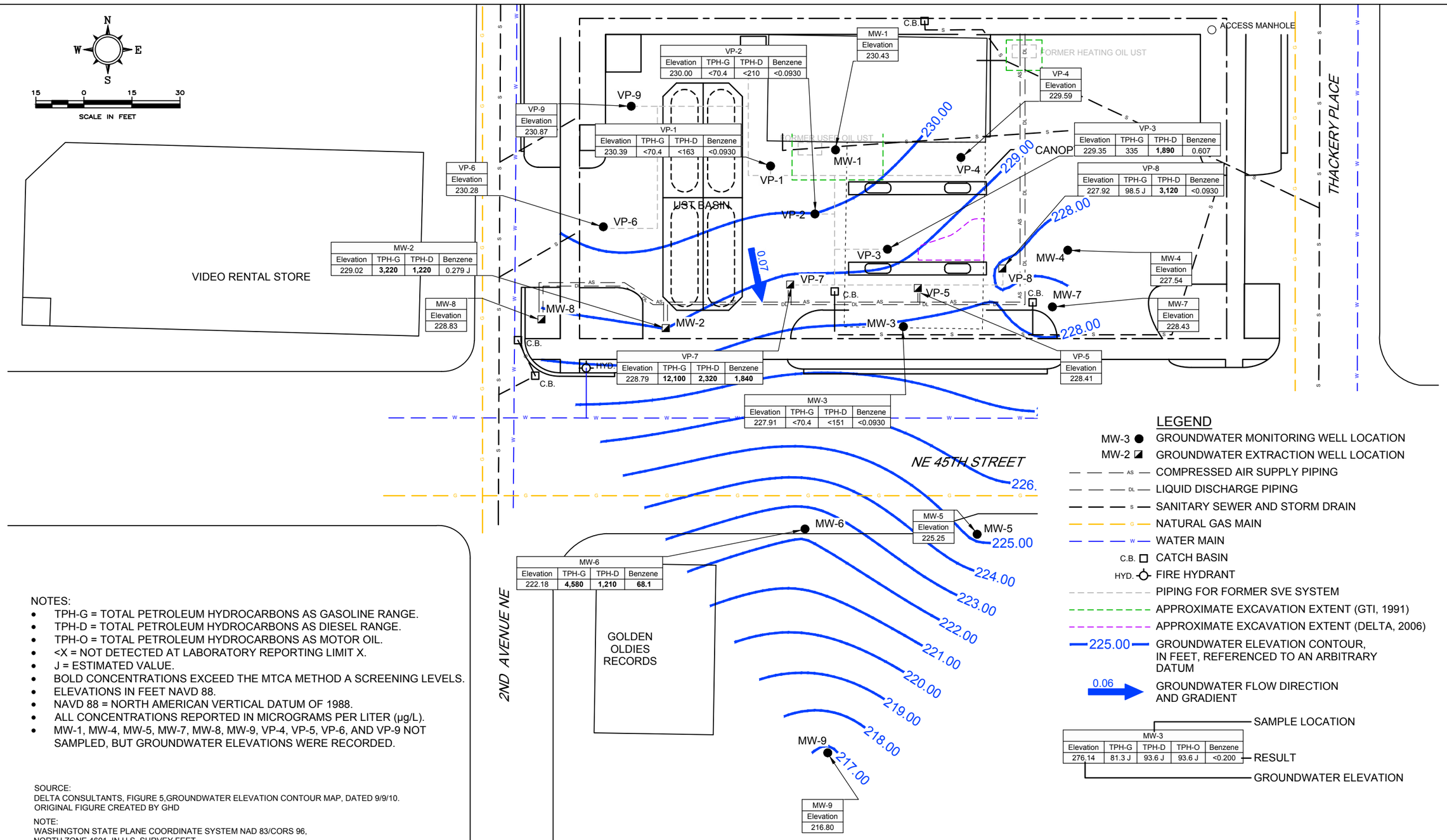
GROUNDWATER CONTOUR AND CHEMICAL CONCENTRATION MAP - FEBRUARY 23, 2017

AUGUST 2017
60527984

SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

FIGURE 2

G:\252111158 Shell\2016\60482000-210 NE 45th St Seattle-Seattle Server\5000 Technical\Figures\Fig 2 GW 1017.DWG Mar 15, 2018 - 11:50am



NOTES:

- TPH-G = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE RANGE.
- TPH-D = TOTAL PETROLEUM HYDROCARBONS AS DIESEL RANGE.
- TPH-O = TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL.
- <X = NOT DETECTED AT LABORATORY REPORTING LIMIT X.
- J = ESTIMATED VALUE.
- BOLD CONCENTRATIONS EXCEED THE MTCA METHOD A SCREENING LEVELS.
- ELEVATIONS IN FEET NAVD 88.
- NAVD 88 = NORTH AMERICAN VERTICAL DATUM OF 1988.
- ALL CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (µg/L).
- MW-1, MW-4, MW-5, MW-7, MW-8, MW-9, VP-4, VP-5, VP-6, AND VP-9 NOT SAMPLED, BUT GROUNDWATER ELEVATIONS WERE RECORDED.

SOURCE:
DELTA CONSULTANTS, FIGURE 5,GROUNDWATER ELEVATION CONTOUR MAP, DATED 9/9/10.
ORIGINAL FIGURE CREATED BY GHD

NOTE:
WASHINGTON STATE PLANE COORDINATE SYSTEM NAD 83/CORS 96,
NORTH ZONE 4601, IN U.S. SURVEY FEET.

LEGEND

- MW-3 ● GROUNDWATER MONITORING WELL LOCATION
- MW-2 ◪ GROUNDWATER EXTRACTION WELL LOCATION
- AS COMPRESSED AIR SUPPLY PIPING
- DL LIQUID DISCHARGE PIPING
- S SANITARY SEWER AND STORM DRAIN
- G NATURAL GAS MAIN
- W WATER MAIN
- C.B. CATCH BASIN
- HYD. FIRE HYDRANT
- PIPING FOR FORMER SVE SYSTEM
- APPROXIMATE EXCAVATION EXTENT (GTI, 1991)
- APPROXIMATE EXCAVATION EXTENT (DELTA, 2006)
- 225.00 GROUNDWATER ELEVATION CONTOUR, IN FEET, REFERENCED TO AN ARBITRARY DATUM
- 0.06 GROUNDWATER FLOW DIRECTION AND GRADIENT

MW-3
Elevation TPH-G TPH-D TPH-O Benzene
276.14 81.3 J 93.6 J 93.6 J <0.200

SAMPLE LOCATION
RESULT
GROUNDWATER ELEVATION

GROUNDWATER CONTOUR AND CHEMICAL CONCENTRATION MAP - AUGUST 24, 2017

JANUARY 2018
60527984

SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

FIGURE 3

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Tables

Table 1

Monitoring Well Details
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington

Monitoring Well	Status	Gauged/Sampled	Installation Date	Measuring Point Elevation (ft) NAVD 88	Well Screen Interval (ft bgs)
MW-1	Active	G	02/1991	238.63	5 - 15
MW-2	Active	G,S	10/22/91	237.51	5 - 25
MW-3	Active	G,S	10/22/91	238.26	5 - 15
MW-4	Active	G	10/22/91	238.33	5 - 15
MW-5	Active	G	10/23/91	235.98	5 - 20
MW-6	Active	G,S	10/23/91	236.37	5 - 20
MW-7	Active	G	–	237.54	-
MW-8	Active	G	–	238.04	-
MW-9	Active	G,S[1]	07/25/14	236.70	5 - 20
VP-1	Active	G,S	02/07/91	239.33	5 - 15
VP-2	Active	G,S	02/07/91	238.59	5 - 15
VP-3	Active	G,S	02/08/91	237.86	5 - 15
VP-4	Active	G	02/08/91	238.29	5 - 15
VP-5	Active	G	02/08/91	237.93	5 - 25
VP-6	Active	G	02/08/91	238.72	5 - 15
VP-7	Active	G,S	02/11/91	237.80	5 - 15
VP-8	Active	G,S	02/11/91	237.56	5 - 15
VP-9	Active	G	02/11/91	240.67	5 - 15

Notes:
G -Well gauged
S - Well sampled
– - Well detail unknown
ft - feet
bgs - Below ground surface
[1] Scheduled for gauging and/or sampling, but insufficient water was available to collect sample in one or more quarters.

Table 2

Summary of Groundwater Monitoring Analytical Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

		Total Petroleum Hydrocarbons (µg/L)			Primary VOCs (µg/L)						Oxygenates (µg/L)					Total Metals (µg/L)		Secondary VOCs (µg/L)	
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method A Cleanup Levels		800/1000[1]	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
MW-1	04/10/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	11/08/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/14/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	04/19/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/07/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	11/01/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/20/02	195	**3,440**	**577**	3.13	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	05/14/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/22/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/03/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/06/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/12/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/16/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/17/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/23/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/07/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/15/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/13/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/15/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/13/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/27/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/19/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/20/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/02/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/08/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/08/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/27/07	279	**34,600**	**4,610**	**7.18**	< 0.500	< 0.500	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	09/26/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/27/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/27/08	140	**6,400**	< 1,000	< 1	< 1	< 1	< 1	---	---	< 1	< 1	7.4	< 1	< 1	---	---	---	---
	06/25/08	160	**6,100**	< 1,000	< 1	< 1	< 1	< 1	---	---	< 1	---	---	---	---	---	---	---	---
	10/01/08	Not Sampled - Well Dry		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/11/08	83	400	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	03/10/09	< 100	220	< 100	< 0.50	< 1.0	< 1.0	< 1.0	---	---	< 1.0	< 2.0	< 10	< 2.0	< 2.0	---	---	---	---
	05/27/09	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	---	---	---	---	---	---	---	---	---	---	---
	09/01/09	920	**1,200**	110	< 0.50	< 1.0	< 1.0	< 1.0	---	---	---	---	---	---	---	---	---	---	---
	12/03/09	< 100	410	< 100	< 0.50	< 1.0	< 1.0	< 1.0	< 0.010	0.5	---	---	---	---	---	---	---	---	---
	02/18/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	< 0.010	< 0.50	< 1.0	< 2.0	< 10	< 2.0	< 2.0	---	---	< 0.10	< 0.10
	05/04/10	< 100	130	< 100	< 0.50	< 1.0	< 1.0	< 1.0	---	---	< 1.0	---	---	---	---	---	---	---	---
	08/17/10	< 100	210	< 100	< 0.50	< 1.0	< 1.0	< 1.0	---	---	---	---	---	---	---	---	---	---	---
	12/16/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	---	---	---	---	---	---	---	---	---	---	---
	02/25/11	< 100	189	< 96.2	< 1.00	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 20.0	< 1.00	< 1.00	---	---	---	---
	08/11/11	< 100	**1,470**	< 250	< 1.00	< 1.00	< 1.00	< 3.00	---	---	---	---	---	---	---	---	---	---	---

Table 2

Summary of Groundwater Monitoring Analytical Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

		Total Petroleum Hydrocarbons (µg/L)			Primary VOCs (µg/L)						Oxygenates (µg/L)					Total Metals (µg/L)		Secondary VOCs (µg/L)	
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method A Cleanup Levels		800/1000[1]	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	02/07/12	< 100	< 96.2	< 240	< 1.00	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 10.0	< 1.00	< 1.00	---	---	---	---
	07/31/12	< 100	224	< 94.3	< 1.00	< 1.00	< 1.00	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	01/22/13	< 100	191	< 95.2	< 1.00	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	08/07/13	< 100	**644**	165	< 1.00	< 1.00	< 1.00	< 2.00	---	---	---	---	---	---	---	---	---	---	---
	03/24/14	< 100	**1,920**	287	< 1.00	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	08/27/14	< 100	153	< 93.9	< 1.00	< 1.00	< 1.00	< 2.00	---	---	---	---	---	---	---	---	---	---	---
	01/21/15	< 100	< 93.9	< 93.9	< 1.00	< 1.00	< 1.00	< 2.00	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	06/29/15	< 100	103	< 93.0	< 1.00	< 1.00	< 1.00	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	02/04/16	< 17.8	< 190	< 285	< 0.0320	< 0.0380	< 0.0860	< 0.0160	---	---	---	---	---	---	---	---	---	---	---
	08/02/16	21.5 J	136	< 60.6	< 0.0930	< 0.312	< 0.198	0.683 J	---	---	---	---	---	---	---	---	---	---	---
	02/23/17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/24/17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/07/18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	04/10/97	**61,900**	**9,520**	---	**21600**	**17,600**	**905**	**5,920**	---	---	---	---	---	---	---	---	---	---	---
	07/24/97	**46,400**	**546**	---	**8250**	**4,920**	**791**	**4,500**	---	---	---	---	---	---	---	---	---	---	---
	01/27/98	**14,400**	**3,070**	---	**1610**	**1,340**	114	**1,380**	---	---	---	---	---	---	---	---	---	---	---
	04/29/98	656	**2,160**	---	**16**	17	1.7	26	---	---	---	---	---	---	---	---	---	---	---
	07/28/98	**7,790**	**583**	---	**247**	31	217	**1,330**	---	---	---	---	---	---	---	---	---	---	---
	10/21/98	**17,100**	**6,930**	---	**1990**	**1,350**	406	**2,600**	---	---	---	---	---	---	---	---	---	---	---
	01/20/99	**3,680**	**1,310**	---	**75.5**	36	145	292	---	---	---	---	---	---	---	---	---	---	---
	04/22/99	**8,560**	**3,760**	---	**423**	383	140	565	---	---	---	---	---	---	---	---	---	---	---
	07/21/99	**1,370**	**2,810**	---	**71.5**	3.3	19	46	---	---	---	---	---	---	---	---	---	---	---
	10/26/99	**3,070**	**3,440**	---	**112**	47	49	124	---	---	---	---	---	---	---	---	---	---	---
	02/23/00	**10,500**	**68,900**	---	**191**	586	180	889	---	---	---	---	---	---	---	---	---	---	---
	05/31/00	**807**	**2,930**	---	**14.5**	75	8.1	96	---	---	---	---	---	---	---	---	---	---	---
	08/22/00	195	**1,040**	---	**12.5**	1.7	7.2	7.4	---	---	---	---	---	---	---	---	---	---	---
	11/08/00	**8,960**	**16,000**	< 500	**58.2**	**1,190**	120	**1,490**	---	---	---	---	---	---	---	---	---	---	---
	02/14/01	**2,180**	**3,850**	< 500	3.92	125	6.61	427	---	---	---	---	---	---	---	---	---	---	---
	04/19/01	**1,110**	**3,570**	< 500	**10.9**	64	18	111	---	---	---	---	---	---	---	---	---	---	---
	08/07/01	**9,260**	**5,320**	**759**	**60.4**	**1,390**	121	**1,460**	---	---	---	---	---	---	---	---	---	---	---
	11/01/01	100	**672**	< 500	< 0.5	2.9	0.85	6.1	---	---	---	---	---	---	---	---	---	---	---
	03/20/02	148	367	< 500	1.8	18	3.0	15	---	---	---	---	---	---	---	---	---	---	---
	05/14/02	655	< 284	< 568	1.87	1.7	0.65	3.4	---	---	---	---	---	---	---	---	---	---	---
	08/22/02	**6,800**	500	< 750	**9**	500	110	710	---	---	---	---	---	---	---	---	---	---	---
	12/03/02	< 250	< 250	< 750	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	03/06/03	270	< 250	< 500	4.2	2	8.6	7.5	---	---	---	---	---	---	---	---	---	---	---
	06/11/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	09/16/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	12/17/03	**7,500**	< 250	< 500	**6.3**	920	150	**1,050**	---	---	---	---	---	---	---	---	---	---	---
	03/23/04	**16,000**	**1,000**	< 500	**5.3**	**1,300**	380	**2,330**	---	---	---	---	---	---	---	---	---	---	---
	07/07/04	**11,000**	**2,900**	< 500	< 5	880	280	**2,590**	---	---	---	---	---	---	---	---	---	---	---
	09/15/04	**6,400**	**1,900**	< 500	**12**	380	150	**1,470**	---	---	---	---	---	---	---	---	---	---	---
	12/13/04	720	370	< 500	**6**	15	2.5	230	---	---	---	---	---	---	---	---	---	---	---
	03/15/05	**14,000**	**810**	< 1,500	**170**	560	**760**	**4,400**	---	---	---	---	---	---	---	---	---	---	---
	06/13/05	< 50	< 250	< 500	< 1	< 1	2.5	7.4	---	---	---	---	---	---	---	---	---	---	---

Table 2

Summary of Groundwater Monitoring Analytical Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

		Total Petroleum Hydrocarbons (µg/L)			Primary VOCs (µg/L)						Oxygenates (µg/L)					Total Metals (µg/L)		Secondary VOCs (µg/L)	
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method A Cleanup Levels		800/1000[1]	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	09/27/05	**6,400**	**620**	< 510	**530**	60	360	**1,550**	---	---	---	---	---	---	---	---	---	---	---
	12/19/05	< 50.0	414	< 481	0.916	0.525	1.79	11.0	---	---	---	---	---	---	---	---	---	---	---
	03/20/06	769	< 236	< 472	**47**	7.34	31.1	161	---	---	---	---	---	---	---	---	---	---	---
	05/02/06	**6,860 / 6,860**	**671 / 524**	478 / < 476	**143 / 147**	39.6 / 39.9	326 / 334	**1,840 / 1,850**	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---
	12/08/06	**16,800**	**976**	< 476	**309**	56.0	846	**4,540**	---	---	---	---	---	---	---	---	---	---	---
	03/08/07	**3,900**	< 243	< 485	**62.7**	5.95	30.8	780	---	---	---	---	---	---	---	---	---	---	---
	06/27/07	**26,900**	**1,100**	< 481	**175**	48.1	**1,360**	**6,690**	---	---	---	---	---	---	---	---	---	---	---
	09/26/07	**3,130**	< 236	< 472	**119**	17.7	350	489	---	---	< 5.00	< 1.00	< 50.0	< 1.00	< 1.00	---	< 250	---	---
	12/27/07	**1,030 b**	< 238	< 476	4.62	2.83	36	292	---	---	---	---	---	---	---	---	---	---	---
	03/27/08	620	---	---	1.1	< 1	10	169	---	---	< 1	< 1	< 5	< 1	< 1	---	---	---	---
	06/25/08	**5,800**	**1,100**	< 1,000	**25**	34	**880**	**3,400**	---	---	< 1	---	---	---	---	---	---	---	---
	10/01/08	**2,200**	**2,500**	< 1,000	**16**	6.6	220	138	---	---	< 1	---	---	---	---	---	---	---	---
	12/11/08	**2,300**	**2,800**	< 2,000	4.3	4.6	130	490	---	---	---	---	---	---	---	---	---	---	---
	03/10/09	**1,100**	240	< 100	1.1	2.7	38	430	---	---	< 1.0	< 2.0	< 10	< 2.0	< 2.0	---	---	---	---
	05/27/09	**3,500**	< 100	< 100	0.72	5.4	300	**1,200**	---	---	---	---	---	---	---	---	---	---	---
	09/01/09	**2,600**	**670**	< 100	2.4	4.7	300	410	---	---	---	---	---	---	---	---	---	---	---
	12/03/09	620	220	< 100	< 0.50	< 1.0	35	170	< 0.010	< 0.50	---	---	---	---	---	---	---	---	---
	02/18/10	< 100	< 100	< 100	< 0.50	< 1.0	2.4	6.6	< 0.010	< 0.50	< 1.0	< 2.0	< 10	< 2.0	< 2.0	---	---	< 0.10	< 0.10
	05/04/10	**1,900**	**1,200**	< 100	< 0.50	1.7	250	680	---	---	< 1.0	---	---	---	---	< 1.00	---	19.7	< 0.50
	08/17/10	**4,200**	**3,300**	< 100	< 2.5	< 5.0	500	760	---	---	---	---	---	---	---	---	---	---	---
	12/16/10	200	160	< 100	< 0.50	< 1.0	6.3	15	---	---	---	---	---	---	---	---	---	---	---
	02/25/11	636	378	141	< 1.00	< 1.00	14.3	17.9	---	---	< 1.00	< 1.00	< 20.0	< 1.00	< 1.00	---	---	---	---
	08/11/11	**4,100**	**804**	< 250	< 1.00	2.05	401	227	---	---	---	---	---	---	---	---	---	---	---
	02/07/12	600	331	< 240	< 1.00	< 1.00	14.0	34.1	---	---	< 1.00	< 1.00	< 10.0	< 1.00	< 1.00	---	---	---	---
	07/31/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/01/12	**2,440**	**878**	< 94.3	< 1.00	1.81	324	146	---	---	---	---	---	---	---	---	---	---	---
	01/22/13	< 100	< 95.2	< 95.2	< 1.00	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	08/07/13	**1,680**	432	< 100	< 1.00	1.54	235	22.0	---	---	---	---	---	---	---	---	---	---	---
	03/24/14	130	419	166	< 1.00	< 1.00	9.41	< 3.00	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	08/27/14	**2,910**	**966**	< 93.9	< 1.00	1.6	358	59.3	---	---	---	---	---	---	---	---	---	---	---
	01/21/15	148	180	< 93.9	< 1.00	< 1.00	3.28	< 2.00	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	06/29/15	**2,480**	**609**	< 93.5	< 1.00	1.94	294	27.7	---	---	---	---	---	---	---	---	---	---	---
	02/04/16	< 17.8	< 190	< 285	< 0.0320	< 0.0380	< 0.0860	< 0.0160	---	---	---	---	---	---	---	---	---	---	---
	08/02/16	**1,120**	**658**	< 61.0	0.396	1.71	190	31.7	---	---	---	---	---	---	---	---	---	---	---
	02/23/17	< 70.4	78.2 J	< 62.1	< 0.200	< 0.170	< 0.190	< 0.580	---	---	< 0.170	< 0.170	< 3.90	< 0.170	< 0.210	---	---	---	---
	08/24/17	**3,220**	**1,220**	< 126	0.279 J	1.84	288	39.4	---	---	---	---	---	---	---	---	---	---	---
	02/07/18	< 70.4	< 109	< 119	< 0.200	< 0.170	< 0.190	< 0.580	---	---	< 0.170	< 0.170	< 3.90	< 0.170	< 0.210	---	---	---	---
MW-3	04/10/97	< 50	< 250	---	0.559	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	07/24/97	56	281	---	**34.4**	0.66	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	11/06/97	89	261	---	**606**	< 0.5	< 0.5	3.36	---	---	---	---	---	---	---	---	---	---	---
	01/27/98	< 50	273	---	**52.3**	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	04/29/98	178	< 250	---	**786**	1.12	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	07/28/98	175	< 250	---	**193**	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	10/21/98	< 50	< 250	---	**47.5**	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	01/20/99	< 50	< 250	---	< 0.5	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---

Table 2

Summary of Groundwater Monitoring Analytical Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

		Total Petroleum Hydrocarbons (µg/L)			Primary VOCs (µg/L)						Oxygenates (µg/L)					Total Metals (µg/L)		Secondary VOCs (µg/L)	
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method A Cleanup Levels		800/1000[1]	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	04/22/99	< 50	< 250	---	2.16	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	07/21/99	< 50	< 250	---	< 0.5	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	10/26/99	< 50	< 371	---	< 0.5	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	02/23/00	< 50	< 250	---	< 0.5	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	05/31/00	< 1	< 250	---	< 0.5	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	08/22/00	158	< 294	---	**9.36**	< 0.5	< 0.5	1.14	---	---	---	---	---	---	---	---	---	---	---
	11/08/00	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	02/14/01	< 50	< 250	< 500	2.66	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	04/19/01	< 50	< 250	< 500	1.45	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	08/07/01	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	11/01/01	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	03/20/02	< 50	< 250	< 500	0.661	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	05/14/02	< 50	< 250	< 500	0.868	0.664	< 0.5	1.41	---	---	---	---	---	---	---	---	---	---	---
	08/22/02	< 250	< 250	< 750	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	12/03/02	< 250	< 250	< 750	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	03/06/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	06/12/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	09/16/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	12/17/03	< 250	330	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	03/23/04	< 250	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	07/07/04	< 250	**1,500**	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	09/15/04	< 250	**1,300**	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	12/13/04	< 250	530	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	03/15/05	< 250	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	06/13/05	< 50	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	09/27/05	< 50	440	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	12/19/05	< 50.0	396	< 481	< 0.500	< 0.500	< 0.500	< 1.00	---	---	---	---	---	---	---	---	---	---	---
	03/20/06	< 50.0	< 236	< 472	< 0.500	< 0.500	< 0.500	< 1.00	---	---	---	---	---	---	---	---	---	---	---
	05/02/06	< 50.0	< 238	< 476	< 0.500	< 0.500	< 0.500	< 1.00	---	---	---	---	---	---	---	---	---	---	---
	12/08/06	< 50.0	< 245	< 490	0.68	< 0.500	< 0.500	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	03/08/07	< 50.0	< 243	< 485	< 0.500	< 0.500	< 0.500	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	06/27/07	< 50.0	< 240	< 481	< 0.500	< 0.500	< 0.500	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	09/26/07	< 50.0	< 236	< 472	< 0.500	< 0.500	< 0.500	< 3.00	---	---	< 5.00	< 1.00	< 50.0	< 1.00	< 1.00	---	< 250	---	---
	12/27/07	< 50.0	< 238	< 476	< 0.500	< 0.500	< 0.500	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	03/27/08	< 50	< 250	< 500	< 1	< 1	< 1	< 1	---	---	< 1	< 1	< 5	< 1	< 1	---	---	---	---
	06/25/08	< 50	< 250	< 500	< 1	< 1	< 1	< 1	---	---	< 1	---	---	---	---	---	---	---	---
	10/01/08	< 50	< 250	< 500	< 1	< 1	< 1	< 1	---	---	< 1	---	---	---	---	---	---	---	---
	12/11/08	< 50	< 250	< 500	< 1	< 1	< 1	1.6	---	---	---	---	---	---	---	---	---	---	---
	03/10/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/27/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/01/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/03/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/18/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	< 0.010	< 0.50	< 1.0	< 2.0	< 10	< 2.0	< 2.0	---	---	< 0.10	< 0.10
	05/05/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	---	---	< 1.0	---	---	---	---	< 1.00	---	< 0.10	< 0.10
	08/17/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	---	---	---	---	---	---	---	---	---	---	---

Table 2

Summary of Groundwater Monitoring Analytical Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

		Total Petroleum Hydrocarbons (µg/L)			Primary VOCs (µg/L)						Oxygenates (µg/L)					Total Metals (µg/L)		Secondary VOCs (µg/L)	
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method A Cleanup Levels		800/1000[1]	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	12/16/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	---	---	---	---	---	---	---	---	---	---	---
	02/25/11	< 100	< 96.2	< 96.2	< 1.00	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 20.0	< 1.00	< 1.00	---	---	---	---
	08/11/11	< 100	< 100	< 250	< 1.00	< 1.00	< 1.00	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	02/07/12	< 100	< 96.2	< 240	< 1.00	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 10.0	< 1.00	< 1.00	---	---	---	---
	07/31/12	< 100	< 94.3	< 94.3	< 1.00	< 1.00	< 1.00	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	01/22/13	< 100	< 95.2	< 95.2	< 1.00	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	08/07/13	< 100	207	< 100	< 1.00	< 1.00	< 1.00	< 2.00	---	---	---	---	---	---	---	---	---	---	---
	03/24/14	< 100	< 93.9	< 93.9	< 1.00	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	08/27/14	< 100	< 93.9	< 93.9	< 1.00	< 1.00	< 1.00	< 2.00	---	---	---	---	---	---	---	---	---	---	---
	01/21/15	< 100	< 93.9	< 93.9	< 1.00	< 1.00	< 1.00	< 2.00	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	06/29/15	< 100	< 93.0	< 93.0	< 1.00	< 1.00	< 1.00	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	02/04/16	< 17.8	< 190	< 284	< 0.0320	< 0.0380	< 0.0860	< 0.0160	---	---	---	---	---	---	---	---	---	---	---
	08/02/16	< 17.8	149	< 61.4	< 0.0930	< 0.312	< 0.198	< 0.162	---	---	---	---	---	---	---	---	---	---	---
	02/23/17	< 70.4	< 40.6	< 60.9	< 0.200	< 0.170	< 0.190	< 0.580	---	---	< 0.170	< 0.170	< 3.90	< 0.170	< 0.210	---	---	---	---
	08/24/17	< 70.4	< 151	< 126	< 0.0930	< 0.312	0.417 J	< 0.442	---	---	---	---	---	---	---	---	---	---	---
	02/07/18	< 70.4	< 109	< 119	< 0.200	< 0.170	< 0.190	< 0.580	---	---	< 0.170	< 0.170	< 3.90	< 0.170	< 0.210	---	---	---	---
MW-4	04/10/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/24/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	01/27/98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	04/29/98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/28/98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/21/98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	01/20/99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	04/22/99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/21/99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/26/99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/23/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/31/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/22/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	11/08/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/14/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	04/19/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/07/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	11/01/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/20/02	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	05/14/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/22/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/03/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/06/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/12/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/16/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/17/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/23/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/07/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/15/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 2

Summary of Groundwater Monitoring Analytical Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

		Total Petroleum Hydrocarbons (µg/L)			Primary VOCs (µg/L)						Oxygenates (µg/L)					Total Metals (µg/L)		Secondary VOCs (µg/L)	
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method A Cleanup Levels		800/1000[1]	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	12/13/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/15/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/13/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/27/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/19/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/20/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/02/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/08/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/08/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/27/07	< 50.0	< 240	< 481	< 0.500	< 0.500	< 0.500	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	09/26/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/27/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/27/08	< 50	< 250	< 500	< 1	< 1	< 1	< 1	---	---	< 1	< 1	< 5	< 1	< 1	---	---	---	---
	06/25/08	< 50	< 250	< 500	< 1	< 1	< 1	< 1	---	---	< 1	---	---	---	---	---	---	---	---
	10/01/08	< 50	< 250	< 500	< 1	< 1	< 1	< 1	---	---	< 1	---	---	---	---	---	---	---	---
	12/11/08	< 50	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	03/10/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/27/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/01/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/03/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/18/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	< 0.010	< 0.50	< 1.0	< 2.0	< 10	< 2.0	< 2.0	---	---	< 0.10	< 0.10
	05/05/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	---	---	< 1.0	---	---	---	---	< 1.00	---	< 0.10	< 0.10
	08/17/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	---	---	---	---	---	---	---	---	---	---	---
	12/16/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	---	---	---	---	---	---	---	---	---	---	---
	02/25/11	< 100	< 97.1	383	< 1.00	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 20.0	< 1.00	< 1.00	---	---	---	---
	08/11/11	< 100	< 96.2	< 240	< 1.00	< 1.00	< 1.00	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	02/07/12	< 100	< 96.2	< 240	< 1.00	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 10.0	< 1.00	< 1.00	---	---	---	---
	07/31/12	< 100	< 94.3	< 94.3	< 1.00	< 1.00	< 1.00	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	01/22/13	< 100	< 95.2	< 95.2	< 1.00	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	08/07/13	< 100	< 100	< 100	< 1.00	< 1.00	< 1.00	< 2.00	---	---	---	---	---	---	---	---	---	---	---
	03/24/14	< 100	< 93.9	< 93.9	< 1.00	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	08/27/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	01/21/15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/29/15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/04/16	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/02/16	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/23/17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/24/17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/07/18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	04/10/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/24/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	01/27/98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	04/29/98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/28/98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/21/98	< 50	< 250	NA	< 0.5	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---

Table 2

Summary of Groundwater Monitoring Analytical Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

		Total Petroleum Hydrocarbons (µg/L)			Primary VOCs (µg/L)						Oxygenates (µg/L)					Total Metals (µg/L)		Secondary VOCs (µg/L)	
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method A Cleanup Levels		800/1000[1]	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	01/20/99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	04/22/99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/21/99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/26/99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/23/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/31/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/22/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	11/08/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/14/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	04/19/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/07/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	11/01/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/20/02	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	05/14/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/22/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/03/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/06/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	06/12/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	09/16/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/17/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	03/23/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/07/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/15/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/13/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/15/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/13/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/27/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/19/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/20/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/02/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/08/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/08/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/27/07	< 50.0	< 240	< 481	< 0.500	< 0.500	< 0.500	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	09/26/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/27/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/27/08	< 50	< 250	< 500	< 1	< 1	< 1	< 1	---	---	< 1	< 1	< 5	< 1	< 1	---	---	---	---
	06/25/08	< 50	< 250	590	< 1	< 1	< 1	< 1	---	---	< 1	---	---	---	---	---	---	---	---
	10/01/08	< 50	310	< 500	< 1	< 1	< 1	< 1	---	---	< 1	---	---	---	---	---	---	---	---
	12/11/08	< 50	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	03/10/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/27/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/01/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/03/09	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	< 0.010	< 0.50	---	---	---	---	---	---	---	---	---
	02/18/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	< 0.010	< 0.50	< 1.0	< 2.0	< 10	< 2.0	< 2.0	---	---	< 0.10	< 0.10
	05/05/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	---	---	< 1.0	---	---	---	---	2.63	---	< 0.10	< 0.10

Table 2

Summary of Groundwater Monitoring Analytical Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

		Total Petroleum Hydrocarbons (µg/L)			Primary VOCs (µg/L)						Oxygenates (µg/L)					Total Metals (µg/L)		Secondary VOCs (µg/L)	
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method A Cleanup Levels		800/1000[1]	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	08/17/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	---	---	---	---	---	---	---	---	---	---	---
	12/16/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	---	---	---	---	---	---	---	---	---	---	---
	02/25/11	< 100	< 95.2	**1,790**	< 1.00	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 20.0	< 1.00	< 1.00	---	---	---	---
	08/11/11	< 100	< 100	< 250	< 1.00	< 1.00	< 1.00	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	02/07/12	< 100	< 95.2	< 238	< 1.00	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 10.0	< 1.00	< 1.00	---	---	---	---
	07/31/12	< 100	< 94.3	489	< 1.00	< 1.00	< 1.00	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	01/22/13	< 100	< 95.2	< 95.2	< 1.00	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	08/07/13	< 100	< 100	< 100	< 1.00	< 1.00	< 1.00	< 2.00	---	---	---	---	---	---	---	---	---	---	---
	03/24/14	< 100	< 93.9	136	< 1.00	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	08/27/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	01/21/15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/29/15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/04/16	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/02/16	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/23/17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/24/17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/07/18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	04/10/97	55.1	< 250	---	**28.1**	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	07/24/97	354	348	---	**49.4**	0.78	< 0.5	1.85	---	---	---	---	---	---	---	---	---	---	---
	11/06/97	**24,100**	462	---	**6870**	**4,870**	342	**1,970**	---	---	---	---	---	---	---	---	---	---	---
	01/27/98	**18,200**	373	---	**4660**	**3,670**	304	**1,600**	---	---	---	---	---	---	---	---	---	---	---
	04/29/98	**33,700**	**1,970**	---	**4730**	**5,190**	496	**2,600**	---	---	---	---	---	---	---	---	---	---	---
	07/28/98	**58,200**	400	---	**6160**	**8,230**	**1,190**	**6,200**	---	---	---	---	---	---	---	---	---	---	---
	10/21/98	**7,050**	< 250	---	**1780**	946	256	849	---	---	---	---	---	---	---	---	---	---	---
	01/20/99	**2,300**	< 250	---	**868**	222	102	226	---	---	---	---	---	---	---	---	---	---	---
	04/22/99	**18,000**	299	---	**3600**	**3,490**	488	**2,330**	---	---	---	---	---	---	---	---	---	---	---
	07/21/99	**41,200**	272	---	**6840**	**6,590**	**1,090**	**5,300**	---	---	---	---	---	---	---	---	---	---	---
	10/26/99	**55,400**	405	---	**7780**	**8,270**	**1,350**	**6,970**	---	---	---	---	---	---	---	---	---	---	---
	02/23/00	**5,970**	< 250	---	**1370**	416	280	838	---	---	---	---	---	---	---	---	---	---	---
	05/31/00	**34,500**	295	---	**3250**	**4,430**	**1,020**	**4,990**	---	---	---	---	---	---	---	---	---	---	---
	08/22/00	**50,300**	318	---	**5500**	**6,900**	**1,440**	**7,450**	---	---	---	---	---	---	---	---	---	---	---
	11/08/00	**22,400**	**836**	< 500	**3480**	**2,990**	**778**	**3,750**	---	---	---	---	---	---	---	---	---	---	---
	02/14/01	**12,200**	< 250	< 500	**1660**	**1,260**	463	**1,980**	---	---	---	---	---	---	---	---	---	---	---
	04/19/01	**18,500**	301	< 500	**3230**	**2,020**	691	**2,990**	---	---	---	---	---	---	---	---	---	---	---
	08/07/01	**21,100**	**923**	< 500	**3580**	**1,810**	**841**	**3,920**	---	---	---	---	---	---	---	---	---	---	---
	11/01/01	**19,700**	< 250	< 500	**2860**	**1,050**	**841**	**3,000**	---	---	---	---	---	---	---	---	---	---	---
	03/20/02	**12,800**	295	< 500	**2510**	**1,130**	458	**1,240**	---	---	---	---	---	---	---	---	---	---	---
	05/14/02	**21,100**	330	< 500	**3930**	**2,100**	**759**	**3,300**	---	---	---	---	---	---	---	---	---	---	---
	08/22/02	**14,000 / 15,000**	**700 / 700**	< 750 / < 750	**2,300 / 2,300**	**1,100 / 1,100**	400 / 410	**2,030 / 2,040**	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---
	12/03/02	**24,000**	< 250	< 750	**2500**	910	**710**	**2,830**	---	---	---	---	---	---	---	---	---	---	---
	03/06/03	**4,200**	370	< 1,000	**1100**	48	280	600	---	---	---	---	---	---	---	---	---	---	---
	06/12/03	**32,000**	**530**	< 500	**5500**	**1,200**	**1,300**	**4,820**	---	---	---	---	---	---	---	---	---	---	---
	09/16/03	**19,000**	**720**	< 500	**3100**	340	**990**	**3,350**	---	---	---	---	---	---	---	---	---	---	---
	12/17/03	**4,700**	440	< 500	**1400**	51	320	621	---	---	---	---	---	---	---	---	---	---	---
	03/23/04	**19,000**	**570**	< 500	**3200**	**1,000**	**790**	**2,930**	---	---	---	---	---	---	---	---	---	---	---

Table 2

Summary of Groundwater Monitoring Analytical Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

		Total Petroleum Hydrocarbons (µg/L)			Primary VOCs (µg/L)						Oxygenates (µg/L)					Total Metals (µg/L)		Secondary VOCs (µg/L)	
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method A Cleanup Levels		800/1000[1]	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	07/07/04	**29,000**	**1,800**	< 500	**3900**	860	**1,000**	**4,060**	---	---	---	---	---	---	---	---	---	---	---
	09/15/04	**29,000**	**4,800**	< 1,000	**4600**	350	**1,300**	**4,500**	---	---	---	---	---	---	---	---	---	---	---
	12/13/04	**16,000**	< 250	< 500	**2100**	160	**960**	**2,460**	---	---	---	---	---	---	---	---	---	---	---
	03/15/05	**14,000 / 14,000**	260 / 260	< 500 / < 500	**1,300 / 1,300**	210 / 200	**1,100 / 1,100**	**2,310 / 2,210**	---	---	---	---	---	---	---	---	---	---	---
	06/13/05	**20,000**	< 250	< 500	**1800**	390	**1,500**	**3,790**	---	---	---	---	---	---	---	---	---	---	---
	09/27/05	**19,000 / 19,000**	< 250 / 280	< 500 / < 520	**2,100 / 2,000**	320 / 320	**1,500 / 1,400**	**3,800 / 3,580**	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---
	12/19/05	**18,600**	425	< 485	**1790**	194	**1,410**	**2,680**	---	---	---	---	---	---	---	---	---	---	---
	03/20/06	**8,980**	< 236	< 472	**522**	109	**745**	961	---	---	---	---	---	---	---	---	---	---	---
	05/02/06	**21,400**	246	< 476	**1300**	557	**1,500**	**3,230**	---	---	---	---	---	---	---	---	---	---	---
	12/08/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/08/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/27/07	**26,900**	**2,000**	490	**1480**	323	**1,730**	**3,760**	---	---	---	---	---	---	---	---	---	---	---
	09/26/07	**16,700**	257	< 472	**1890**	289	**2,060**	< 300	---	---	< 5.00	< 1.00	< 50.0	< 1.00	< 1.00	---	< 250	---	---
	12/27/07	**7,870**	**681**	**1,300**	**417**	88.7	603	989	---	---	---	---	---	---	---	---	---	---	---
	03/27/08	**12,000**	< 250	< 500	**340**	120	**930**	**1,365**	---	---	< 1	< 1	8.6	< 1	< 1	---	---	---	---
	06/25/08	**13,000**	450	**510**	**320**	140	**920**	**1,762**	---	---	< 10	---	---	---	---	---	---	---	---
	10/01/08	**11,000**	410	< 500	**330**	100	**810**	**1,323**	---	---	< 20	---	---	---	---	---	---	---	---
	12/11/08	**7,500**	< 250	< 500	**130**	61	540	892	---	---	---	---	---	---	---	---	---	---	---
	03/10/09	**6,000**	< 100	< 100	**85**	23	370	480	---	---	< 1.0	< 2.0	< 10	< 2.0	< 2.0	---	---	---	---
	05/27/09	**4,900**	< 100	< 100	**110**	41	390	500	---	---	---	---	---	---	---	---	---	---	---
	09/01/09	**6,800**	**1,600**	< 100	**130**	25	300	440	---	---	---	---	---	---	---	---	---	---	---
	12/03/09	**4,400**	**1,700**	< 100	**76**	17	270	270	< 0.010	< 1.0	---	---	---	---	---	---	---	---	---
	02/18/10	**4,100**	**1,700**	< 100	**100**	25	400	410	< 0.010	< 1.0	< 2.0	< 4.0	< 20	< 4.0	< 4.0	---	---	111	< 2.5
	05/05/10	**5,200**	**1,700**	150	**140**	36	610	930	---	---	< 1.0	---	---	---	---	4.51	---	38	< 1.0
	08/17/10	**4,900**	**2,300**	< 100	**150**	32	450	610	---	---	---	---	---	---	---	---	---	---	---
	12/16/10	**4,100**	**1,800**	170	**120**	20	470	470	---	---	---	---	---	---	---	---	---	---	---
	02/25/11	**7,650**	**1,720**	**8,160**	**81.5**	16.9	557	509	---	---	< 1.00	< 1.00	< 20.0	< 1.00	< 1.00	---	---	---	---
	08/11/11	**13,400**	**1,170**	**834**	**418**	45.4	**816**	**1,140**	---	---	---	---	---	---	---	---	---	---	---
	02/07/12	**4,880**	**1,100**	362	**83.8**	11.9	451	459	---	---	< 1.00	< 1.00	< 10.0	< 1.00	< 1.00	---	---	---	---
	07/31/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/01/12	**12,000**	**1,880**	408	**184**	34.9	**857**	**1,140**	---	---	---	---	---	---	---	---	---	---	---
	01/22/13	**5,240**	**826**	165	**89.0**	8.35	360	169	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	08/07/13	**2,090**	**1,230**	**513**	**171**	22.2	**792**	**1,130**	---	---	---	---	---	---	---	---	---	---	---
	03/24/14	**6,160**	**1,150**	**1,900**	**52.2**	8.56	407	198	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	08/27/14	**7,990**	**1,780**	**1,570**	**167**	25.4	**923**	885	---	---	---	---	---	---	---	---	---	---	---
	01/21/15	**5,010**	**1,160**	285	**68.1**	8.82	292	124	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	06/29/15	**9,510**	**1,210**	236	**148**	20.9	543	589	---	---	---	---	---	---	---	---	---	---	---
	02/04/16	**2,600**	**689**	< 285	**41.6**	4.51	197	49.9	---	---	---	---	---	---	---	---	---	---	---
	08/09/16	**5,180**	**1,180**	372	**162**	17.4	493	437	---	---	---	---	---	---	---	---	---	---	---
	02/23/17	**2,500**	**723**	65.2 J	**32.0**	5.21	183	104	---	---	< 0.170	< 0.170	< 3.90	< 0.170	< 0.210	---	---	---	---
	08/24/17	**4,580**	**1,210**	481	**68.1**	11.9	284	272	---	---	---	---	---	---	---	---	---	---	---
	02/07/18	**2,780**	**629**	< 119	**30.2**	4.98	132	44.9	---	---	< 0.170	< 0.170	< 3.90	< 0.170	< 0.210	---	---	---	---
MW-7	04/10/97	< 50	< 250	---	< 0.5	< 1	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	07/24/97	< 50	< 250	---	< 0.5	< 1	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	11/06/97	< 50	< 250	---	< 0.5	< 1	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---

Table 2

Summary of Groundwater Monitoring Analytical Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

		Total Petroleum Hydrocarbons (µg/L)			Primary VOCs (µg/L)						Oxygenates (µg/L)					Total Metals (µg/L)		Secondary VOCs (µg/L)	
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method A Cleanup Levels		800/1000[1]	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	01/27/98	< 50	< 250	---	< 0.5	< 1	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	04/29/98	< 50	< 250	---	< 0.5	0.56	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	07/28/98	< 50	< 250	---	< 0.5	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	10/21/98	< 50	< 250	---	< 0.5	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	01/20/99	< 50	< 250	---	< 0.5	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	04/22/99	< 50	< 250	---	< 0.5	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	07/21/99	< 50	< 250	---	< 0.5	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	10/26/99	< 50	< 311	---	< 0.5	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	02/23/00	< 50	< 509	---	< 0.5	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	05/31/00	< 50	< 250	---	< 0.5	0.79	< 0.5	1.48	---	---	---	---	---	---	---	---	---	---	---
	08/22/00	< 50	< 494	---	< 0.5	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	11/08/00	< 50	< 295	< 590	< 0.5	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	02/14/01	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	04/19/01	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	08/07/01	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	11/01/01	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	03/20/02	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	05/14/02	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	08/22/02	< 250	< 250	< 750	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	12/03/02	< 250	< 250	< 750	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	03/06/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	06/12/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	09/16/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	12/17/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	03/23/04	< 250	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	07/07/04	< 250	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	09/15/04	< 250	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	12/13/04	< 250	< 250	< 500	< 1	< 1	< 1	2.4	---	---	---	---	---	---	---	---	---	---	---
	03/15/05	< 250	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	06/13/05	< 50	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	09/27/05	< 50	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	12/19/05	< 50.0	< 240	< 481	< 0.500	< 0.500	< 0.500	< 1.00	---	---	---	---	---	---	---	---	---	---	---
	03/20/06	< 50.0	< 236	< 472	< 0.500	< 0.500	< 0.500	< 1.00	---	---	---	---	---	---	---	---	---	---	---
	05/02/06	< 50.0	< 238	< 476	< 0.500	< 0.500	< 0.500	< 1.00	---	---	---	---	---	---	---	---	---	---	---
	12/08/06	< 50.0	< 245	< 490	< 0.500	< 0.500	< 0.500	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	03/08/07	< 50.0	< 250	< 500	< 0.500	< 0.500	< 0.500	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	06/27/07	< 50.0	< 240	< 481	< 0.500	< 0.500	< 0.500	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	09/26/07	< 50.0	< 236	< 472	< 0.500	< 0.500	< 0.500	< 3.00	---	---	< 5.00	< 1.00	< 50.0	< 1.00	< 1.00	---	< 250	---	---
	12/27/07	< 50.0	< 236	< 472	< 0.500	< 0.500	< 0.500	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	03/27/08	Not Sampled - Too much traffic		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/25/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/01/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/11/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/10/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/27/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 2

Summary of Groundwater Monitoring Analytical Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

		Total Petroleum Hydrocarbons (µg/L)			Primary VOCs (µg/L)						Oxygenates (µg/L)					Total Metals (µg/L)		Secondary VOCs (µg/L)	
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method A Cleanup Levels		800/1000[1]	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	09/01/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/03/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/18/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/04/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/16/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/25/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/11/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/07/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/31/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	01/22/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/07/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/24/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/27/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	01/21/15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/29/15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/04/16	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/02/16	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/23/17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/24/17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/07/18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	04/10/97	**1,140**	< 250	---	**854**	365	22.3	115	---	---	---	---	---	---	---	---	---	---	---
	07/24/97	**78,300**	**7,330**	---	**16,900**	**14,100**	**1,020**	**5,130**	---	---	---	---	---	---	---	---	---	---	---
	11/06/97	**61,500**	**775**	---	**11,400**	**15,100**	**1,110**	**6,390**	---	---	---	---	---	---	---	---	---	---	---
	01/27/98	**35,100**	**3,560**	---	**2150**	**3,700**	398	**3,790**	---	---	---	---	---	---	---	---	---	---	---
	04/29/98	**36,300**	**4,390**	---	**6230**	**1,470**	283	**2,920**	---	---	---	---	---	---	---	---	---	---	---
	07/28/98	**209,000**	**172,000**	---	**3380**	663	247	**2,270**	---	---	---	---	---	---	---	---	---	---	---
	10/21/98	**13,100**	**23,200**	---	**764**	109	53	287	---	---	---	---	---	---	---	---	---	---	---
	01/20/99	**4,410**	**3,010**	---	**135**	9.5	71	136	---	---	---	---	---	---	---	---	---	---	---
	04/22/99	**2,040**	**2,460**	---	**299**	76	19	252	---	---	---	---	---	---	---	---	---	---	---
	07/21/99	**2,430**	**1,670**	---	**462**	41	91	147	---	---	---	---	---	---	---	---	---	---	---
	10/26/99	**2,000**	**2,140**	---	**309**	34	81	108	---	---	---	---	---	---	---	---	---	---	---
	02/23/00	**858**	**2,040**	---	**9.09**	5.5	3.6	22	---	---	---	---	---	---	---	---	---	---	---
	05/31/00	**1,290**	**2,570**	---	**46.6**	4.4	4.8	19	---	---	---	---	---	---	---	---	---	---	---
	08/22/00	**1,230**	**1,360**	---	**368**	19	40	40	---	---	---	---	---	---	---	---	---	---	---
	11/08/00	**898**	**2,210**	< 622	**172**	14	56	54	---	---	---	---	---	---	---	---	---	---	---
	02/14/01	388	**1,720**	< 500	**38.6**	4.2	2.4	12	---	---	---	---	---	---	---	---	---	---	---
	04/19/01	302	**1,200**	< 500	**33.4**	2.2	7.6	6.9	---	---	---	---	---	---	---	---	---	---	---
	08/07/01	511	397	< 500	**195**	1.4	16	6.1	---	---	---	---	---	---	---	---	---	---	---
	11/01/01	273	**5,630**	**2,320**	**61.5**	< 0.5	4.3	< 1	---	---	---	---	---	---	---	---	---	---	---
	03/20/02	**1,860**	**5,160**	**1,030**	**369**	147	52	238	---	---	---	---	---	---	---	---	---	---	---
	05/14/02	106	362	< 500	**9.75**	3.1	6.4	16	---	---	---	---	---	---	---	---	---	---	---
	08/22/02	**1,000**	**3,300**	< 7,500	**25**	2.0	46	21	---	---	---	---	---	---	---	---	---	---	---
	12/03/02	< 250	270	< 750	3	< 1	12	< 1	---	---	---	---	---	---	---	---	---	---	---
	03/06/03	< 250	< 250	< 500	**19**	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	06/11/03	300	< 250	< 500	**83**	6.1	12	34	---	---	---	---	---	---	---	---	---	---	---

Table 2

Summary of Groundwater Monitoring Analytical Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

		Total Petroleum Hydrocarbons (µg/L)			Primary VOCs (µg/L)						Oxygenates (µg/L)					Total Metals (µg/L)		Secondary VOCs (µg/L)	
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method A Cleanup Levels		800/1000[1]	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	09/16/03	< 250	< 250	< 500	**15**	< 1	6.7	6.2	---	---	---	---	---	---	---	---	---	---	---
	12/17/03	< 250	< 250	< 500	**5**	< 1	1.2	< 1	---	---	---	---	---	---	---	---	---	---	---
	03/23/04	< 250	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	07/07/04	< 250	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	09/15/04	< 250	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	12/13/04	< 250	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	03/15/05	< 250	< 250	< 500	**10**	< 1	19	5.1	---	---	---	---	---	---	---	---	---	---	---
	06/13/05	140	< 250	< 500	3.2	2.7	3	24.2	---	---	---	---	---	---	---	---	---	---	---
	09/27/05	**800**	< 250	< 500	**28**	8.3	52	46	---	---	---	---	---	---	---	---	---	---	---
	12/19/05	**2,910**	**552**	< 481	**331**	25.3	221	276	---	---	---	---	---	---	---	---	---	---	---
	03/20/06	< 50.0 / < 50.0	< 236 / < 236	< 472 / < 472	< 0.500 / < 0.500	< 0.500 / < 0.500	< 0.500 / < 0.500	< 1.00 / < 1.00	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---
	05/02/06	< 50.0	< 236	< 472	0.887	< 0.500	< 0.500	< 1.00	---	---	---	---	---	---	---	---	---	---	---
	12/08/06	< 50.0	< 263	< 526	< 0.500	< 0.500	< 0.500	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	03/08/07	< 50.0	< 245	< 490	< 0.500	< 0.500	< 0.500	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	06/27/07	< 50.0	< 240	< 481	< 0.500	< 0.500	< 0.500	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	09/26/07	50.4	< 236	< 472	0.84	< 0.500	< 0.500	< 3.00	---	---	< 5.00	< 1.00	< 50.0	< 1.00	< 1.00	---	< 250	---	---
	12/27/07	< 50.0	< 236	< 472	0.65	< 0.500	1.48	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	03/27/08	< 50	< 250	< 500	< 1	< 1	< 1	< 1	---	---	< 1	< 1	< 5	< 1	< 1	---	---	---	---
	06/25/08	< 50	**790**	< 1,000	< 1	< 1	< 1	< 1	---	---	< 1	---	---	---	---	---	---	---	---
	10/01/08	< 50	**1,100**	< 500	< 1	< 1	< 1	< 1	---	---	< 1	---	---	---	---	---	---	---	---
	12/11/08	< 50	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	03/10/09	< 100	150	< 100	< 0.50	< 1.0	< 1.0	< 1.0	---	---	< 1.0	< 2.0	< 10	< 2.0	< 2.0	---	---	---	---
	05/27/09	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	---	---	---	---	---	---	---	---	---	---	---
	09/01/09	**2,400**	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	---	---	---	---	---	---	---	---	---	---	---
	12/03/09	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	< 0.01	< 0.50	---	---	---	---	---	---	---	---	---
	02/18/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	< 0.010	< 0.50	< 1.0	< 2.0	< 10	< 2.0	< 2.0	---	---	< 0.10	< 0.10
	05/05/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	---	---	< 1.0	---	---	---	---	1.01	---	< 0.10	< 0.10
	08/17/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/16/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/25/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/11/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/07/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/31/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	01/22/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/07/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/24/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/27/14	< 100	472	< 93.9	< 1.00	< 1.00	< 1.00	< 2.00	---	---	---	---	---	---	---	---	---	---	---
	01/21/15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	01/22/15	< 100	< 93.9	< 93.9	< 1.00	< 1.00	1.28	2.66	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	06/29/15	< 100	< 93.0	< 93.0	< 1.00	< 1.00	< 1.00	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	02/04/16	< 17.8	< 189	< 284	< 0.0320	< 0.0380	< 0.0860	< 0.0160	---	---	---	---	---	---	---	---	---	---	---
	08/02/16	< 17.8	48.5 J	< 60.8	< 0.0930	< 0.312	< 0.198	< 0.162	---	---	---	---	---	---	---	---	---	---	---
	02/23/17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/24/17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/07/18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 2

Summary of Groundwater Monitoring Analytical Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

		Total Petroleum Hydrocarbons (µg/L)			Primary VOCs (µg/L)						Oxygenates (µg/L)					Total Metals (µg/L)		Secondary VOCs (µg/L)	
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method A Cleanup Levels		800/1000[1]	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
MW-9	07/31/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/25/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/27/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	01/21/15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/18/15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/05/15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/17/15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/29/15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/04/16	< 17.8	< 190	< 285	< 0.0320	0.146 J	< 0.0860	< 0.0160	---	---	---	---	---	---	---	---	---	---	---
	08/02/16	Insufficient water to sample		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/23/17	< 70.4	< 42.4	< 63.7	< 0.200	< 0.170	< 0.190	< 0.580	---	---	< 0.170	< 0.170	< 3.90	< 0.170	< 0.210	---	---	---	---
	08/24/17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/07/18	< 70.4	< 109	< 119	< 0.200	< 0.170	< 0.190	< 0.580	---	---	< 0.170	< 0.170	< 3.90	< 0.170	< 0.210	---	---	---	---
VP-1	12/03/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/06/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/12/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/16/03	260	**620**	< 500	2.4	< 1	1.2	6.6	---	---	---	---	---	---	---	---	---	---	---
	12/17/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/23/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/07/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/15/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/13/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/15/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/13/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/27/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/19/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/20/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/02/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/08/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/08/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/27/07	< 50.0	< 240	< 481	< 0.500	< 0.500	< 0.500	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	09/26/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 2

Summary of Groundwater Monitoring Analytical Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

		Total Petroleum Hydrocarbons (µg/L)			Primary VOCs (µg/L)						Oxygenates (µg/L)					Total Metals (µg/L)		Secondary VOCs (µg/L)	
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method A Cleanup Levels		800/1000[1]	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	12/27/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/27/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/25/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/01/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/11/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/10/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/27/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/01/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/03/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/18/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	< 0.010	< 0.50	< 1.0	< 2.0	< 10	< 2.0	< 2.0	---	---	< 0.10	< 0.10
	05/04/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	---	---	---	---	---	---	---	---	---	< 0.10	< 0.10
	08/17/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	---	---	---	---	---	---	---	---	---	---	---
	12/16/10	< 100	100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	---	---	---	---	---	---	---	---	---	---	---
	02/25/11	< 100	< 96.2	< 96.2	< 1.00	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 20.0	< 1.00	< 1.00	---	---	---	---
	08/11/11	< 100	< 97.1	< 243	< 1.00	< 1.00	< 1.00	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	02/07/12	< 100	< 98.0	< 245	< 1.00	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 10.0	< 1.00	< 1.00	---	---	---	---
	07/31/12	< 100	**613**	< 94.3	< 1.00	< 1.00	< 1.00	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	01/22/13	< 100	109	< 95.2	< 1.00	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	08/07/13	< 100	285	233	< 1.00	< 1.00	< 1.00	< 2.00	---	---	---	---	---	---	---	---	---	---	---
	03/24/14	< 100	**3,460**	455	< 1.00	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	08/27/14	< 100	195	< 93.9	< 1.00	< 1.00	< 1.00	< 2.00	---	---	---	---	---	---	---	---	---	---	---
	01/21/15	< 100	115	< 93.9	< 1.00	< 1.00	< 1.00	< 2.00	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	06/29/15	< 100	**837**	122	< 1.00	< 1.00	< 1.00	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	02/04/16	< 17.8	292	< 286	< 0.0320	< 0.0380	< 0.0860	< 0.0160	---	---	---	---	---	---	---	---	---	---	---
	08/02/16	< 17.8	85.0 J	< 60.7	< 0.0930	< 0.312	< 0.198	< 0.162	---	---	---	---	---	---	---	---	---	---	---
	02/23/17	< 70.4	< 40.8	< 61.2	< 0.200	< 0.170	< 0.190	< 0.580	---	---	< 0.170	< 0.170	< 3.90	< 0.170	< 0.210	---	---	---	---
	08/24/17	< 70.4	< 163	< 130	< 0.0930	< 0.312	< 0.198	< 0.442	---	---	---	---	---	---	---	---	---	---	---
	02/07/18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VP-2	04/10/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/24/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	01/27/98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	04/29/98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/28/98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/21/98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	01/20/99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	04/22/99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/21/99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/26/99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/23/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/31/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/22/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 2

Summary of Groundwater Monitoring Analytical Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

		Total Petroleum Hydrocarbons (µg/L)			Primary VOCs (µg/L)						Oxygenates (µg/L)					Total Metals (µg/L)		Secondary VOCs (µg/L)	
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method A Cleanup Levels		800/1000[1]	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	11/08/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/14/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	04/19/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/07/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	11/01/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/20/02	202	**2,560**	< 500	**41.3**	3.5	1.2	4.6	---	---	---	---	---	---	---	---	---	---	---
	05/14/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/22/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/03/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/06/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/11/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/16/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/17/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/23/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/07/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/15/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/13/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/15/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/13/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/27/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/19/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/20/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/02/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/08/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/08/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/27/07	334	< 240	< 481	**19.4**	0.520	1.13	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	09/26/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/27/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/27/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/25/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/01/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/11/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/10/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/27/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/01/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/03/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/18/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/04/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	---	---	---	---	---	---	---	---	---	---	---
	08/17/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	---	---	---	---	---	---	---	---	---	---	---
	12/16/10	< 100	160	< 100	< 0.50	< 1.0	< 1.0	< 1.0	---	---	---	---	---	---	---	---	---	---	---
	02/25/11	< 100	136	120	< 1.00	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 20.0	< 1.00	< 1.00	---	---	---	---
	08/11/11	< 100	< 100	< 250	< 1.00	< 1.00	< 1.00	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	02/07/12	< 100	166	< 240	< 1.00	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 10.0	< 1.00	< 1.00	---	---	---	---
	07/31/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/01/12	< 100	195	< 94.3	< 1.00	< 1.00	< 1.00	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	01/22/13	< 100	262	< 95.2	< 1.00	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	08/07/13	< 100	139	< 100	< 1.00	< 1.00	< 1.00	< 2.00	---	---	---	---	---	---	---	---	---	---	---

Table 2

Summary of Groundwater Monitoring Analytical Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

		Total Petroleum Hydrocarbons (µg/L)			Primary VOCs (µg/L)						Oxygenates (µg/L)					Total Metals (µg/L)		Secondary VOCs (µg/L)	
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method A Cleanup Levels		800/1000[1]	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	03/24/14	< 100	139	322	< 1.00	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	08/27/14	< 100	115	< 93.9	< 1.00	< 1.00	< 1.00	< 2.00	---	---	---	---	---	---	---	---	---	---	---
	01/21/15	< 100	140	< 93.9	< 1.00	< 1.00	< 1.00	< 2.00	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	06/29/15	< 100	**6,290**	**808**	< 1.00	< 1.00	< 1.00	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	02/04/16	< 17.8	455	< 284	< 0.0320	< 0.0380	< 0.0860	< 0.0160	---	---	---	---	---	---	---	---	---	---	---
	08/02/16	< 17.8	124	< 60.8	< 0.0930	< 0.312	< 0.198	< 0.162	---	---	---	---	---	---	---	---	---	---	---
	02/23/17	< 70.4	42.4 J	< 61.5	< 0.200	< 0.170	< 0.190	< 0.580	---	---	< 0.170	< 0.170	< 3.90	< 0.170	< 0.210	---	---	---	---
	08/24/17	< 70.4	< 210	< 127	< 0.0930	< 0.312	< 0.198	< 0.442	---	---	---	---	---	---	---	---	---	---	---
	02/07/18	< 70.4	< 108	< 118	< 0.200	< 0.170	< 0.190	< 0.580	---	---	< 0.170	< 0.170	< 3.90	< 0.170	< 0.210	---	---	---	---
VP-3	04/10/97	**821**	**1,100**	---	**26.7**	5.5	1.05	10.6	---	---	---	---	---	---	---	---	---	---	---
	07/24/97	**1,380**	**5,040**	---	**25**	3.58	1.32	8.6	---	---	---	---	---	---	---	---	---	---	---
	11/06/97	**1,130**	**1,760**	---	**436**	7.89	1.82	11.7	---	---	---	---	---	---	---	---	---	---	---
	01/27/98	**1,950**	**2,230**	---	**968**	10.3	3.32	17.4	---	---	---	---	---	---	---	---	---	---	---
	04/29/98	**3,860**	**2,100**	---	**1,820**	74.3	7.51	18.9	---	---	---	---	---	---	---	---	---	---	---
	07/28/98	**1,670**	**4,460**	---	**729**	< 10	< 10	< 20	---	---	---	---	---	---	---	---	---	---	---
	10/21/98	**6,280**	**9,910**	---	**817**	46.8	13.8	29.3	---	---	---	---	---	---	---	---	---	---	---
	01/20/99	**2,890**	**1,340**	---	**259**	31.8	5.82	34.2	---	---	---	---	---	---	---	---	---	---	---
	04/22/99	604	< 250	---	**10.5**	1.22	< 0.62	< 3.5	---	---	---	---	---	---	---	---	---	---	---
	07/21/99	568	371	---	**12.5**	< 0.5	< 0.56	< 2.76	---	---	---	---	---	---	---	---	---	---	---
	10/26/99	**2,970**	**521**	---	**92.9**	3.28	2.5	10.3	---	---	---	---	---	---	---	---	---	---	---
	02/23/00	**7,950**	**4,840**	---	**1100**	32.2	< 25	< 50	---	---	---	---	---	---	---	---	---	---	---
	05/31/00	**4,310**	**3,680**	---	**301**	8.74	17.3	26.1	---	---	---	---	---	---	---	---	---	---	---
	08/22/00	**4,360**	**887**	---	**271**	< 5	8.49	11.7	---	---	---	---	---	---	---	---	---	---	---
	11/08/00	**8,920**	**2,820**	< 597	**1,610**	**1,040**	53.2	222	---	---	---	---	---	---	---	---	---	---	---
	02/14/01	**3,640**	**2,390**	< 500	**179**	24.2	8.55	< 26	---	---	---	---	---	---	---	---	---	---	---
	04/19/01	**2,590**	**5,690**	**1,040**	**186**	< 2.5	5.76	7.8	---	---	---	---	---	---	---	---	---	---	---
	08/07/01	**1,190**	**8,960**	**1,640**	**150**	13.4	< 2.5	6.5	---	---	---	---	---	---	---	---	---	---	---
	11/01/01	594	**3,010**	**729**	**31.6**	0.718	< 0.50	1.81	---	---	---	---	---	---	---	---	---	---	---
	03/20/02	**4,520**	**6,790**	**1,270**	**233**	< 5	16.9	15.2	---	---	---	---	---	---	---	---	---	---	---
	05/14/02	**3,220**	**8,730**	**2,310**	**46.2**	3.82	6.11	17.3	---	---	---	---	---	---	---	---	---	---	---
	08/22/02	**6,700**	**2,000**	< 750	**230**	3	10	9	---	---	---	---	---	---	---	---	---	---	---
	12/03/02	700	< 250	< 750	**35**	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	03/06/03	**4,200**	**520**	< 500	**290**	5.2	18	5.5	---	---	---	---	---	---	---	---	---	---	---
	06/12/03	**6,300**	**670**	< 500	**340**	< 1	17	5.2	---	---	---	---	---	---	---	---	---	---	---
	09/16/03	**1,700**	< 250	< 500	**320**	190	1.5	29	---	---	---	---	---	---	---	---	---	---	---
	12/17/03	**1,000**	**2,200**	< 500	**75**	12	< 1	20.1	---	---	---	---	---	---	---	---	---	---	---
	03/23/04	**2,900 / 2,800**	**3,100 / 3,700**	< 500 / < 500	**280 / 280**	15 / 14	4.7 / 4.4	15.5 / 17	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---
	07/07/04	710	**3,700**	< 500	**51**	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	09/15/04	**830**	**11,000**	< 2,500	**160**	< 1	< 1	3	---	---	---	---	---	---	---	---	---	---	---
	12/13/04	510	**860**	< 500	**120**	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	03/15/05	**2,400**	**1,400**	**550**	**250**	1.5	10	7.8	---	---	---	---	---	---	---	---	---	---	---
	06/13/05	**2,100**	**1,100**	< 500	**330**	1.5	9.1	4.5	---	---	---	---	---	---	---	---	---	---	---
	09/27/05	**1,400**	**550**	< 500	**300**	2.1	7.4	< 1	---	---	---	---	---	---	---	---	---	---	---
	12/19/05	**2,370 / 2,140**	**3,720 / 4,120**	< 485 / < 476	**178 / 173**	11.1 / 10.4	9.06 / 8.48	8.66 / 8.14	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---
	03/20/06	**2,440**	**6,360**	< 943	**160**	22.3	2.99	13	---	---	---	---	---	---	---	---	---	---	---
	05/02/06	Sheen present in well - no sample taken.			---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/08/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 2

Summary of Groundwater Monitoring Analytical Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

		Total Petroleum Hydrocarbons (µg/L)			Primary VOCs (µg/L)						Oxygenates (µg/L)					Total Metals (µg/L)		Secondary VOCs (µg/L)	
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method A Cleanup Levels		800/1000[1]	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	03/08/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/27/07	**3,630**	**795**	< 481	**229**	1.24	11.4	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	09/26/07	**3,980**	**2,980**	**1,960**	**269**	0.580	12.8	< 3.00	---	---	< 5.00	< 1.00	< 50.0	< 1.00	< 1.00	---	< 250	---	---
	12/27/07	**1,010**	**1,030**	**873**	< 0.500	< 0.500	< 0.500	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	03/27/08	**---**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/25/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/01/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/11/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/10/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/27/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/01/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/03/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/18/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/05/10	610	**760**	< 100	**85**	< 1.0	< 1.0	< 1.0	---	---	---	---	---	---	---	---	---	2.3	< 0.10
	08/17/10	**1,500**	**1,100**	< 100	**120**	< 1.0	3.9	< 1.0	---	---	---	---	---	---	---	---	---	---	---
	12/16/10	610	**590**	< 100	**42**	< 1.0	< 1.0	< 1.0	---	---	---	---	---	---	---	---	---	---	---
	02/25/11	**1,440**	**2,070**	**918**	**55.4**	< 1.00	1.15	< 3.00	---	---	< 1.00	< 1.00	< 20.0	< 1.00	< 1.00	---	---	---	---
	08/11/11	**2,490**	**1,410**	< 250	**129**	< 1.00	2.46	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	02/07/12	**1,730**	**2,270**	< 243	**50.3**	< 1.00	2.11	< 3.00	---	---	< 1.00	< 1.00	< 10.0	< 1.00	< 1.00	---	---	---	---
	07/31/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/01/12	**1,980**	**1,980**	198	**70.2**	< 1.00	3.81	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	01/22/13	**1,260**	**1,430**	110	**26.0**	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	08/07/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/24/14	**1,300**	**1,950**	166	**13.9**	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	08/27/14	**1,500**	**1,670**	< 93.9	**23.3**	< 1.00	1.47	< 2.00	---	---	---	---	---	---	---	---	---	---	---
	01/21/15	**908**	**2,500**	112	**13.2**	< 1.00	< 1.00	< 2.00	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	06/29/15	**868**	**2,040**	111	**17.6**	< 1.00	1.72	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	02/04/16	318	433	< 284	0.137 J	0.260 J	< 0.0860	< 0.0160	---	---	---	---	---	---	---	---	---	---	---
	08/02/16	453	**3,300**	154 J	**9.57**	0.541 J	0.780 J	0.564 J	---	---	---	---	---	---	---	---	---	---	---
	02/23/17	204	192	105 J	< 0.200	< 0.170	< 0.190	< 0.580	---	---	< 0.170	< 0.170	< 3.90	< 0.170	< 0.210	---	---	---	---
	08/24/17	335	**1,890**	173 J	0.607	3.12	< 0.198	< 0.442	---	---	---	---	---	---	---	---	---	---	---
	02/07/18	100 J	156 J	< 121	< 0.200	< 0.170	< 0.190	< 0.580	---	---	< 0.170	< 0.170	< 3.90	< 0.170	< 0.210	---	---	---	---
VP-4	12/03/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/06/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/12/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/16/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/17/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/23/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/07/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/15/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/13/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/15/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/13/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/27/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/19/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/20/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/02/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 2

Summary of Groundwater Monitoring Analytical Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

		Total Petroleum Hydrocarbons (µg/L)			Primary VOCs (µg/L)						Oxygenates (µg/L)					Total Metals (µg/L)		Secondary VOCs (µg/L)	
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method A Cleanup Levels		800/1000[1]	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	12/08/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/08/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/27/07	< 50.0	< 240	< 481	< 0.500	< 0.500	< 0.500	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	09/26/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/27/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/27/08	< 50	< 250	< 500	< 1	< 1	< 1	< 1	---	---	< 1	< 1	< 5	< 1	< 1	---	---	---	---
	06/25/08	< 50	< 250	< 500	< 1	< 1	< 1	< 1	---	---	< 1	---	---	---	---	---	---	---	---
	10/01/08	< 50	< 250	< 500	< 1	< 1	< 1	< 1	---	---	< 1	---	---	---	---	---	---	---	---
	12/11/08	< 50	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	03/10/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/27/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/01/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/03/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/18/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	< 0.010	< 0.50	< 1.0	< 2.0	< 10	< 2.0	< 2.0	---	---	< 0.10	< 0.10
	05/04/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/16/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/25/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/11/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/07/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/31/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	01/22/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/07/13	**1,070**	**2,150**	100	**38.0**	< 1.00	1.17	< 2.00	---	---	---	---	---	---	---	---	---	---	---
	03/24/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/27/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/02/14	< 100	< 94.3	< 94.3	< 1.00	< 1.00	< 1.00	< 2.00	---	---	---	---	---	---	---	---	---	---	---
	01/21/15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	01/22/15	< 100	97.5	< 93.9	< 1.00	< 1.00	< 1.00	< 2.00	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	06/29/15	< 100	< 93.0	< 93.0	< 1.00	< 1.00	< 1.00	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	02/04/16	< 17.8	< 190	< 285	< 0.0320	< 0.0380	< 0.0860	< 0.0160	---	---	---	---	---	---	---	---	---	---	---
	08/03/16	< 17.8	40.8 J	< 60.9	< 0.0930	< 0.312	< 0.198	< 0.162	---	---	---	---	---	---	---	---	---	---	---
	02/23/17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/24/17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/07/18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VP-5	04/10/97	**1,170**	**666**	---	1.99	0.569	2.41	2.93	---	---	---	---	---	---	---	---	---	---	---
	07/24/97	174	< 250	---	**7.13**	1.85	< 0.5	1	---	---	---	---	---	---	---	---	---	---	---
	11/06/07	111	< 250	---	**88.5**	1.63	< 0.5	3.14	---	---	---	---	---	---	---	---	---	---	---
	01/27/98	96.3	< 250	---	4.81	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	04/29/98	< 50	< 250	---	**23.5**	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	07/28/98	< 50	< 250	---	**5.17**	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	10/21/98	< 50	**2,660**	---	**74.7**	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	01/20/99	< 50	**2,460**	---	1.99	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	04/22/99	< 50	**755**	---	1.18	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	07/21/99	< 50	**673**	---	4.91	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	10/26/99	< 50	< 306	---	1.16	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	02/23/00	< 50	**1,330**	---	1.51	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	05/31/00	152	**3,410**	---	**6.86**	0.93	< 0.5	2.09	---	---	---	---	---	---	---	---	---	---	---
	08/22/00	< 50	< 250	---	< 0.5	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---

Table 2

Summary of Groundwater Monitoring Analytical Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

		Total Petroleum Hydrocarbons (µg/L)			Primary VOCs (µg/L)						Oxygenates (µg/L)					Total Metals (µg/L)		Secondary VOCs (µg/L)	
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method A Cleanup Levels		800/1000[1]	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	11/08/00	< 50	< 295	< 590	2.06	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	02/14/01	< 50	481	< 500	1.34	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	04/19/01	< 50	**1,360**	< 500	2.8	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	08/07/01	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	11/01/01	< 50	< 250	< 500	< 0.5	1.56	< 0.5	1.79	---	---	---	---	---	---	---	---	---	---	---
	03/20/02	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	---	---	---	---	---	---	---	---	---	---	---
	05/14/02	< 50	**1,100**	< 500	< 0.5	< 0.5	< 0.5	1.36	---	---	---	---	---	---	---	---	---	---	---
	08/22/02	< 250	< 250	< 750	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	12/03/02	< 250	< 250	< 750	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	03/06/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	06/11/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	09/16/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	12/17/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	03/23/04	< 250	260	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	07/07/04	**1,100**	**1,100**	< 500	< 1	< 1	< 1	1.5	---	---	---	---	---	---	---	---	---	---	---
	09/15/04	550 / 530	**4,800 / 1,100**	< 1,500 / < 500	< 1 / < 1	< 1 / < 1	< 1 / < 1	< 1 / < 1	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---
	12/13/04	< 250 / < 250	**770 / 710**	**2,400 / 2,100**	< 1 / < 1	< 1 / < 1	< 1 / < 1	< 1 / < 1	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---
	03/15/05	< 250	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	06/13/05	59 / 55	360 / 340	< 500 / < 500	< 1 / < 1	< 1 / < 1	< 1 / < 1	< 1 / < 1	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---
	09/27/05	< 50	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	12/19/05	< 50.0	< 240	< 481	< 0.500	< 0.500	< 0.500	< 1.00	---	---	---	---	---	---	---	---	---	---	---
	03/20/06	< 50.0	< 236	< 472	< 0.500	< 0.500	< 0.500	< 1.00	---	---	---	---	---	---	---	---	---	---	---
	05/02/06	< 50.0	< 238	< 476	< 0.500	< 0.500	< 0.500	< 1.00	---	---	---	---	---	---	---	---	---	---	---
	12/08/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/08/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/27/07	50.9	< 240	< 481	< 0.500	< 0.500	< 0.500	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	09/26/07	< 50.0	< 238	< 476	1.81	< 0.500	< 0.500	< 3.00	---	---	< 5.00	< 1.00	< 50.0	< 1.00	< 1.00	---	< 250	---	---
	12/27/07	< 50.0	< 236	< 472	**78.4**	36.0	2.21	9.49	---	---	---	---	---	---	---	---	---	---	---
	03/27/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/25/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/01/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/11/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/10/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/27/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/01/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/03/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/18/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/04/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/16/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/25/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/11/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/07/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/31/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	01/22/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/07/13	< 100	**915**	**509**	< 1.00	< 1.00	< 1.00	< 2.00	---	---	---	---	---	---	---	---	---	---	---
	03/24/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/25/14	< 100	**695**	< 93.9	< 1.00	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---

Table 2

Summary of Groundwater Monitoring Analytical Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

		Total Petroleum Hydrocarbons (µg/L)			Primary VOCs (µg/L)						Oxygenates (µg/L)					Total Metals (µg/L)		Secondary VOCs (µg/L)	
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method A Cleanup Levels		800/1000[1]	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	08/27/14	< 100	< 93.9	< 93.9	< 1.00	< 1.00	< 1.00	< 2.00	---	---	---	---	---	---	---	---	---	---	---
	01/21/15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	01/22/15	< 100	< 93.9	< 93.9	< 1.00	6.34	1.17	5.01	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	06/29/15	< 100	< 93.0	< 93.0	< 1.00	< 1.00	< 1.00	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	02/04/16	< 17.8	< 189	< 284	< 0.0320	< 0.0380	< 0.0860	< 0.0160	---	---	---	---	---	---	---	---	---	---	---
	08/03/16	< 17.8	51.1 J	< 62.2	< 0.0930	< 0.312	0.398 J	< 0.162	---	---	---	---	---	---	---	---	---	---	---
	02/23/17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/24/17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/07/18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VP-6	04/10/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/24/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	01/27/98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	04/29/98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/28/98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/21/98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	01/20/99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	04/22/99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/21/99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/26/99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/23/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/31/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/22/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	11/08/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/14/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	04/19/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/07/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	11/01/01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/20/02	**16,900**	**3,290**	< 500	**39.9**	379	43	**2,670**	---	---	---	---	---	---	---	---	---	---	---
	05/14/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/22/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/03/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/06/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/12/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/16/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/17/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/23/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/07/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/15/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/13/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/15/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/13/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/27/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/19/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/20/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/02/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/08/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/08/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 2

Summary of Groundwater Monitoring Analytical Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

		Total Petroleum Hydrocarbons (µg/L)			Primary VOCs (µg/L)						Oxygenates (µg/L)					Total Metals (µg/L)		Secondary VOCs (µg/L)	
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method A Cleanup Levels		800/1000[1]	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	06/27/07	**994**	< 240	< 481	**3.71**	0.770	7.27	40.8	---	---	---	---	---	---	---	---	---	---	---
	09/26/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/27/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/27/08	< 50	< 250	< 500	< 1	< 1	< 1	< 1	---	---	< 1	< 1	< 5	< 1	< 1	---	---	---	---
	06/25/08	**4,200**	< 250	< 500	< 1	3	69	450	---	---	< 1	---	---	---	---	---	---	---	---
	10/01/08	**1,100**	< 250	< 500	1.8	4.4	75	280	---	---	< 1	---	---	---	---	---	---	---	---
	12/11/08	**6,400**	**510**	< 500	1.2	9.7	370	**1,580**	---	---	---	---	---	---	---	---	---	---	---
	03/10/09	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	---	---	< 1.0	< 2.0	< 10	< 2.0	< 2.0	---	---	---	---
	05/27/09	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	---	---	---	---	---	---	---	---	---	---	---
	09/01/09	**5,100**	970	< 100	1.5	5.5	180	630	---	---	---	---	---	---	---	---	---	---	---
	12/03/09	< 100	< 100	190	< 0.50	< 1.0	< 1.0	< 1.0	< 0.010	< 0.50	---	---	---	---	---	---	---	---	---
	02/25/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	< 0.010	< 0.50	< 1.0	< 2.0	< 10	< 2.0	< 2.0	---	---	< 0.10	< 0.10
	05/04/10	< 100	< 100	< 100	< 0.50	< 1.0	6.0	7.5	---	---	---	---	---	---	---	---	---	< 0.10	< 0.10
	08/17/10	**5,800**	**3,600**	< 100	1.1	3.8	330	950	---	---	---	---	---	---	---	---	---	---	---
	12/16/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	---	---	---	---	---	---	---	---	---	---	---
	02/25/11	< 100	< 97.1	110	< 1.00	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 20.0	< 1.00	< 1.00	---	---	---	---
	08/11/11	**4,200**	**1,060**	< 240	< 1.00	2.14	96.8	239	---	---	---	---	---	---	---	---	---	---	---
	02/07/12	< 100	143	< 243	< 1.00	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 10.0	< 1.00	< 1.00	---	---	---	---
	07/31/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/01/12	660	**676**	< 94.3	< 1.00	< 1.00	32.9	125	---	---	---	---	---	---	---	---	---	---	---
	01/22/13	< 100	< 95.2	< 95.2	< 1.00	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	08/07/13	**4,580**	**1,280**	< 100	< 1.00	1.58	95.6	303	---	---	---	---	---	---	---	---	---	---	---
	03/24/14	< 100	< 93.9	< 93.9	< 1.00	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	08/27/14	173	155	< 93.9	< 1.00	< 1.00	< 1.00	< 2.00	---	---	---	---	---	---	---	---	---	---	---
	01/21/15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	01/22/15	< 100	< 93.9	< 93.9	< 1.00	< 1.00	1.05	< 2.00	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	06/29/15	242	179	< 93.5	< 1.00	< 1.00	< 1.00	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	02/04/16	< 17.8	< 190	< 285	< 0.0320	< 0.0380	< 0.0860	< 0.0160	---	---	---	---	---	---	---	---	---	---	---
	08/02/16	197	209	< 60.7	0.289	< 0.312	1.78	2.17 J	---	---	---	---	---	---	---	---	---	---	---
	02/23/17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/24/17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/07/18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VP-7	04/10/97	**3,240,000**	**15,800**	---	**20,600**	**41,700**	**6,700**	**44,300**	---	---	---	---	---	---	---	---	---	---	---
	07/24/97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	01/27/98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	04/29/98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/28/98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/21/98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	01/20/99	**67,600**	**26,900**	---	**2,590**	**3,680**	**894**	**8,830**	---	---	---	---	---	---	---	---	---	---	---
	04/22/99	**83,100**	**15,900**	---	**9,260**	**8,550**	303	**8,380**	---	---	---	---	---	---	---	---	---	---	---
	07/21/99	**704,000**	**94,700**	---	**557**	< 420	**1,470**	**11,100**	---	---	---	---	---	---	---	---	---	---	---
	10/26/99	**38,400**	**14,300**	---	**3,300**	**1,480**	79	**4,550**	---	---	---	---	---	---	---	---	---	---	---
	02/23/00	**30,900**	**68,200**	---	**6,070**	**2,530**	127	**2,350**	---	---	---	---	---	---	---	---	---	---	---
	05/31/00	**56,200**	**4,460**	---	**9,630**	**5,970**	294	**5,740**	---	---	---	---	---	---	---	---	---	---	---
	08/22/00	**22,800**	**24,600**	---	**1,460**	984	103	**1,740**	---	---	---	---	---	---	---	---	---	---	---
	11/08/00	**74,800**	**27,700**	< 7,680	**11,800**	**10,100**	495	**10,600**	---	---	---	---	---	---	---	---	---	---	---
	02/14/01	**19,500**	**16,100**	< 2,500	**1,310**	**1,470**	93	**3,000**	---	---	---	---	---	---	---	---	---	---	---

Table 2

Summary of Groundwater Monitoring Analytical Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

		Total Petroleum Hydrocarbons (µg/L)			Primary VOCs (µg/L)						Oxygenates (µg/L)					Total Metals (µg/L)		Secondary VOCs (µg/L)	
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method A Cleanup Levels		800/1000[1]	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	04/19/01	**40,200**	**10,900**	< 5,500	**6,140**	**4,780**	140	**6,250**	---	---	---	---	---	---	---	---	---	---	---
	08/07/01	**61,900**	**41,000**	**25,700**	**11,200**	**7,790**	264	**7,690**	---	---	---	---	---	---	---	---	---	---	---
	11/01/01	**74,200**	NA	NA	**623**	169	173	**1,200**	---	---	---	---	---	---	---	---	---	---	---
	03/20/02	**14,900**	**44,400**	< 5,000	**1,840**	**1,270**	85	**1,210**	---	---	---	---	---	---	---	---	---	---	---
	05/14/02	**46,200**	**58,600**	**4,040**	**2,270**	**1,840**	171	**2,080**	---	---	---	---	---	---	---	---	---	---	---
	08/22/02	**67,000**	**8,800**	< 3,800	**1,100**	**12,000**	590	**5,800**	---	---	---	---	---	---	---	---	---	---	---
	12/03/02	**28,000**	**520**	< 750	**1,900**	**1,800**	60	**2,150**	---	---	---	---	---	---	---	---	---	---	---
	03/06/03	**2,600**	< 250	< 500	**750**	180	41	310	---	---	---	---	---	---	---	---	---	---	---
	06/11/03	**1,500**	300	< 500	**1,500**	110	23	141	---	---	---	---	---	---	---	---	---	---	---
	09/16/03	590	**560**	< 500	**650**	14	7.6	50	---	---	---	---	---	---	---	---	---	---	---
	12/17/03	**2,800**	**4,900**	< 500	**5,800**	**5,600**	220	**3,100**	---	---	---	---	---	---	---	---	---	---	---
	03/23/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/07/04	**120,000 / 130,000**	**16,000 / 8,300**	< 2,500 / < 2,500	**19,000 / 19,000**	**18,000 / 17,000**	**1,200 / 1,100**	**11,200 / 11,200**	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---	--- / ---
	09/15/04	**66,000**	**16,000**	< 2,500	**11,000**	**4,100**	470	**8,300**	---	---	---	---	---	---	---	---	---	---	---
	12/13/04	**26,000**	**6,000**	< 10,000	**2,700**	**2,500**	160	**3,500**	---	---	---	---	---	---	---	---	---	---	---
	03/15/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/13/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/27/05	**32,000**	**4,000**	< 1,000	**6,500**	**1,600**	**410**	**5,300**	---	---	---	---	---	---	---	---	---	---	---
	12/19/05	Sheen present in well - no sample taken.			---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/20/06	Sheen present in well - no sample taken.			---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/02/06	Sheen present in well - no sample taken.			---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/08/06	**39,500**	**7,600**	**935**	**2,980**	**3,070**	650	**5,400**	---	---	---	---	---	---	---	---	---	---	---
	03/08/07	**29,500**	**1,170**	< 500	**1,790**	**1,270**	325	**2,800**	---	---	---	---	---	---	---	---	---	---	---
	06/27/07	**87,800**	**4,850**	498	**9,300**	**8,430**	**1,210**	**10,200**	---	---	---	---	---	---	---	---	---	---	---
	09/26/07	**58,000**	**5,600**	**1,780**	**6,640**	464	**1,160**	**10,300**	---	---	< 5.00	< 1.00	< 50.0	< 1.00	< 1.00	---	< 250	---	---
	12/27/07	**10,900**	**1,200**	< 472	< 0.500	< 0.500	< 0.500	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	03/27/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/25/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/01/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/11/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/10/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/27/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/01/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/03/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/18/10	**2,500**	**1,100**	< 100	**60**	90	32	380	< 0.010	< 0.50	< 1.0	< 2.0	< 10	< 2.0	< 2.0	---	---	15.3	< 0.50
	05/05/10	**2,500**	**1,200**	< 100	**370**	49	62	460	---	---	---	---	---	---	---	---	---	18.7	< 0.50
	08/17/10	**18,000**	**6,100**	< 100	**2,900**	**1,600**	490	**4,400**	---	---	---	---	---	---	---	---	---	---	---
	12/16/10	**1,900**	**600**	< 100	**250**	27	29	**230**	---	---	---	---	---	---	---	---	---	---	---
	02/25/11	**5,370**	**8,330**	**3,670**	**451**	58.2	93.5	245	---	---	< 1.00	< 1.00	< 20.0	< 1.00	< 1.00	---	---	---	---
	08/11/11	**33,300**	**2,130**	271	**4,520**	**1,680**	541	**2,800**	---	---	---	---	---	---	---	---	---	---	---
	02/07/12	**1,550**	**2,950**	< 240	**29.0**	14.2	6.42	88.5	---	---	< 1.00	< 1.00	11.0	< 1.00	< 1.00	---	---	---	---
	07/31/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/01/12	**8,820**	**2,550**	< 94.3	**873**	547	125	**1,270**	---	---	---	---	---	---	---	---	---	---	---
	01/22/13	**3,440**	**1,210**	< 95.2	**283**	40.0	61.3	256	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	08/07/13	**14,200**	**8,950**	**4,670**	**1,570**	466	154	**1,060**	---	---	---	---	---	---	---	---	---	---	---
	03/24/14	**2,470**	**1,610**	**1,890**	**98.3**	9.80	35.6	122	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	08/27/14	**8,510**	**2,890**	< 93.9	**1,810**	**1,020**	138	941	---	---	---	---	---	---	---	---	---	---	---

Table 2

Summary of Groundwater Monitoring Analytical Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

		Total Petroleum Hydrocarbons (µg/L)			Primary VOCs (µg/L)						Oxygenates (µg/L)					Total Metals (µg/L)		Secondary VOCs (µg/L)	
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method A Cleanup Levels		800/1000[1]	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	01/21/15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	01/22/15	**1,630**	**1,480**	< 93.9	**64.3**	51.1	47.5	146	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	06/29/15	**11,600**	**2,530**	< 93.5	**1,820**	568	339	**2,180**	---	---	---	---	---	---	---	---	---	---	---
	02/04/16	565	420	335 J	**84.4**	18.3	18.6	21.1	---	---	---	---	---	---	---	---	---	---	---
	08/03/16	**8,350 J**	**2,620**	271	**1,990**	341	408	**1,460**	---	---	---	---	---	---	---	---	---	---	---
	02/23/17	197	380	375	**32.2**	3.58	12.2	10.7	---	---	< 0.170	< 0.170	< 3.90	< 0.170	< 0.210	---	---	---	---
	08/24/17	**12,100**	**2,320**	**580**	**1,840**	385	677	**1,600**	---	---	---	---	---	---	---	---	---	---	---
	02/07/18	488	223 J	< 121	**41.0**	4.04	31.1	16.0	---	---	< 0.170	< 0.170	< 3.90	< 0.170	< 0.210	---	---	---	---
VP-8	04/10/97	284	**1,800**	---	< 0.5	< 0.5	< 0.5	1.4	---	---	---	---	---	---	---	---	---	---	---
	07/24/97	**977**	**3,720**	---	**8.63**	8.5	2.3	16	---	---	---	---	---	---	---	---	---	---	---
	11/06/97	**1,730**	**8,110**	---	**5.48**	4.6	2.6	16	---	---	---	---	---	---	---	---	---	---	---
	01/27/98	**1,260**	**2,920**	---	**5.28**	0.68	1.8	8.4	---	---	---	---	---	---	---	---	---	---	---
	04/29/98	**2,060**	**2,210**	---	< 0.5	< 0.5	< 0.5	< 1.0	---	---	---	---	---	---	---	---	---	---	---
	07/28/98	**2,250**	NA	---	< 0.5	< 0.5	< 0.5	< 1.0	---	---	---	---	---	---	---	---	---	---	---
	10/21/98	**2,610**	**7,430**	---	**9.64**	1.3	< 0.5	< 1.0	---	---	---	---	---	---	---	---	---	---	---
	01/20/99	< 50	**1,530**	---	< 0.5	< 0.5	< 0.5	< 1.0	---	---	---	---	---	---	---	---	---	---	---
	04/22/99	600	**1,250**	---	1.1	< 0.5	< 0.9	< 2.90	---	---	---	---	---	---	---	---	---	---	---
	07/21/99	103	**1,410**	---	< 0.5	< 0.5	< 0.5	< 1.0	---	---	---	---	---	---	---	---	---	---	---
	10/26/99	360	**1,650**	---	< 0.5	< 0.5	< 0.5	< 1.54	---	---	---	---	---	---	---	---	---	---	---
	02/23/00	788	**2,350**	---	0.695	< 0.5	< 0.5	< 3.20	---	---	---	---	---	---	---	---	---	---	---
	05/31/00	159	**2,650**	---	2.73	1.2	< 0.5	2.5	---	---	---	---	---	---	---	---	---	---	---
	08/22/00	393	**4,640**	---	< 0.64	< 0.5	< 0.5	< 2.16	---	---	---	---	---	---	---	---	---	---	---
	11/08/00	254	**3,550**	< 5,500	**9.23**	0.9	< 0.5	1.6	---	---	---	---	---	---	---	---	---	---	---
	02/14/01	180	**3,070**	< 2,500	1	< 0.5	< 0.5	< 1.05	---	---	---	---	---	---	---	---	---	---	---
	04/19/01	60	**18,600**	< 5,500	0.681	< 0.5	< 0.5	< 1.00	---	---	---	---	---	---	---	---	---	---	---
	08/07/01	317	**2,570**	**3,320**	2.25	< 0.5	< 0.5	1.1	---	---	---	---	---	---	---	---	---	---	---
	11/01/01	619	NA	NA	< 1.25	< 1.25	< 1.25	3.9	---	---	---	---	---	---	---	---	---	---	---
	03/20/02	574	**5,000**	**8,280**	1.13	< 0.5	< 0.5	2.4	---	---	---	---	---	---	---	---	---	---	---
	05/14/02	981	**4,390**	**7,740**	3.37	3.7	1.5	10	---	---	---	---	---	---	---	---	---	---	---
	08/22/02	**2,000**	**2,300**	< 3,800	< 1	< 1	< 1	6.0	---	---	---	---	---	---	---	---	---	---	---
	12/03/02	< 250	< 250	< 750	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	03/06/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	06/11/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	09/16/03	< 250	260	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	12/17/03	< 250	**1,400**	< 500	1.9	< 1	< 1	3.1	---	---	---	---	---	---	---	---	---	---	---
	03/23/04	< 250	**1,400**	**910**	< 1	< 1	< 1	1.7	---	---	---	---	---	---	---	---	---	---	---
	07/07/04	250	**2,500**	< 500	**6.9**	< 1	< 1	2.9	---	---	---	---	---	---	---	---	---	---	---
	09/15/04	410	**2,000**	< 500	**9.1**	< 1	< 1	2.6	---	---	---	---	---	---	---	---	---	---	---
	12/13/04	< 250	**1,200**	**710**	4	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	03/15/05	< 250	< 750	< 1,500	2.6	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	06/13/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/27/05	590	**880**	< 500	**11**	2	2.1	4.2	---	---	---	---	---	---	---	---	---	---	---
	12/19/05	91.2	312	< 490	2.85	< 0.500	< 0.500	< 1.00	---	---	---	---	---	---	---	---	---	---	---
	03/20/06	< 50.0	**855**	**720**	< 0.500	< 0.500	< 0.500	< 1.00	---	---	---	---	---	---	---	---	---	---	---
	05/02/06	< 50.0	**1,040**	**924**	< 0.500	< 0.500	< 0.500	< 1.00	---	---	---	---	---	---	---	---	---	---	---
	12/08/06	< 50.0	< 248	< 495	< 0.500	< 0.500	< 0.500	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	03/08/07	< 50.0	< 245	< 490	< 0.500	< 0.500	< 0.500	< 3.00	---	---	---	---	---	---	---	---	---	---	---

Table 2

Summary of Groundwater Monitoring Analytical Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

		Total Petroleum Hydrocarbons (µg/L)			Primary VOCs (µg/L)						Oxygenates (µg/L)					Total Metals (µg/L)		Secondary VOCs (µg/L)	
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method A Cleanup Levels		800/1000[1]	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	06/27/07	98.9	< 240	< 481	< 0.500	< 0.500	< 0.500	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	09/26/07	222	412	**580**	**7.15**	0.660	0.550	< 3.00	---	---	< 5.00	< 1.00	< 50.0	< 1.00	< 1.00	---	< 250	---	---
	12/27/07	< 50.0	< 238	< 476	**355**	171	79.8	909	---	---	---	---	---	---	---	---	---	---	---
	03/27/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/25/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/01/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/11/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/10/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/27/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/01/09	Possible obstrucion in well		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/03/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/18/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/04/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/16/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/25/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/11/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/07/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/31/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	01/22/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/07/13	114	**4,180**	**4,970**	< 1.00	< 1.00	< 1.00	< 2.00	---	---	---	---	---	---	---	---	---	---	---
	03/24/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/25/14	< 100	**742**	365	< 1.00	< 1.00	< 1.00	< 3.00	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	08/27/14	< 100	**1,040**	146	< 1.00	< 1.00	< 1.00	< 2.00	---	---	---	---	---	---	---	---	---	---	---
	01/21/15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	01/22/15	< 100	**805**	407	< 1.00	< 1.00	< 1.00	< 2.00	---	---	< 1.00	< 1.00	< 10.0	< 2.00	< 1.00	---	---	---	---
	06/29/15	< 100	**1,200**	211	< 1.00	< 1.00	< 1.00	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	02/04/16	< 17.8	263	< 284	< 0.0320	< 0.0380	< 0.0860	< 0.0160	---	---	---	---	---	---	---	---	---	---	---
	08/03/16	36.5 J	**1,820**	185 J	0.546	< 0.312	0.427 J	1.14 J	---	---	---	---	---	---	---	---	---	---	---
	02/23/17	< 70.4	328	147 J	< 0.200	0.188 J	< 0.190	< 0.580	---	---	< 0.170	< 0.170	< 3.90	< 0.170	< 0.210	---	---	---	---
	08/24/17	98.5 J	**3,120**	243 J	< 0.0930	< 0.312	0.240 J	0.715 J	---	---	---	---	---	---	---	---	---	---	---

Table 2

Summary of Groundwater Monitoring Analytical Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

		Total Petroleum Hydrocarbons (µg/L)			Primary VOCs (µg/L)						Oxygenates (µg/L)					Total Metals (µg/L)		Secondary VOCs (µg/L)	
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method A Cleanup Levels		800/1000[1]	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	02/07/18	< 70.4	**888**	189 J	< 0.200	< 0.170	< 0.190	< 0.580	---	---	< 0.170	< 0.170	< 3.90	< 0.170	< 0.210	---	---	---	---
VP-9	12/03/02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/06/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/12/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/16/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	12/1703	< 250	< 250	< 500	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---
	03/23/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/07/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/15/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/13/04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/15/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/13/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/27/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/19/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/20/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/02/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/08/06	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/08/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/27/07	< 50.0	< 240	< 481	< 0.500	< 0.500	< 0.500	< 3.00	---	---	---	---	---	---	---	---	---	---	---
	09/26/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/27/07	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/27/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/25/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/01/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/11/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/10/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/27/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	09/01/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/03/09	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/18/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	05/04/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/16/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/25/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/11/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/07/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	07/31/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	01/22/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/07/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	03/24/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/27/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	01/21/15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	06/29/15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/04/16	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/02/16	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/23/17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	08/24/17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	02/07/18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 2

Summary of Groundwater Monitoring Analytical Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

		Total Petroleum Hydrocarbons (µg/L)			Primary VOCs (µg/L)						Oxygenates (µg/L)					Total Metals (µg/L)		Secondary VOCs (µg/L)	
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method A Cleanup Levels		800/1000[1]	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1

Notes:

Model Toxics Control Act (MTCA) Cleanup Regulation, WAC 173-340. MTCA values are from Ecology website CLARC tables dated August 2015. (https://fortress.wa.gov/ecy/clarc/CLARCDataTables.aspx). Cleanup levels are used as screening levels.

Values in **bold** font indicate that the result reported meets or exceeds the MTCA Method A cleanup level.

Values underlined indicate that the laboratory reporting limit or, after October 2015, the laboratory method detection limit, exceeds MTCA Method A cleanup level.

Duplicate samples are identified in the same row separated by a slash.

Additional laboratory qualifiers may be found in reports from the laboratory.

--- - Not analyzed

< - Analyte was not detected at or above the indicated laboratory reporting limit. Non-detects prior to October, 2015 are reported as "ND" or "< [laboratory method reporting limits]". Non-detects following October, 2015 are reported as "< [laboratory method detection limits]".

b - Sample container contained headspace.

J - estimated value

cPAH-carcinogenic Polycyclic Aromatic Hydrocarbons

DIPE - di-isopropyl ether

EDB - 1,2-dibromoethane

EDC - 1,2-dichloroethane

ETBE - ethyl tertiary-butyl ether

MTBE - methyl tertiary-butyl ether

NE - not established

TAME - tertiary-amyl methyl ether

TBA - tertiary-butanol

µg/L - micrograms per liter

VOCs - volatile organic compounds

ND - non-detect

[1] - The cleanup level is 1000 ug/L if benzene is not present and 800 ug/L if benzene is present.

Data obtained from previous consultants (i.e., pre-Oct 2015) has not been independently reviewed or verified by AECOM, unless otherwise stated.

Table 3

Summary of Groundwater Monitoring Elevation Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

Well ID TOC (feet)[1]	Date	DTW (feet bgs)	GWE (feet NAVD 88)
MW-1	04/10/97	5.65	88.15
93.80	11/08/00	8.99	84.81
97.77	02/14/01	8.89	88.88
	04/19/01	8.24	89.53
	08/07/01	9.26	88.51
	11/01/01	9.74	88.03
	03/20/02	7.33	90.44
	05/14/02	7.46	90.31
	08/22/02	8.45	89.32
	12/03/02	9.70	88.07
	03/06/03	8.55	89.22
	06/12/03	8.87	88.90
	09/16/03	9.76	88.01
	12/17/03	7.52	90.25
	03/23/04	6.38	91.39
	07/07/04	7.88	89.89
	09/15/04	8.64	89.13
	12/13/04	8.15	89.62
	03/15/05	7.67	90.10
	06/13/05	7.68	90.09
	09/27/05	8.90	88.87
	12/19/05	8.29	89.48
	03/20/06	5.93	91.84
	05/02/06	6.72	91.05
	12/08/06	6.15	91.62
	03/08/07	7.71	90.06
	06/27/07	7.48	90.29
	09/26/07	8.83	88.94
	12/27/07	6.49	91.28
	03/27/08	6.72	91.05
	06/25/08	7.40	90.37
	10/01/08	---	---
	12/11/08	7.81	89.96
	03/10/09	6.81	90.96
	05/27/09	6.57	91.20
	09/01/09	8.47	89.30
	12/03/09	6.61	91.16

Table 3

Summary of Groundwater Monitoring Elevation Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

Well ID TOC (feet)[1]	Date	DTW (feet bgs)	GWE (feet NAVD 88)
	02/18/10	6.52	91.25
	05/04/10	7.19	90.58
	08/17/10	7.70	90.07
	12/16/10	6.10	91.67
	02/25/11	5.67	92.10
	08/11/11	7.72	90.05
	02/07/12	6.89	90.88
	07/31/12	7.62	90.15
	01/22/13	5.17	92.60
	08/07/13	8.00	89.77
	03/24/14	5.14	92.63
	08/27/14	8.32	89.45
238.63	01/21/15	6.31	232.32
	06/29/15	7.82	230.81
	02/04/16	4.42	234.21
	08/02/16	8.20	230.43
	02/23/17	4.21	234.42
	08/24/17	8.20	230.43
	02/07/18	5.03	233.60
MW-2	04/10/97	11.51	80.65
92.16	07/24/97	7.38	84.78
96.51	01/27/98	5.84	90.67
	04/29/98	8.53	87.98
	07/28/98	18.10	78.41
	10/21/98	9.36	87.15
	01/20/99	17.00	79.51
	04/22/99	12.50	84.01
	07/21/99	13.37	83.14
	10/26/99	10.35	86.16
	02/23/00	8.22	88.29
	05/31/00	8.15	88.36
	08/22/00	17.71	78.80
	11/08/00	9.00	87.51
96.67	02/14/01	8.80	87.87
	04/19/01	8.14	88.53
	08/07/01	9.24	87.43
	11/01/01	9.85	86.82
	03/20/02	12.62	84.05

Table 3

Summary of Groundwater Monitoring Elevation Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

Well ID TOC (feet)[1]	Date	DTW (feet bgs)	GWE (feet NAVD 88)
	05/14/02	13.87	82.80
	08/22/02	8.62	88.05
	12/03/02	17.60	79.07
	03/06/03	17.10	79.57
	06/11/03	17.50	79.17
	09/16/03	15.25	81.42
	12/17/03	7.45	89.22
	03/23/04	6.70	89.97
	07/07/04	8.12	88.55
	09/15/04	8.73	87.94
	12/13/04	7.94	88.73
	03/15/05	7.75	88.92
	06/13/05	7.88	88.79
	09/27/05	9.15	87.52
	12/19/05	8.36	88.31
	03/20/06	6.20	90.47
	05/02/06	6.90	89.77
MW-2	12/08/06	7.22	89.45
	03/08/07	7.78	88.89
	06/27/07	7.53	89.14
	09/26/07	10.20	86.47
	12/27/07	6.66	90.01
	03/27/08	6.88	89.79
	06/25/08	9.49	87.18
	10/01/08	10.43	86.24
	12/11/08	9.58	87.09
	03/10/09	9.02	87.65
	05/27/09	6.82	89.85
	09/01/09	8.67	88.00
	12/03/09	6.90	89.77
	02/18/10	5.80	90.87
	05/04/10	6.66	90.01
	08/17/10	7.90	88.77
	12/16/10	5.79	90.88
	02/25/11	6.09	90.58
	08/11/11	7.96	88.71

Table 3

Summary of Groundwater Monitoring Elevation Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

Well ID TOC (feet)[1]	Date	DTW (feet bgs)	GWE (feet NAVD 88)
	02/07/12	6.92	89.75
	07/31/12	7.72	88.95
	08/01/12	---	---
	01/22/13	5.52	91.15
	08/07/13	8.20	88.47
	03/24/14	6.84	89.83
	08/27/14	8.58	88.09
237.51	01/21/15	6.45	231.06
	06/29/15	8.19	229.32
	02/04/16	5.41	232.10
	08/02/16	8.40	229.11
	02/23/17	4.90	232.61
	08/24/17	8.49	229.02
	02/07/18	5.42	232.09
MW-3	04/10/97	7.83	85.60
93.43	07/24/97	9.51	83.92
	11/06/97	---	---
97.23	01/27/98	7.71	89.52
	04/29/98	9.70	87.53
	07/28/98	11.67	85.56
	10/21/98	11.18	86.05
	01/20/99	9.58	87.65
	04/22/99	8.54	88.69
	07/21/99	10.32	86.91
	10/26/99	12.13	85.10
	02/23/00	9.84	87.39
	05/31/00	9.63	87.60
	08/22/00	11.34	85.89
	11/08/00	10.85	86.38
97.39	02/14/01	10.55	86.84
	04/19/01	9.96	87.43
	08/07/01	11.36	86.03
	11/01/01	11.90	85.49
	03/20/02	9.64	87.75
	05/14/02	9.51	87.88
	08/22/02	10.39	87.00
	12/03/02	11.75	85.64
	03/06/03	10.67	86.72

Table 3

Summary of Groundwater Monitoring Elevation Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

Well ID TOC (feet)[1]	Date	DTW (feet bgs)	GWE (feet NAVD 88)
	06/12/03	12.29	85.10
	09/16/03	12.27	85.12
	12/17/03	9.62	87.77
	03/23/04	8.32	89.07
	07/07/04	9.88	87.51
	09/15/04	10.58	86.81
	12/13/04	10.12	87.27
	03/15/05	9.44	87.95
	06/13/05	9.61	87.78
	09/27/05	10.86	86.53
	12/19/05	10.23	87.16
	03/20/06	7.63	89.76
	05/02/06	8.50	88.89
	12/08/06	7.80	89.59
	03/08/07	9.40	87.99
	06/27/07	9.34	88.05
	09/26/07	10.72	86.67
	12/27/07	8.25	89.14
	03/27/08	8.33	89.06
	06/25/08	9.28	88.11
	10/01/08	10.49	86.90
	12/11/08	9.57	87.82
	03/10/09	8.33	89.06
	05/27/09	8.49	88.90
	09/01/09	10.44	86.95
	12/03/09	8.62	88.77
	02/18/10	7.13	90.26
	05/05/10	8.23	89.16
	08/17/10	9.69	87.70
	12/16/10	7.44	89.95
	02/25/11	7.61	89.78
	08/11/11	9.70	87.69
	02/07/12	8.71	88.68
	07/31/12	9.46	87.93
	01/22/13	7.10	90.29
	08/07/13	10.00	87.39
	03/24/14	7.04	90.35
	08/27/14	10.31	87.08

Table 3

Summary of Groundwater Monitoring Elevation Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

Well ID TOC (feet)[1]	Date	DTW (feet bgs)	GWE (feet NAVD 88)
238.26	01/21/15	7.99	230.27
	06/29/15	9.90	228.36
	02/04/16	6.21	232.05
	08/02/16	10.35	227.91
	02/23/17	5.02	233.24
	08/24/17	10.35	227.91
	02/07/18	5.94	232.32
MW-4	04/10/97	6.58	86.92
93.50	07/24/97	9.50	84.00
97.31	01/27/98	7.61	89.70
	04/29/98	9.46	87.85
	07/28/98	11.66	85.65
	10/21/98	12.01	85.30
	01/20/99	9.69	87.62
	04/22/99	7.92	89.39
	07/21/99	10.33	86.98
	10/26/99	12.96	84.35
	02/23/00	10.02	87.29
	05/31/00	10.16	87.15
	08/22/00	11.47	85.84
	11/08/00	11.41	85.90
97.47	02/14/01	11.19	86.28
	04/19/01	10.60	86.87
	08/07/01	11.89	85.58
	11/01/01	12.66	84.81
	03/20/02	8.80	88.67
	05/14/02	9.03	88.44
	08/22/02	6.29	91.18
	12/03/02	11.75	85.72
	03/06/03	10.95	86.52
	06/12/03	13.06	84.41
	09/16/03	12.82	84.65
	12/17/03	10.50	86.97
	03/23/04	8.20	89.27
	07/07/04	10.36	87.11
	09/15/04	11.38	86.09
	12/13/04	11.12	86.35
	03/15/05	9.94	87.53

Table 3

Summary of Groundwater Monitoring Elevation Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

Well ID TOC (feet)[1]	Date	DTW (feet bgs)	GWE (feet NAVD 88)
	06/13/05	10.07	87.40
	09/27/05	11.55	85.92
	12/19/05	11.12	86.35
	03/20/06	7.08	90.39
	05/02/06	8.37	89.10
	12/08/06	6.88	90.59
	03/08/07	10.10	87.37
	06/27/07	9.58	87.89
	09/26/07	11.34	86.13
	12/27/07	8.31	89.16
	03/27/08	7.92	89.55
	06/25/08	9.56	87.91
	10/01/08	10.50	86.97
	12/11/08	9.66	87.81
	03/10/09	7.40	90.07
	05/27/09	8.78	88.69
	09/01/09	11.19	86.28
	12/03/09	8.80	88.67
	02/18/10	7.26	90.21
	05/05/10	8.33	89.14
	08/17/10	10.38	87.09
	12/16/10	7.92	89.55
	02/25/11	7.35	90.12
	08/11/11	10.30	87.17
	02/07/12	9.51	87.96
	07/31/12	10.06	87.41
	01/22/13	6.67	90.80
	08/07/13	10.60	86.87
	03/24/14	7.04	90.43
	08/27/14	11.19	86.28
238.33	01/21/15	8.70	229.63
	06/29/15	10.61	227.72
	02/04/16	7.88	230.45
	08/02/16	10.83	227.50
	02/23/17	5.48	232.85
	08/24/17	10.79	227.54
	02/07/18	6.75	231.58

Table 3

Summary of Groundwater Monitoring Elevation Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

Well ID TOC (feet)[1]	Date	DTW (feet bgs)	GWE (feet NAVD 88)
MW-5	04/10/97	8.14	83.02
91.16	07/24/97	9.84	81.32
94.97	01/27/98	8.56	86.41
	04/29/98	10.40	84.57
	07/28/98	11.97	83.00
	10/21/98	11.78	83.19
	01/20/99	9.14	85.83
	04/22/99	9.71	85.26
	07/21/99	11.42	83.55
	10/26/99	12.65	82.32
	02/23/00	10.30	84.67
	05/31/00	10.53	84.44
	08/22/00	11.75	83.22
	11/08/00	11.11	83.86
95.11	02/14/01	10.77	84.34
	04/19/01	10.34	84.77
	08/07/01	11.94	83.17
	11/01/01	12.46	82.65
	03/20/02	9.92	85.19
	05/14/02	9.63	85.48
	08/22/02	10.81	84.30
	12/03/02	12.11	83.00
	03/06/03	11.16	83.95
	06/12/03	12.72	82.39
	09/16/03	12.70	82.41
	12/17/03	10.31	84.80
	03/23/04	9.00	86.11
	07/07/04	10.49	84.62
	09/15/04	11.22	83.89
	12/13/04	10.80	84.31
	03/15/05	10.09	85.02
	06/13/05	10.12	84.99
	09/27/05	11.34	83.77
	12/19/05	10.81	84.30
	03/20/06	8.25	86.86
	05/02/06	9.00	86.11
	12/08/06	7.80	87.31

Table 3

Summary of Groundwater Monitoring Elevation Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

Well ID TOC (feet)[1]	Date	DTW (feet bgs)	GWE (feet NAVD 88)
	03/08/07	10.22	84.89
	06/27/07	9.77	85.34
	09/26/07	11.14	83.97
	12/27/07	8.89	86.22
	03/27/08	8.87	86.24
	06/25/08	12.58	82.53
	10/01/08	13.69	81.42
	12/11/08	9.87	85.24
	03/10/09	8.92	86.19
	05/27/09	9.10	86.01
	09/01/09	10.99	84.12
	12/03/09	9.24	85.87
	02/18/10	8.26	86.85
	05/05/10	9.00	86.11
	08/17/10	10.42	84.69
	12/16/10	8.61	86.50
	02/25/11	8.51	86.60
	08/11/11	10.44	84.67
	02/07/12	9.53	85.58
	07/31/12	10.16	84.95
	01/22/13	7.88	87.23
	08/07/13	10.50	84.61
	03/24/14	8.08	87.03
	08/27/14	10.82	84.29
235.98	01/21/15	8.97	227.01
	06/29/15	10.59	225.39
	02/04/16	7.51	228.47
	08/02/16	10.78	225.20
	02/23/17	7.15	228.83
	08/24/17	10.73	225.25
	02/07/18	8.12	227.86

Table 3

Summary of Groundwater Monitoring Elevation Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

Well ID TOC (feet)[1]	Date	DTW (feet bgs)	GWE (feet NAVD 88)
MW-6	04/10/97	10.85	80.70
91.55	07/24/97	12.93	78.62
	11/06/97	---	---
95.36	01/27/98	11.48	83.88
	04/29/98	12.91	82.45
	07/28/98	15.59	79.77
	10/21/98	15.78	79.58
	01/20/99	12.10	83.26
	04/22/99	12.90	82.46
	07/21/99	15.36	80.00
	10/26/99	16.45	78.91
	02/23/00	13.06	82.30
	05/31/00	13.88	81.48
	08/22/00	15.06	80.30
	11/08/00	15.40	79.96
94.51	02/14/01	14.22	80.29
	04/19/01	13.60	80.91
	08/07/01	15.02	79.49
	11/01/01	15.77	78.74
	03/20/02	12.34	82.17
	05/14/02	13.05	81.46
	08/22/02	14.51	80.00
	12/03/02	16.13	78.38
	03/06/03	13.68	80.83
	06/12/03	15.60	78.91
	09/16/03	16.08	78.43
	12/17/03	13.30	81.21
	03/23/04	11.79	82.72
	07/07/04	14.00	80.51
	09/15/04	14.81	79.70
	12/13/04	14.35	80.16
	03/15/05	13.11	81.40
	06/13/05	13.09	81.42
	09/27/05	14.89	79.62
	12/19/05	14.09	80.42
	03/20/06	10.93	83.58
	05/02/06	11.96	82.55
	12/08/06	11.37	83.14

Table 3

Summary of Groundwater Monitoring Elevation Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

Well ID TOC (feet)[1]	Date	DTW (feet bgs)	GWE (feet NAVD 88)
	03/08/07	13.25	81.26
	06/27/07	12.66	81.85
	09/26/07	14.38	80.13
	12/27/07	11.53	82.98
	03/27/08	12.73	81.78
	06/25/08	12.52	81.99
	10/01/08	13.63	80.88
	12/11/08	13.29	81.22
	03/10/09	12.36	82.15
	05/27/09	11.80	82.71
	09/01/09	14.39	80.12
	12/03/09	12.22	82.29
	02/18/10	10.94	83.57
	05/05/10	11.88	82.63
	08/17/10	13.58	80.93
	12/16/10	11.81	82.70
	02/25/11	11.01	83.50
	08/11/11	13.51	81.00
	02/07/12	12.03	82.48
	07/31/12	12.92	81.59
	08/01/12	---	---
	01/22/13	10.20	84.31
	08/07/13	13.60	80.91
	03/24/14	10.07	84.44
	08/27/14	14.04	80.47
236.37	01/21/15	11.65	224.72
	06/29/15	13.71	222.66
	02/04/16	9.92	226.45
	08/09/16	14.20	222.17
	02/23/17	9.65	226.72
	08/24/17	14.19	222.18
	02/07/18	10.49	225.88

Table 3

Summary of Groundwater Monitoring Elevation Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

Well ID TOC (feet)[1]	Date	DTW (feet bgs)	GWE (feet NAVD 88)
MW-7	04/10/97	7.32	85.41
92.73	07/24/97	9.55	83.18
	11/06/97	---	---
96.23	01/27/98	7.83	88.40
	04/29/98	9.63	86.60
	07/28/98	11.01	85.22
	10/21/98	11.58	84.65
	01/20/99	9.55	86.68
	04/22/99	8.27	87.96
	07/21/99	10.22	86.01
	10/26/99	12.41	83.82
	02/23/00	9.87	86.36
	05/31/00	10.26	85.97
	08/22/00	10.96	85.27
	11/08/00	11.18	85.05
96.67	02/14/01	10.54	86.13
	04/19/01	10.11	86.56
	08/07/01	11.23	85.44
	11/01/01	11.76	84.91
	03/20/02	8.79	87.88
	05/14/02	9.12	87.55
	08/22/02	10.55	86.12
	12/03/02	11.93	84.74
	03/06/03	10.37	86.30
	06/12/03	11.93	84.74
	09/16/03	11.86	84.81
	12/17/03	10.02	86.65
	03/23/04	8.53	88.14
	07/07/04	10.23	86.44
	09/15/04	10.99	85.68
	12/13/04	10.69	85.98
	03/15/05	9.97	86.70
	06/13/05	10.02	86.65
	09/27/05	11.25	85.42
	12/19/05	10.79	85.88
	03/20/06	7.67	89.00
	05/02/06	8.67	88.00
	12/08/06	7.86	88.81

Table 3

Summary of Groundwater Monitoring Elevation Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

Well ID TOC (feet)[1]	Date	DTW (feet bgs)	GWE (feet NAVD 88)
	03/08/07	10.05	86.62
	06/27/07	9.65	87.02
	09/26/07	11.08	85.59
	12/27/07	8.83	87.84
	03/27/08	---	---
	06/25/08	8.73	87.94
	10/01/08	9.42	87.25
	12/11/08	9.50	87.17
	03/10/09	8.59	88.08
	05/27/09	8.91	87.76
	09/01/09	Dry	---
	12/03/09	8.93	87.74
	02/18/10	7.78	88.89
	05/04/10	8.66	88.01
	12/16/10	8.12	88.55
	02/25/11	7.87	88.80
	08/11/11	10.20	86.47
	02/07/12	9.47	87.20
	07/31/12	9.96	86.71
	01/22/13	7.48	89.19
	08/07/13	9.57	87.10
	03/24/14	8.62	88.05
	08/27/14	10.81	85.86
237.54	01/21/15	8.71	228.83
	06/29/15	8.99	228.55
	02/04/16	7.32	230.22
	08/02/16	10.61	226.93
	02/23/17	6.45	231.09
	08/24/17	9.11	228.43
	02/07/18	7.33	230.21

Table 3

Summary of Groundwater Monitoring Elevation Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

Well ID TOC (feet)[1]	Date	DTW (feet bgs)	GWE (feet NAVD 88)
MW-8	04/10/97	8.20	85.30
93.50	07/24/97	9.60	83.90
	11/06/97	---	---
97.03	01/27/98	7.51	89.52
	04/29/98	22.43	74.60
	07/28/98	22.45	74.58
	10/21/98	9.53	87.50
	01/20/99	9.19	87.84
	04/22/99	8.35	88.68
	07/21/99	10.43	86.60
	10/26/99	10.85	86.18
	02/23/00	9.47	87.56
	05/31/00	9.51	87.52
	08/22/00	21.61	75.42
	11/08/00	9.69	87.34
97.19	02/14/01	9.39	87.80
	04/19/01	8.81	88.38
	08/07/01	21.25	75.94
	11/01/01	20.72	76.47
	03/20/02	19.51	77.68
	05/14/02	8.87	88.32
	08/22/02	9.18	88.01
	12/03/02	10.90	86.29
	03/06/03	20.70	76.49
	06/11/03	21.20	75.99
	09/16/03	20.80	76.39
	12/17/03	8.38	88.81
	03/23/04	7.95	89.24
	07/07/04	8.83	88.36
	09/15/04	9.15	88.04
	12/13/04	8.66	88.53
	03/15/05	8.62	88.57
	06/13/05	9.23	87.96
	09/27/05	9.49	87.70
	12/19/05	10.12	87.07
	03/20/06	7.74	89.45
	05/02/06	8.10	89.09
	12/08/06	7.98	89.21

Table 3

Summary of Groundwater Monitoring Elevation Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

Well ID TOC (feet)[1]	Date	DTW (feet bgs)	GWE (feet NAVD 88)
	03/08/07	8.69	88.50
	06/27/07	8.51	88.68
	09/26/07	10.00	87.19
	12/27/07	7.84	89.35
	03/27/08	8.04	89.15
	06/25/08	9.24	87.95
	10/01/08	10.43	86.76
	12/11/08	9.79	87.40
	03/10/09	9.01	88.18
	05/27/09	8.11	89.08
	09/01/09	9.26	87.93
	12/03/09	8.14	89.05
	02/18/10	15.45	81.74
	05/05/10	7.97	89.22
	08/17/10	8.74	88.45
	12/16/10	7.60	89.59
	02/25/11	7.73	89.46
	08/11/11	8.88	88.31
	02/07/12	8.19	89.00
	07/31/12	8.67	88.52
	01/22/13	6.39	90.80
	08/07/13	9.30	87.89
	03/24/14	8.33	88.86
	08/27/14	9.85	87.34
238.04	01/21/15	7.84	230.20
	01/22/15	---	---
	06/29/15	8.99	229.05
	02/04/16	7.35	230.69
	08/02/16	9.11	228.93
	02/23/17	7.01	231.03
	08/24/17	9.21	228.83
	02/07/18	7.29	230.75

Table 3

Summary of Groundwater Monitoring Elevation Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

Well ID TOC (feet)[1]	Date	DTW (feet bgs)	GWE (feet NAVD 88)
MW-9	07/31/14	DRY	---
94.84	08/25/14	DRY	---
	08/27/14	DRY	---
236.70	01/21/15	DRY	---
	02/18/15	DRY	---
	03/05/15	DRY	---
	03/17/15	DRY	---
	06/29/15	DRY	---
	02/04/16	16.85	219.85
	08/02/16	19.88	216.82
	02/23/17	13.62	223.08
	08/24/17	19.90	216.80
	02/07/18	14.55	222.15
VP-1	12/03/02	10.72	87.73
98.45	03/06/03	9.26	89.19
	06/12/03	9.64	88.81
	09/16/03	11.02	87.43
	12/17/03	8.08	90.37
	03/23/04	7.14	91.31
	07/07/04	8.54	89.91
	09/15/04	9.25	89.20
	12/13/04	8.40	90.05
	03/15/05	8.36	90.09
	06/13/05	8.37	90.08
	09/27/05	9.63	88.82
	12/19/05	8.97	89.48
	03/20/06	6.66	91.79
	05/02/06	7.43	91.02
	12/08/06	6.22	92.23
	03/08/07	8.40	90.05
	06/27/07	8.22	90.23
	09/26/07	9.55	88.90
	12/27/07	7.20	91.25
	03/27/08	7.36	91.09
	06/25/08	6.52	91.93
	10/01/08	8.93	89.52
	12/11/08	8.44	90.01
	03/10/09	7.48	90.97
	05/27/09	7.29	91.16
	09/01/09	9.18	89.27

Table 3

Summary of Groundwater Monitoring Elevation Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

Well ID TOC (feet)[1]	Date	DTW (feet bgs)	GWE (feet NAVD 88)
	12/03/09	14.19	84.26
	02/18/10	6.14	92.31
	05/04/10	7.81	90.64
	08/17/10	8.39	90.06
	12/16/10	6.33	92.12
	02/25/11	6.51	91.94
	08/11/11	8.51	89.94
	02/07/12	7.46	90.99
	07/31/12	8.26	90.19
	01/22/13	6.01	92.44
	08/07/13	8.71	89.74
	03/24/14	5.98	92.47
	08/27/14	9.04	89.41
239.33	01/21/15	7.01	232.32
	06/29/15	8.69	230.64
	02/04/16	5.01	234.32
	08/02/16	8.90	230.43
	02/23/17	5.15	234.18
	08/24/17	8.94	230.39
	02/07/18	14.20	225.13
VP-2	04/10/97	6.31	87.46
93.77	07/24/97	7.85	85.92
97.58	01/27/98	9.00	88.58
	04/29/98	9.55	88.03
	07/28/98	10.07	87.51
	10/21/98	9.86	87.72
	01/20/99	8.12	89.46
	04/22/99	7.09	90.49
	07/21/99	8.92	88.66
	10/26/99	12.67	84.91
	02/23/00	8.24	89.34
	05/31/00	8.46	89.12
	08/22/00	9.94	87.64
	11/08/00	9.47	88.11
97.73	02/14/01	9.19	88.54
	04/19/01	8.51	89.22
	08/07/01	9.82	87.91
	11/01/01	10.32	87.41
	03/20/02	8.07	89.66
	05/14/02	8.06	89.67

Table 3

Summary of Groundwater Monitoring Elevation Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

Well ID TOC (feet)[1]	Date	DTW (feet bgs)	GWE (feet NAVD 88)
	08/22/02	8.91	88.82
	12/03/02	10.45	87.28
	03/06/03	9.10	88.63
	06/11/03	9.38	88.35
	09/16/03	10.82	86.91
	12/17/03	7.89	89.84
	03/23/04	6.85	90.88
	07/07/04	8.28	89.45
	09/15/04	9.02	88.71
	12/13/04	8.41	89.32
	03/15/05	8.04	89.69
	06/13/05	8.09	89.64
	09/27/05	9.34	88.39
	12/19/05	8.70	89.03
	03/20/06	6.31	91.42
	05/02/06	7.09	90.64
	12/08/06	6.18	91.55
	03/08/07	8.14	89.59
	06/27/07	7.88	89.85
	09/26/07	9.23	88.50
	12/27/07	6.80	90.93
	03/27/08	7.02	90.71
	06/25/08	6.63	91.10
	10/01/08	9.45	88.28
	12/11/08	8.14	89.59
	03/10/09	7.16	90.57
	05/27/09	6.99	90.74
	09/01/09	8.89	88.84
	12/03/09	7.01	90.72
	02/18/10	6.12	91.61
	05/04/10	6.78	90.95
	08/17/10	8.09	89.64
	12/16/10	6.00	91.73
	02/25/11	6.11	91.62
	08/11/11	8.12	89.61
	02/07/12	7.19	90.54
	07/31/12	7.92	89.81
	08/01/12	---	---

Table 3

Summary of Groundwater Monitoring Elevation Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

Well ID TOC (feet)[1]	Date	DTW (feet bgs)	GWE (feet NAVD 88)
	01/22/13	5.69	92.04
	08/07/13	8.40	89.33
	03/24/14	5.60	92.13
	08/27/14	8.78	88.95
238.59	01/21/15	6.62	231.97
	06/29/15	8.29	230.30
	02/04/16	5.00	233.59
	08/02/16	8.59	230.00
	02/23/17	4.65	233.94
	08/24/17	8.59	230.00
	02/07/18	5.42	233.17
VP-3	04/10/97	6.72	87.08
93.80	07/24/97	8.50	85.30
	11/06/97	---	---
97.61	01/27/98	6.66	90.95
	04/29/98	9.37	88.24
	07/28/98	11.47	86.14
	10/21/98	10.55	87.06
	01/20/99	8.66	88.95
	04/22/99	7.63	89.98
	07/21/99	9.48	88.13
	10/26/99	11.41	86.20
	02/23/00	8.88	88.73
	05/31/00	9.06	88.55
	08/22/00	11.03	86.58
	11/08/00	10.24	87.37
97.75	02/14/01	9.85	87.90
	04/19/01	9.21	88.54
	08/07/01	10.99	86.76
	11/01/01	11.52	86.23
	03/20/02	9.08	88.67
	05/14/02	8.56	89.19
	08/22/02	9.55	88.20
	12/03/02	11.14	86.61
	03/06/03	10.23	87.52
	06/12/03	10.72	87.03
	09/16/03	11.90	85.85
	12/17/03	8.66	89.09
	03/23/04	7.44	90.31
	07/07/04	8.99	88.76

Table 3

Summary of Groundwater Monitoring Elevation Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

Well ID TOC (feet)[1]	Date	DTW (feet bgs)	GWE (feet NAVD 88)
	09/15/04	9.79	87.96
	12/13/04	9.24	88.51
	03/15/05	8.70	89.05
	06/13/05	8.70	89.05
	09/27/05	10.05	87.70
	12/19/05	10.27	87.48
	03/20/06	6.81	90.94
	05/02/06	7.67	90.08
	12/08/06	---	---
	03/08/07	---	---
	06/27/07	7.76	89.99
	09/26/07	9.24	88.51
	12/27/07	6.60	91.15
	03/27/08	6.87	90.88
	06/25/08	6.05	91.70
	10/01/08	9.63	88.12
	12/11/08	7.94	89.81
	03/10/09	6.98	90.77
	05/27/09	6.90	90.85
	09/01/09	8.84	88.91
	12/03/09	6.93	90.82
	02/18/10	5.65	92.10
	05/05/10	6.68	91.07
	08/17/10	8.09	89.66
	12/16/10	5.96	91.79
	02/25/11	5.90	91.85
	08/11/11	8.20	89.55
	02/07/12	7.16	90.59
	07/31/12	7.88	89.87
	08/01/12	---	---
	01/22/13	5.42	92.33
	08/07/13	8.30	89.45
	03/24/14	5.45	92.30
	08/27/14	8.74	89.01
237.86	01/21/15	6.51	231.35
	06/29/15	8.35	229.51
	02/04/16	4.81	233.05
	08/02/16	8.61	229.25
	02/23/17	4.18	233.68
	08/24/17	8.51	229.35
	02/07/18	4.72	233.14

Table 3

Summary of Groundwater Monitoring Elevation Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

Well ID TOC (feet)[1]	Date	DTW (feet bgs)	GWE (feet NAVD 88)
VP-4	12/03/02	10.64	86.60
97.24	03/06/03	9.05	88.19
	06/12/03	9.29	87.95
	09/16/03	10.98	86.26
	12/17/03	8.18	89.06
	03/23/04	6.57	90.67
	07/07/04	8.38	88.86
	09/15/04	9.31	87.93
	12/13/04	8.84	88.40
	03/15/05	8.08	89.16
	06/13/05	8.15	89.09
	09/27/05	8.56	88.68
	12/19/05	8.96	88.28
	03/20/06	5.79	91.45
	05/02/06	6.83	90.41
	12/08/06	5.90	91.34
	03/08/07	8.18	89.06
	06/27/07	7.80	89.44
	09/26/07	9.41	87.83
	12/27/07	6.70	90.54
	03/27/08	6.68	90.56
	06/25/08	7.70	89.54
	10/01/08	9.14	88.10
	12/11/08	8.01	89.23
	03/10/09	6.80	90.44
	05/27/09	6.95	90.29
	09/01/09	9.14	88.10
	12/03/09	6.83	90.41
	02/18/10	5.67	91.57
	05/04/10	6.68	90.56
	12/16/10	6.11	91.13
	02/25/11	5.83	91.41
	08/11/11	8.35	88.89
	02/07/12	7.02	90.22
	07/31/12	8.12	89.12
	01/22/13	5.83	91.41
	08/07/13	9.52	87.72

Table 3

Summary of Groundwater Monitoring Elevation Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

Well ID TOC (feet)[1]	Date	DTW (feet bgs)	GWE (feet NAVD 88)
	03/24/14	9.04	88.20
	08/27/14	9.01	88.23
	09/02/14	---	---
238.29	01/21/15	6.72	231.57
	01/22/15	---	---
	06/29/15	8.47	229.82
	02/04/16	4.33	233.96
	08/03/16	8.80	229.49
	02/23/17	4.10	234.19
	08/24/17	8.70	229.59
	02/07/18	5.22	233.07
VP-5	04/10/97	6.72	86.38
93.10	07/24/97	8.81	84.29
	11/06/07	---	---
96.91	01/27/98	6.89	90.02
	04/29/98	17.92	78.99
	07/28/98	17.80	79.11
	10/21/98	10.92	85.99
	01/20/99	8.90	88.01
	04/22/99	8.89	88.02
	07/21/99	10.21	86.70
	10/26/99	11.85	85.06
	02/23/00	9.27	87.64
	05/31/00	9.32	87.59
	08/22/00	13.22	83.69
	11/08/00	10.65	86.26
97.07	02/14/01	10.15	86.92
	04/19/01	10.45	86.62
	08/07/01	17.37	79.70
	11/01/01	17.67	79.40
	03/20/02	15.56	81.51
	05/14/02	8.63	88.44
	08/22/02	9.94	87.13
	12/03/02	13.00	84.07
	03/06/03	17.20	79.87
	06/11/03	17.60	79.47
	09/16/03	14.00	83.07
	12/17/03	9.22	87.85

Table 3

Summary of Groundwater Monitoring Elevation Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

Well ID TOC (feet)[1]	Date	DTW (feet bgs)	GWE (feet NAVD 88)
	03/23/04	7.72	89.35
	07/07/04	9.43	87.64
	09/15/04	10.25	86.82
	12/13/04	9.75	87.32
	03/15/05	9.05	88.02
	06/13/05	9.30	87.77
	09/27/05	10.23	86.84
	12/19/05	8.89	88.18
	03/20/06	6.83	90.24
	05/02/06	7.70	89.37
	12/08/06	---	---
	03/08/07	---	---
	06/27/07	8.56	88.51
	09/26/07	11.61	85.46
	12/27/07	7.42	89.65
	03/27/08	7.47	89.60
	06/25/08	6.55	90.52
	10/01/08	10.01	87.06
	12/11/08	8.70	88.37
	03/10/09	8.49	88.58
	05/27/09	7.71	89.36
	09/01/09	9.84	87.23
	12/03/09	7.72	89.35
	02/18/10	6.34	90.73
	05/04/10	7.48	89.59
	12/16/10	6.84	90.23
	02/25/11	6.78	90.29
	08/11/11	9.11	87.96
	02/07/12	8.09	88.98
	07/31/12	8.82	88.25
	01/22/13	6.17	90.90
	08/07/13	9.30	87.77
	03/24/14	6.84	90.23
	03/25/14	---	---
	08/27/14	9.75	87.32

Table 3

Summary of Groundwater Monitoring Elevation Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

Well ID TOC (feet)[1]	Date	DTW (feet bgs)	GWE (feet NAVD 88)
237.93	01/21/15	7.50	230.43
	01/22/15	---	---
	06/29/15	9.31	228.62
	02/04/16	5.38	232.55
	08/03/16	9.55	228.38
	02/23/17	4.92	233.01
	08/24/17	9.52	228.41
	02/07/18	6.02	231.91
VP-6	04/10/97	6.51	87.38
93.89	07/24/97	7.74	86.15
97.69	01/27/98	6.70	90.99
	04/29/98	8.30	89.39
	07/28/98	11.10	86.59
	10/21/98	9.52	88.17
	01/20/99	6.98	90.71
	04/22/99	7.10	90.59
	07/21/99	9.60	88.09
	10/26/99	10.24	87.45
	02/23/00	8.11	89.58
	05/31/00	8.33	89.36
	08/22/00	9.88	87.81
	11/08/00	8.92	88.77
97.85	02/14/01	8.91	88.94
	04/19/01	8.14	89.71
	08/07/01	9.58	88.27
	11/01/01	9.72	88.13
	03/20/02	7.97	89.88
	05/14/02	7.86	89.99
	08/22/02	8.58	89.27
	12/03/02	9.95	87.90
	03/06/03	8.97	88.88
	06/12/03	9.23	88.62
	09/16/03	9.36	88.49
	12/17/03	7.44	90.41
	03/23/04	6.78	91.07
	07/07/04	8.05	89.80
	09/15/04	8.61	89.24
	12/13/04	7.74	90.11

Table 3

Summary of Groundwater Monitoring Elevation Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

Well ID TOC (feet)[1]	Date	DTW (feet bgs)	GWE (feet NAVD 88)
	03/15/05	7.79	90.06
	06/13/05	7.86	89.99
	09/27/05	8.95	88.90
	12/19/05	8.26	89.59
	03/20/06	6.39	91.46
	05/02/06	6.99	90.86
	12/08/06	6.13	91.72
	03/08/07	7.82	90.03
	06/27/07	7.64	90.21
	09/26/07	8.84	89.01
	12/27/07	7.03	90.82
	03/27/08	7.03	90.82
	06/25/08	7.68	90.17
	10/01/08	8.65	89.20
	12/11/08	7.98	89.87
	03/10/09	7.19	90.66
	05/27/09	6.98	90.87
	09/01/09	8.62	89.23
	12/03/09	6.93	90.92
	02/25/10	6.00	91.85
	05/04/10	6.83	91.02
	08/17/10	7.93	89.92
	12/16/10	6.00	91.85
	02/25/11	6.30	91.55
	08/11/11	8.01	89.84
	02/07/12	7.03	90.82
	07/31/12	7.79	90.06
	08/01/12	---	---
	01/22/13	6.00	91.85
	08/07/13	8.20	89.65
	03/24/14	5.87	91.98
	08/27/14	8.34	89.51
238.72	01/21/15	6.71	232.01
	01/22/15	---	---
	06/29/15	8.17	230.55
	02/04/16	5.30	233.42
	08/02/16	8.37	230.35
	02/23/17	5.12	233.60
	08/24/17	8.44	230.28
	02/07/18	5.72	233.00

Table 3

Summary of Groundwater Monitoring Elevation Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

Well ID TOC (feet)[1]	Date	DTW (feet bgs)	GWE (feet NAVD 88)
VP-7	04/10/97	13.32	79.84
93.16	07/24/97	10.60	82.56
96.79	01/27/98	7.69	89.10
	04/29/98	13.21	83.58
	07/28/98	13.14	83.65
	10/21/98	10.27	86.52
	01/20/99	12.75	84.04
	04/22/99	9.95	86.84
	07/21/99	12.62	84.17
	10/26/99	11.20	85.59
	02/23/00	8.80	87.99
	05/31/00	9.08	87.71
	08/22/00	12.81	83.98
	11/08/00	9.40	87.39
96.92	02/14/01	9.58	87.34
	04/19/01	8.86	88.06
	08/07/01	11.38	85.54
	11/01/01	12.10	84.82
	03/20/02	12.18	84.74
	05/14/02	12.75	84.17
	08/22/02	9.42	87.50
	12/03/02	12.10	84.82
	03/06/03	12.75	84.17
	06/11/03	12.85	84.07
	09/16/03	11.42	85.50
	12/17/03	8.37	88.55
	03/23/04	7.17	89.75
	07/07/04	8.78	88.14
	09/15/04	9.58	87.34
	12/13/04	8.74	88.18
	03/15/05	8.45	88.47
	06/13/05	10.31	86.61
	09/27/05	9.81	87.11
	12/19/05	12.29	84.63
	03/20/06	6.61	90.31
	05/02/06	7.45	89.47
	12/08/06	6.81	90.11
	03/08/07	8.56	88.36

Table 3

Summary of Groundwater Monitoring Elevation Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

Well ID TOC (feet)[1]	Date	DTW (feet bgs)	GWE (feet NAVD 88)
	06/27/07	8.30	88.62
	09/26/07	10.91	86.01
	12/27/07	7.48	89.44
	03/27/08	7.36	89.56
	06/25/08	6.54	90.38
	10/01/08	9.72	87.20
	12/11/08	9.36	87.56
	03/10/09	8.60	88.32
	05/27/09	7.32	89.60
	09/01/09	---	---
	12/03/09	10.02	86.90
	02/18/10	6.12	90.80
	05/05/10	7.18	89.74
	08/17/10	8.52	88.40
	12/16/10	6.50	90.42
	02/25/11	6.51	90.41
	08/11/11	8.59	88.33
	02/07/12	7.51	89.41
	07/31/12	8.26	88.66
	08/01/12	---	---
	01/22/13	6.01	90.91
	08/07/13	9.39	87.53
	03/24/14	6.54	90.38
	08/27/14	9.21	87.71
237.80	01/21/15	6.81	230.99
	01/22/15	---	---
	06/29/15	8.73	229.07
	02/04/16	5.53	232.27
	08/03/16	9.10	228.70
	02/23/17	5.20	232.60
	08/24/17	9.01	228.79
	02/07/18	5.69	232.11

Table 3

Summary of Groundwater Monitoring Elevation Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

Well ID TOC (feet)[1]	Date	DTW (feet bgs)	GWE (feet NAVD 88)
VP-8	04/10/97	12.77	79.95
92.72	07/24/97	8.31	84.41
	11/06/97	---	---
96.52	01/27/98	7.16	89.36
	04/29/98	11.93	84.59
	07/28/98	12.41	84.11
	10/21/98	10.91	85.61
	01/20/99	8.30	88.22
	04/22/99	11.35	85.17
	07/21/99	12.41	84.11
	10/26/99	11.61	84.91
	02/23/00	12.65	83.87
	05/31/00	8.77	87.75
	08/22/00	11.79	84.73
	11/08/00	10.40	86.12
96.67	02/14/01	10.01	86.66
	04/19/01	9.35	87.32
	08/07/01	11.02	85.65
	11/01/01	12.95	83.72
	03/20/02	12.85	83.82
	05/14/02	12.89	83.78
	08/22/02	9.52	87.15
	12/03/02	12.50	84.17
	03/06/03	17.20	79.47
	06/11/03	12.80	83.87
	09/16/03	12.78	83.89
	12/17/03	9.17	87.50
	03/23/04	7.15	89.52
	07/07/04	9.06	87.61
	09/15/04	10.04	86.63
	12/13/04	9.74	86.93
	03/15/05	8.72	87.95
	06/13/05	DRY	---
	09/27/05	10.24	86.43
	12/19/05	11.13	85.54
	03/20/06	6.17	90.50
	05/02/06	7.31	89.36
	12/08/06	6.40	90.27

Table 3

Summary of Groundwater Monitoring Elevation Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

Well ID TOC (feet)[1]	Date	DTW (feet bgs)	GWE (feet NAVD 88)
	03/08/07	8.88	87.79
	06/27/07	8.34	88.33
	09/26/07	11.20	85.47
	12/27/07	7.13	89.54
	03/27/08	6.84	89.83
	06/25/08	6.03	90.64
	10/01/08	9.12	87.55
	12/11/08	9.36	87.31
	03/10/09	7.35	89.32
	05/27/09	7.50	89.17
	09/01/09	---	---
	12/03/09	7.45	89.22
	02/18/10	6.04	90.63
	05/04/10	7.11	89.56
	12/16/10	6.71	89.96
	02/25/11	6.18	90.49
	08/11/11	9.00	87.67
	02/07/12	7.94	88.73
	07/31/12	8.76	87.91
	01/22/13	6.25	90.42
	08/07/13	9.20	87.47
	03/24/14	6.40	90.27
	03/25/14	---	---
	08/27/14	9.76	86.91
237.56	01/21/15	7.35	230.21
	01/22/15	---	---
	06/29/15	9.25	228.31
	02/04/16	4.81	232.75
	08/03/16	9.55	228.01
	02/23/17	4.44	233.12
	08/24/17	9.64	227.92
	02/07/18	5.79	231.77

Table 3

Summary of Groundwater Monitoring Elevation Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

Well ID TOC (feet)[1]	Date	DTW (feet bgs)	GWE (feet NAVD 88)
VP-9	12/03/02	11.22	88.59
99.81	03/06/03	9.70	90.11
	06/12/03	10.09	89.72
	09/16/03	11.42	88.39
	12/1703	8.63	91.18
	03/23/04	7.93	91.88
	07/07/04	9.31	90.50
	09/15/04	9.93	89.88
	12/13/04	9.01	90.80
	03/15/05	9.01	90.80
	06/13/05	9.01	90.80
	09/27/05	10.23	89.58
	12/19/05	9.40	90.41
	03/20/06	7.50	92.31
	05/02/06	8.15	91.66
	12/08/06	7.39	92.42
	03/08/07	9.67	90.14
	06/27/07	8.89	90.92
	09/26/07	10.11	89.70
	12/27/07	7.94	91.87
	03/27/08	8.13	91.68
	06/25/08	7.44	92.37
	10/01/08	9.51	90.30
	12/11/08	9.20	90.61
	03/10/09	8.29	91.52
	05/27/09	8.12	91.69
	09/01/09	9.87	89.94
	12/03/09	8.00	91.81
	02/18/10	7.02	92.79
	05/04/10	7.93	91.88
	12/16/10	6.94	92.87
	02/25/11	7.30	92.51
	08/11/11	9.27	90.54
	02/07/12	8.21	91.60
	07/31/12	9.04	90.77
	01/22/13	6.47	93.34
	08/07/13	9.29	90.52
	03/24/14	8.72	91.09
	08/27/14	9.65	90.16

Table 3

Summary of Groundwater Monitoring Elevation Data
Shell-Branded Service Station
210 NE 45th Street
Seattle, Washington

Well ID TOC (feet)[1]	Date	DTW (feet bgs)	GWE (feet NAVD 88)
240.67	01/21/15	7.71	232.96
	06/29/15	9.41	231.26
	02/04/16	6.31	234.36
	08/02/16	9.69	230.98
	02/23/17	5.75	234.92
	08/24/17	9.80	230.87
	02/07/18	5.78	234.89

Notes:

Groundwater elevations are calculated based on reported depth to water and the corresponding surveyed evelation of top of casing (TOC).

--- - not measured

ft - feet

bgs - below ground surface

DTW - depth to water

GWE - groundwater elevation

[1] - Wells were resurveyed on January 27, 1998, February 14, 2001, and January 21, 2015

Data obtained from previous consultants (i.e., pre-Oct 2015) has not been independently reviewed or verified by AECOM, unless otherwise stated.

Appendix A Groundwater Sampling Field Forms

WELL GAUGING DATA

Project # 170223-CD1 Date 2/23/17 Client AECOM

Site 210 NE 45th St Seattle WA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	0904	2					4.21	9.85		
MW-2	0932	4					4.90	16.42		Ext 545.
MW-3	0945	4					5.02	13.30		
MW-4	0909	4					~~4.21~~ 5.48 bp	14.50		
MW-5	0845	4					7.15	19.57		
MW-6	1140	4					9.65	19.40		
MW-7	0914	4					6.45	24.20		
MW-8	0852	4					7.01	19.37		Ext 545.
MW-9	0840	2					13.62	20.00		
VP-1	0901	4					5.15	14.21		
VP-2	0929	4					4.65	13.64		
VP-3	0925	4					4.18	13.43		
VP-4	0907	4					4.10	13.58		
VP-5	0919	4					4.92	16.62		Ext 545.
VP-6	0857	4					5.12	13.75		
VP-7	0921	4					5.20	10.98		Ext 545
VP-8	0916	4					4.44	10.71		

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WELL GAUGING DATA

Project # 170223-C01 Date 2/23/17 Client AECOM

Site 210 NE 45th St Seattle WA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
VP-9	0832	4					5.75	14.23	TOC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170223-CP1	Client: AECOM
Sampler: CP	Gauging Date: 2/23/17
Well I.D.: MW-2	Well Diameter (in.): 2 3 (4) 6 8 ____
Total Well Depth (ft.): 16.42	Depth to Water (ft.): 4.90
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | (Peristaltic Pump) | Bladder Pump
Sampling Method: Dedicated (Tubing) | New Tubing | Other ____

Start Purge Time: 1245 Flow Rate: 100 mL/min Pump Depth: 7'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)
1251	10.18	8.28	140	40	3.25	-174.2	600	4.97
1254	11.11	8.04	123	17	3.41	-207.1	900	4.97
1257	11.27	8.03	121	12	3.52	-201.9	1200	4.97
1300	11.33	7.99	120	9	3.49	-207.0	1500	4.97
1303	11.37	7.95	120	9	3.52	-207.5	1800	4.97

Did well dewater? Yes (No) Amount actually evacuated: 1.8L

Sampling Time: 1304 Sampling Date: 2/23/17

Sample I.D.: GW-060493-022317-CP-MW-2 Laboratory: TA

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170223-CP1	Client: AECOM
Sampler: CP	Gauging Date: 2/23/17
Well I.D.: MW-3	Well Diameter (in.): 2 3 (4) 6 8 ____
Total Well Depth (ft.): 13.30	Depth to Water (ft.): 5.02
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | (Peristaltic Pump) | Bladder Pump | Other ____

Sampling Method: Dedicated Tubing | New Tubing

Start Purge Time: 0947 Flow Rate: 100 mL/min Pump Depth: 8'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0953	9.15	9.80	488	12	0.62	-305.7	600	5.09
0956	9.45	9.31	432	9	0.46	-370.9	900	5.09
0959	9.65	9.12	413	7	0.40	-374.1	1200	5.09
1002	9.71	9.09	410	5	0.39	-374.5	1500	5.09
1005	9.74	9.05	402	5	0.37	-375.0	1800	5.09

Did well dewater? Yes (No) Amount actually evacuated: 1.8L

Sampling Time: 1006 Sampling Date: 2/23/17

Sample I.D.: GW-060493-022317-CP-MW-3 Laboratory: TA

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170223-CP1	Client: AECOM
Sampler: CP	Gauging Date: 2/23/17
Well I.D.: MW-6	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 19.40	Depth to Water (ft.): 9.65
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing (New Tubing) Other ___

Start Purge Time: 1145 Flow Rate: 100 mL/min Pump Depth: 12

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or uS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1151	10.02	8.28	290	7	0.87	-396.6	600	9.70
1154	10.21	8.23	288	5	0.71	-407.3	900	9.70
1157	10.25	8.18	287	5	0.68	-402.0	1200	9.70
1200	10.29	8.15	287	5	0.66	-409.1	1500	9.70
1203	10.30	8.12	286	4	0.69	-406.7	1800	9.70

Did well dewater? Yes (No) Amount actually evacuated: 1.8L

Sampling Time: 1204 Sampling Date: 2/23/17

Sample I.D.: GW-060493-022317-CP-MW-6 Laboratory: TA

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170223-CP1	Client: AECOM
Sampler: CP	Gauging Date: 2/23/17
Well I.D.: MW-9	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 20.00	Depth to Water (ft.): 13.62
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | (Peristaltic Pump) | Bladder Pump
Sampling Method: Dedicated (Tubing) | New Tubing | Other ___

Start Purge Time: 1220 Flow Rate: 100 mL/min Pump Depth: 16

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or uS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)
1226	10.45	7.54	709	16	1.43	-215.5	600	13.75
1229	10.47	7.53	715	10	1.38	-222.1	900	13.80
1232	10.56	7.54	711	9	1.41	-224.6	1200	13.86
1235	10.61	7.54	710	6	1.43	-224.9	1500	13.91
1238	10.65	7.55	707	6	1.37	-224.1	1800	13.98

Did well dewater? Yes (No) Amount actually evacuated: 1.8L

Sampling Time: 1239 Sampling Date: 2/23/17

Sample I.D.: GW-000493-022317-CP-MW-9 Laboratory: TA

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170223-CP1	Client: AECOM
Sampler: CP	Gauging Date: 2/23/17
Well I.D.: VP-1	Well Diameter (in.): 2 3 (4) 6 8 ____
Total Well Depth (ft.): 14.21	Depth to Water (ft.): 5.15
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | (Peristaltic Pump) | Bladder Pump
Sampling Method: Dedicated (Tubing) | New Tubing | Other ____

Start Purge Time: 1015 Flow Rate: 100 mL/min Pump Depth: 8'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)
1021	9.74	9.07	104	7	1.29	-390.0	600	5.20
1024	9.76	8.81	105	5	1.07	-388.1	900	5.20
1027	9.97	8.74	105	5	0.94	-383.2	1200	5.20
1030	10.02	8.72	105	4	0.90	-379.5	1500	5.20
1033	10.09	8.68	105	4	0.87	-377.2	1800	5.20

Did well dewater? Yes (No) Amount actually evacuated: 1.8L

Sampling Time: 1034 Sampling Date: 2/23/17

Sample I.D.: GW-000493-022317-CP-VP-1 Laboratory: TA

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170223-CP1	Client: AECOM
Sampler: CP	Gauging Date: 2/23/17
Well I.D.: VP-2	Well Diameter (in.): 2 3 (4) 6 8 ____
Total Well Depth (ft.): 13.64	Depth to Water (ft.): 4.65
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing (New Tubing) Other ____

Start Purge Time: 1040 Flow Rate: 100 mL/min Pump Depth: 7'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or uS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1046	10.10	8.16	375	9	1.35	-333.2	600	4.69
1049	10.12	8.16	375	7	1.50	-332.1	900	4.69
1052	10.17	8.17	379	5	1.24	-326.2	1200	4.69
1055	10.18	8.17	380	5	1.19	-326.0	1500	4.69
1058	10.17	8.19	379	5	1.12	-325.9	1800	4.69

Did well dewater? Yes (No) Amount actually evacuated: 1.8L

Sampling Time: 1100 Sampling Date: 2/23/17

Sample I.D.: GW-060493-022317-CP-VP-2 Laboratory: TA

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170223-CP1	Client: AECOM
Sampler: CP	Gauging Date: 2/23/17
Well I.D.: VP-3	Well Diameter (in.): 2 3 (4) 6 8 ____
Total Well Depth (ft.): 13.43	Depth to Water (ft.): 4.18
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump Other ____

Sampling Method: Dedicated Tubing (New Tubing) Other ____

Start Purge Time: 1114 Flow Rate: 100 mL/min Pump Depth: 7'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)
1120	10.19	7.57	447	16	1.35	-400.2	600	4.22
1123	10.25	7.61	447	17	0.94	-412.6	900	4.22
1126	10.29	7.64	445	20	0.89	-412.0	1200	4.22
1129	10.32	7.65	442	21	0.81	-417.2	1500	4.22
1132	10.38	7.65	440	21	0.79	-420.1	1800	4.22

Did well dewater? Yes (No) Amount actually evacuated: 1.8L

Sampling Time: 1133 Sampling Date: 2/23/17

Sample I.D.: GW-060493-022317-CP-VP-3 Laboratory: TA

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170223-CP1	Client: AECOM
Sampler: CP	Gauging Date: 2/23/17
Well I.D.: VP-7	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 10.98	Depth to Water (ft.): ~~4.44~~ 5.20
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing New Tubing Other ___

Start Purge Time: 1312 Flow Rate: 100 mL/min Pump Depth: 8'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or uS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)
1318	10.63	8.15	150	32	2.69	-217.0	600	5.29
1321	10.62	7.99	151	25	1.85	-230.1	900	5.29
1324	10.55	7.92	151	19	1.62	-229.3	1200	5.29
1327	10.54	7.89	151	15	1.74	-232.1	1500	5.29
1330	10.50	7.87	150	12	1.72	-239.9	1800	5.29

Did well dewater? Yes (No) Amount actually evacuated: 1.8L

Sampling Time: 1331 Sampling Date: 2/23/17

Sample I.D.: GW-060493-022317-CP-VP-7 Laboratory: TA

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170223-CP1	Client: AECOM
Sampler: CP	Gauging Date: 2/23/17
Well I.D.: VP-8	Well Diameter (in.): 2 3 (4) 6 8 ____
Total Well Depth (ft.): 10.71	Depth to Water (ft.): 4.44
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated (Tubing) New Tubing Other ____

Start Purge Time: 1341 Flow Rate: 100 mL/min Pump Depth: 7'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)
1347	10.74	7.01	793	35	1.13	-210.3	600	4.48
1350	10.68	7.03	737	29	0.86	-241.2	900	4.48
1353	10.60	7.15	752	20	0.43	-247.1	1200	4.48
1356	10.58	7.19	755	17	0.40	-249.9	1500	4.48
1359	10.55	7.22	756	15	0.39	-251.2	1800	4.48

Did well dewater? Yes (No) Amount actually evacuated: 1.8L

Sampling Time: 1400 Sampling Date: 2/23/17

Sample I.D.: GW-060493-022317-CP-VP-8 Laboratory: TA

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LAB (LOCATION)

☐ ACCUTEST (_____)
☐ CALSCIENCE (_____)
☑ TESTAMERICA (_____)
☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Equilon Enterprises LLC dba Shell Oil Products US Chain Of Custody Record

AECOM

Please Check Appropriate Box:		
☐ GW FDG	☐ PIPELINE	☑ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☐ OTHER	

Print Bill To Contact Name: Renee Knecht

PO #:

PlaNet Site or Project ID:

GSAP Project ID:

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 2/23/17

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services, Inc.

LOG CODE: BTSS

ADDRESS: 1680 Rogers Ave., San Jose, CA, 95112

PROJECT CONTACT (Hardcopy or PDF Report to): Renee Knecht

TELEPHONE: 206-438-2371

FAX:

Bill To Contact E-MAIL: renee.knecht@aecom.com

SITE ADDRESS: Street and City: 210 NE 45th St., Seattle

State: WA

AECOM Project / Task Number: 60482000

EDF DELIVERABLE TO (Name, Company, Office Location): Renee Knecht, AECOM, Seattle, WA

PHONE NO.: 206-438-2371

E-MAIL: renee.knecht@aecom.com

AECOM Other ID:

SAMPLER NAME(S) (Print): Craig Peter

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☑ UST AGENCY: Washington Dept of Ecology

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY) _____

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☐ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

UNIT COST: LAB-55 BTEX; St LAB-123 - WA NW Dx Water; LAB-35 MTBE; LAB-36 TBA; LAB-36 TBA; LAB-37 DIPE; LAB-38 TAME; LAB-38 ETBE; TPH-D

NON-UNIT COST: WA - NWTPH-Gx; 5 Oxygenates

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	LAB-55 BTEX	St LAB-123 - WA NW Dx Water	LAB-35 MTBE	LAB-36 TBA	LAB-36 TBA	LAB-37 DIPE	LAB-38 TAME	LAB-38 ETBE	TPH-D	WA - NWTPH-Gx	5 Oxygenates
	GW-060493-022317-CP-MW-2	2/23/17	1304	GW	X					6	X	X							X	X	X
	GW-060493-022317-CP-MW-3		1006	GW	X					6	X	X							X	X	X
	GW-060493-022317-CP-MW-6		1204	GW	X					6	X	X							X	X	X
	GW-060493-022317-CP-MW-9		1239	GW	X					6	X	X							X	X	X
	GW-060493-022317-CP-VP-1		1034	GW	X					6	X	X							X	X	X
	GW-060493-022317-CP-VP-2		1100	GW	X					6	X	X							X	X	X
	GW-060493-022317-CP-VP-3		1133	GW	X					6	X	X							X	X	X
	GW-060493-022317-CP-VP-7		1331	GW	X					6	X	X							X	X	X
	GW-060493-022317-CP-VP-8		1400	GW	X					6	X	X							X	X	X
	TB		0915	GW	X					2	X									X	

Relinquished by: (Signature) Craig Peter	Received by: (Signature) Shipped via FedEx	Date: 2/23/17	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 14Dec15

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM

INCIDENT # 91880622

ADDRESS 210 NE 45th St

DATE: 2/23/17

CITY & STATE Seattle WA

Well ID	Observations Upon Arrival: Manway Cover, Type, Condition & Size						Well Labeled / Painted Properly*		Well Cap (Gripper) Condition		Well Lock Condition			Well Pad / Surface Condition		Note Repairs Made Detailed Explanation of Maintenance Recommended and Performed	Photos of Well Condition		Repair Date and PM Initials
MW-1	Standpipe	Flush	G	P	Size (inch) 24		Y	N	G	R	G	R	NL	G	P		Y	N	
MW-2	Standpipe	Flush	G	P	Size (inch) 36		Y	N	G	R	G	R	NL	G	P		Y	N	
MW-3	Standpipe	Flush	G	P	Size (inch) 12		Y	N	G	R	G	R	NL	G	P	2/3 Tabs stripped	Y	N	
MW-4	Standpipe	Flush	G	P	Size (inch) 12		Y	N	G	R	G	R	NL	G	P	2/3 Tabs stripped	Y	N	
MW-5	Standpipe	Flush	G	P	Size (inch) 12		Y	N	G	R	G	R	NL	G	P		Y	N	
MW-6	Standpipe	Flush	G	P	Size (inch) 8		Y	N	G	R	G	R	NL	G	P		Y	N	
MW-7	Standpipe	Flush	G	P	Size (inch) 12		Y	N	G	R	G	R	NL	G	P	3/3 Tabs stripped	Y	N	
MW-8	Standpipe	Flush	G	P	Size (inch) 24		Y	N	G	R	G	R	NL	G	P		Y	N	
MW-9	Standpipe	Flush	G	P	Size (inch) 24		Y	N	G	R	G	R	NL	G	P		Y	N	
VP-1	Standpipe	Flush	G	P	Size (inch) 36		Y	N	G	R	G	R	NL	G	P		Y	N	
VP-2	Standpipe	Flush	G	P	Size (inch) 36		Y	N	G	R	G	R	NL	G	P		Y	N	
TOTAL # CAPS REPLACED =									0		0	= TOTAL # OF LOCKS REPLACED							

Condition of Soil Boring Patches or Abandoned Monitoring Wells	G	P	N/A	If POOR, Borings/Well IDs or Location Description		Y	N	

Remediation Compound Type (Check boxes that apply)		Condition of Enclosure			Condition of Area Inside Enclosure			Compound Security			Emergency Contact Info Visible			Cleaning / Repairs Recommended and Conducted	Photos of Condition		Repair Date and PM Initials
NA	X	G	P	N/A	G	P	N/A	G	P	N/A	Y	N	N/A		Y	N	
Building																	
Building w/ Fence Comp.																	
Fenced Compound																	
Trailer																	

Number of Drums On-site	Does the Label Reveal the Source of the Contents			Labeled Correctly and Writing Legible		Drum Condition			Confirm Drums Related to Environmental		Drums Located to Min Business Interference			Detailed Explanation of Any Issues Resolved	Photos of Drum Condition		Date Drums Removed from Site and PM Initials
0	Y	N	N/A	Y	N	N/A	G	P	N/A	Y	N	Y	N	N/A		Y	N	

G = Good (Acceptable) R = Replaced

P = Poor (needs attention) NL = No Lock Required

Note: All repairs other than locks and grippers require Shell PM approval prior to repair.

* = Groundwater monitoring well covers must be painted and labeled in accordance with applicable regulations.

Version 2.4, March 2008

All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above).

Craig Peter BTI

Print or type Name of Field Personnel & Consultant Company

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM

INCIDENT # 91880622

ADDRESS 210 NE 45th St

DATE: 2/27/11

CITY & STATE Seattle WA

Well ID	Observations Upon Arrival: Manway Cover, Type, Condition & Size						Well Labeled / Painted Properly*		Well Cap (Gripper) Condition		Well Lock Condition			Well Pad / Surface Condition		Note Repairs Made Detailed Explanation of Maintenance Recommended and Performed	Photos of Well Condition		Repair Date and PM Initials
VP-3	Standpipe	Flush	G	P	Size (inch) 36		Y	N	G	R	G	R	NL	G	P		Y	N	
VP-4	Standpipe	Flush	G	P	Size (inch) 36		Y	N	G	R	G	R	NL	G	P		Y	N	
VP-5	Standpipe	Flush	G	P	Size (inch) 36		Y	N	G	R	G	R	NL	G	P		Y	N	
VP-6	Standpipe	Flush	G	P	Size (inch) 24		Y	N	G	R	G	R	NL	G	P		Y	N	
VP-7	Standpipe	Flush	G	P	Size (inch) 36		Y	N	G	R	G	R	NL	G	P		Y	N	
VP-8	Standpipe	Flush	G	P	Size (inch) 36		Y	N	G	R	G	R	NL	G	P		Y	N	
VP-9	Standpipe	Flush	G	P	Size (inch) 12		Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)		Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)		Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)		Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)		Y	N	G	R	G	R	NL	G	P		Y	N	

TOTAL # CAPS REPLACED = 0 | 0 = TOTAL # OF LOCKS REPLACED

Condition of Soil Boring Patches or Abandoned Monitoring Wells	G	P	N/A	If POOR, Borings/Well IDs or Location Description		Y	N	

Remediation Compound Type (Check boxes that apply)		Condition of Enclosure			Condition of Area Inside Enclosure			Compound Security			Emergency Contact Info Visible			Cleaning / Repairs Recommended and Conducted	Photos of Condition		Repair Date and PM Initials
NA	X	G	P	N/A	G	P	N/A	G	P	N/A	Y	N	N/A		Y	N	
Building																	
Building w/ Fence Comp.																	
Fenced Compound																	
Trailer																	

Number of Drums On-site	Does the Label Reveal the Source of the Contents			Labeled Correctly and Writing Legible			Drum Condition			Confirm Drums Related to Environmental		Drums Located to Min Business Interference			Detailed Explanation of Any Issues Resolved	Photos of Drum Condition		Date Drums Removed from Site and PM Initials
0	Y	N	N/A	Y	N	N/A	G	P	N/A	Y	N	Y	N	N/A		Y	N	

G = Good (Acceptable) R = Replaced

P = Poor (needs attention) NL = No Lock Required

Note: All repairs other than locks and grippers require Shell PM approval prior to repair.

* = Groundwater monitoring well covers must be painted and labeled in accordance with applicable regulations.

Version 2.4, March 2008

All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above).

Craig Peter 7TS

Print or type Name of Field Personnel & Consultant Company

SHELL BILL OF LADING

SOURCE RECORD **BILL OF LADING**

FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT SHELL FACILITIES IN THE STATE OF WASHINGTON OR OREGON. THE NON-HAZARDOUS PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS, IS MADE UP INTO LOADS OF APPROPRIATE SIZE TO BE TRANSPORTED & PROCESSED BY A SHELL APPROVED WASTE HAULER.

The contractor performing this work is BLAINE TECH SERVICES, INC. 22727 72ND Ave South, Suite D – 102, Kent, WA 98032. Blaine Tech Services, Inc. is authorized by SHELL OIL COMPANY (SHELL) to recover, collect, apportion into loads, and haul the Non-Hazardous Well Purgewater that is drawn from wells at the SHELL facility indicated below and to deliver that purgewater to BTS. Transport routing of the Non-Hazardous Well Purgewater may be direct from one Shell facility to BTS; from one Shell facility to BTS via another Shell facility; or any combination thereof. The Non-Hazardous Well Purgewater is and remains the property of SHELL.

This **Source Record BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the SHELL facility described below:

91880622	Perry Pineda
INCIDENT #	Shell Engineer

210 NE 45th St	Seattle	WA
street number / street name	city	state

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-2	0.5	VP-8	0.5
MW-3	0.5		
MW-6	0.5		
MW-9	0.5		
VP-1	0.5		
VP-2	0.5		
VP-3	0.5		
VP-7	0.5		
added equip. rinse water	0.5	any other adjustments	

TOTAL GALS. RECOVERED 5.0

loaded onto BTS vehicle # 90

BTS event # 170223-CBJ time 1430 date 2/23/17

signature

* *

RECEIVED AT BTS Kent time 1530 date 2/23/17

unloaded by signature

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME 210 NE 45th St. Seattle WA				PROJECT NUMBER 170223-CP1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI 556	096100 101	2/23/17 0830	pH 4.0 7.0 10.0	3.99 7.07 10.10	= =	8.92	CP
			conduct 3900	3920	—	7.01	CP
			ORP 254.0	252.2	—	7.10	CP
			D.O. 100%	100.2	—	7.17	CP

AECOM	**AECOM Equilon Enterprises LLC dba Shell Oil Products (Equilon) US SGW (US)** **Daily Tailgate Meeting & Job Clearance Form**	Issue: 1/2/2011 Revision 11: October 2016 Do NOT pre-populate any field.

Job Location:	210 NE 45th St. Seattle WA	Date:	2/23/17
AECOM Site Supervisor:	Craig Petay	AECOM PM:	Renee Knecht

List activities to be performed today:	Groundwater Monitoring
Permitted Activities (specific permit to be competed):	☑ Not Applicable ☐ Confined Space Entry ☐ Excavation/Trenching ☐ Hot Work ☐ Hoisting/Rigging (any lifting with equipment, excluding drill rigs) ☐ Natural Gas System Maintenance

The above Permit-required activities require onsite AECOM supervision unless approved by Regional Operations.

Muster Point:	Taco Stand	Spill Kit Location:	Rear of Van
First Aid Kit Location:	Rear of Van	Fire Extinguisher Location:	Rear of Van
Emergency cut-off switches:	Front of Station	Designated cell phone use area(s):	In car

Has the Site Manager/Owner been notified of the work activities and/or participated in a pre-work site walk?	☑ Yes ☐ No ☐ N/A
Is a fuel delivery scheduled for today? If yes, plan to Stop Work during fuel delivery.	☐ Yes ☑ No ☐ N/A
Has a site walk been performed to identify additional hazards?	☑ Yes ☐ No*
Have all personnel reviewed and understand the site specific HASP?	☑ Yes ☐ No*
Does each activity have a Job Safety Analysis (JSA)?	☑ Yes ☐ No*
Does each subcontractor have JSAs for their activities?	☐ Yes ☐ No* ☑ N/A
Have JSAs been reviewed by the work team and newly identified hazards been added to the JSA?	☑ Yes ☐ No*
Per our lone worker procedure, is each employee either accompanied by or in communications with another?	☑ Yes ☐ No* ☐ N/A
Has a Safe Lift Plan been completed and reviewed/approved by an AECOM Subject Matter Expert?	☑ Yes ☐ No* ☑ N/A
Have all members of the work team confirmed understanding of the work, hazards, and controls/ mitigation?	☑ Yes ☐ No*
Has each person on the work team discussed all hazards and mitigation measures associated with any task which will require their feet to leave the ground?	☑ Yes ☐ No* ☐ N/A
Have work areas been properly cordoned-off to protect workers, site staff, and the public?	☑ Yes ☐ No* ☐ N/A
Have equipment checks been completed, documented, and reviewed?	☑ Yes ☐ No* ☐ N/A
Have there been any equipment modifications made by subcontractor(s)? Is yes, discuss modifications.	☐ Yes ☐ No ☑ N/A
Do all members of the work team have API Safety Keys (AECOM excluded)?	☑ Yes ☐ No* ☐ N/A
Do all members of the work team have a Shell "Life Saving Rules" Training card?	☑ Yes ☐ No*
Do all site workers understand injury/ intervention reporting requirements including immediately notifying the AECOM Site Supervisor of any injury, near miss, unsafe condition, hazard observation, or release?	☑ Yes ☐ No*
If permits are required, have they been reviewed and permit conditions understood by the Team?	☐ Yes ☐ No* ☑ N/A
If drilling, did driller physically point out all pinch points to entire team (AECOM and all subs)?	☑ Yes ☐ No* ☐ N/A
If drilling, has the driller & crew agreed the audible and visible signals for "all clear" prior to engaging controls?	☑ Yes ☐ No* ☐ N/A

** If No, then work cannot be performed until corrective action is completed and documented.*

Title of AECOM JSAs reviewed today:	Groundwater Monitoring	Title of Subcontractor's JSAs reviewed today:	

All personnel are wearing (regardless of activity):	☑ Hard Hat ☑ Safety Glasses ☑ Safety Vest ☑ Steel-Toed Boots ☑ Gloves (appropriate for task) See JSA for additional task specific PPE requirements.

Stop Work Authority & Obligation

* All employees will stop the job any time anyone is concerned or uncertain about safety.
* All employees will stop the job if anyone identifies a hazard or additional mitigation not recorded on the JSA.
* All employees will be alerted to any changes in personnel or conditions at the worksite.
* All employees will stop the job and reassess a task, hazards, and mitigations, and then amend the JSA as needed.

Other Items Discussed Today:

Circle the Life Saving Rule Icons that are applicable to the work/activities that will take place today:

AECOM	AECOM Equilon Enterprises LLC dba Shell Oil Products (Equilon) US SGW (US) Daily Tailgate Meeting & Job Clearance Form	Issue: January 2, 2011 Revision 11: October 2016 Do NOT pre-populate any field.

SITE WORKERS (including AECOM Contractors and Subcontractors): By signing here, you are stating the following:

* You understand that compliance with Shell's Life Saving Rules is mandatory and that failing to follow to them may result in termination.
* You have been involved in reviewing the JSAs and understand the hazards and control measures associated with each task you are about to perform.
* You understand the permit to work requirements applicable to the work you are about to perform (if it includes permitted activities).
* You understand the Shell Life Saving Rules and are aware that tasks or work that is not risk-assessed shall not be performed.
* You are aware of your authority and obligation to 'Stop Work'.

I arrived and departed fit for duty:

* You are physically and mentally fit for duty.
* You are not under the influence of any type of medication, drugs, or alcohol that could affect your ability to work safely.
* You are aware of your responsibility to immediately report any illness, injury (regardless of where or when it occurred), or fatigue issue you may have to the AECOM Site Supervisor.
* You will sign-out uninjured unless you have otherwise informed the AECOM Site Supervisor.

Print Name & Company	Signature	Initials & Sign In Time	Initials & Sign Out Time
Craig Peters RTS	Craig Peters	CP In & Fit 0815	CP Out & Fit 1415
LEE BURES BTS		LB In & Fit 1115	LB Out & Fit 1215
		In & Fit	Out & Fit
		In & Fit	Out & Fit
		In & Fit	Out & Fit

(Attach additional Site Worker sign-in/out sheets if needed)

PERSONAL SAFETY COMMITMENT (Attach additional Personal Safety Commitment sheets, if needed)

Print Name	"I will personally commit to do the following to positively improve site safety today":
Craig Peters	Exclusion Zones
LEE BURES	GOOD TRAFFIC CONTROL

SITE VISITORS (attach additional Site Visitor sign-in/out sheets if needed)

Print Name	Company Name	Arrival Time	Departure Time	Signature

SITE REPRESENTATIVE Sign In/Out (operating sites only, and signature must be requested. If the operator refuses to sign, note this on the Form)

Sign In: *I have discussed this Job Clearance Form with the contractor*		Sign Out: *I have discussed this Job Clearance Form with the contractor*	
Site Representative Name	**Site Representative Signature**	**Site Representative Name**	**Site Representative Signature**
Lucky Singh	LUCKY SINGH	Gianna Lindsey	

TWILIGHT TOOL BOX TALK (Complete the following once field activities for the day have been concluded):

Were there any Incidents, Near Misses, Potential Incidents, or Positive Interventions today?	☐ Yes ☑ No	If yes, provide details:
Were there any 'Stop Work' interventions?	☐ Yes ☑ No	If yes, provide details:
Were there any areas for improvement noted?	☐ Yes ☑ No	If yes, provide details:
Is the Site Manager/Owner happy with the way you left the site (including the location of waste drums and/or equipment)?	☑ Yes ☐ No	If no, provide details:
I certify that the above information is true and the job site is being left in a safe condition	☑ Yes ☐ No	AECOM Site Supervisor Signature:

WELL GAUGING DATA

Project # 170824-CP1 Date 8/24/17 Client AECOM

Site 210 NE 45th St. Seattle WA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	0920	2					8.20	9.71		
MW-2	0949	4					8.49	16.11		Ext SVE
MW-3	0929	4					10.35	13.40		
MW-4	0915	4					10.79	14.56		
MW-5	0830	4					10.73	19.64		
MW-6	0835	4					14.19	19.40		
MW-7	0800	4					9.11	24.15		
MW-8	0750	4					9.21	19.51		Ext. SVE.
MW-9	0823	2					19.90	20.01		
VP-1	0918	4					8.94	14.25		
VP-2	0939	4					8.59	13.71		
VP-3	0944	4					8.51	13.43		
VP-4	0925	4					8.70	13.68		
VP-5	0755	4					9.52	16.64		Ext. SVE.
VP-6	0747	4					8.44	13.79		
VP-7	0934	4					9.01	10.98		Ext SVE
VP-8	0956	4					9.64	10.75		Ext SVE

WELL GAUGING DATA

Project # 170824-CP1 Date 8/24/17 Client AECOM

Site 210 NE 45th St. Seattle WA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
VP-9	0740	4					9.80	14.15	T	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170824-cp1	Client: AECOM
Sampler: CP	Gauging Date: 8/24/17
Well I.D.: MW-2	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 16.11	Depth to Water (ft.): 8.49
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Other ___

Start Purge Time: 1204 Flow Rate: 100 mL/min Pump Depth: 11'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1210	18.60	6.39	209	15	1.32	-205.5	600	8.55
1213	18.51	6.34	207	14	0.86	-195.1	900	8.55
1216	18.50	6.33	207	11	1.10	-193.2	1200	8.55
1219	18.54	6.31	202	10	1.05	-198.7	1500	8.55
1222	18.55	6.31	199	10	1.00	-202.1	1800	8.55

Did well dewater? Yes (No)	Amount actually evacuated: 1.8L
Sampling Time: 1223	Sampling Date: 8/24/17
Sample I.D.: GW-020493-082417-CP-MW-2	Laboratory: TA
Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D)	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170824-C91	Client: AECOM
Sampler: CP	Gauging Date: 8/24/17
Well I.D.: MW-3	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 13.40	Depth to Water (ft.): 10.35
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Other CP

Start Purge Time: 1006 Flow Rate: 100 mL/min Pump Depth: ~~13'~~ 12'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1012	15.98	6.09	322	60	1.04	-185.7	600	10.40
1015	16.02	6.10	344	48	0.99	-186.6	900	10.40
1018	16.07	6.12	350	43	0.67	-187.5	1200	10.40
1021	16.10	6.13	355	37	0.62	-189.7	1500	10.40
1024	16.08	6.15	361	34	0.60	-190.9	1800	10.40

Did well dewater? Yes (No)	Amount actually evacuated: 1.8L
Sampling Time: 1025	Sampling Date: 8/24/17
Sample I.D.: GW-060493-082417-CP-MW-3	Laboratory: TA
Analyzed for: TPH-G (BTEX) MTBE (TPH-D)	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170824 (MP1)	Client: AECOM
Sampler: CP	Gauging Date: 8/24/17
Well I.D.: MW-6	Well Diameter (in.): 2 3 (4) 6 8 ____
Total Well Depth (ft.): 19.40	Depth to Water (ft.): 14.19
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | (Peristaltic Pump) | Bladder Pump
Sampling Method: Dedicated Tubing | (New Tubing) | Other ____

Start Purge Time: 0838 Flow Rate: 100 mL/min Pump Depth: 17'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0844	16.49	6.29	414	11	1.22	-129.3	600	14.25
0847	16.39	6.33	415	10	1.07	-134.5	900	14.25
0850	16.30	6.38	416	9	0.75	-153.2	1200	14.25
0853	16.28	6.39	418	7	0.72	-154.1	1500	14.25
0856	16.28	6.42	417	7	0.68	-156.3	1800	14.25

Did well dewater? Yes (No) Amount actually evacuated: 1.8L

Sampling Time: 0857 Sampling Date: 8/24/17

Sample I.D.: GW-060493-082417-CP-MW-6 Laboratory: TA

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170824-CP1	Client: AECOM
Sampler: CP	Gauging Date: 8/24/17
Well I.D.: MW-9	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 20.01	Depth to Water (ft.): 19.90
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type:

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Other

Start Purge Time: _____ Flow Rate: _____ Pump Depth: _____

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
	—	Insufficient			water			
	to	purge		or	sample	—		
	—	No	Sample	Taken	—			

Did well dewater? Yes No — Amount actually evacuated:

Sampling Time: — Sampling Date:

Sample I.D.: — Laboratory:

Analyzed for: TPH-G BTEX MTBE TPH-D — Other:

Equipment Blank I.D.: @ Time — Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170824-QP1	Client: AECOM
Sampler: QP	Gauging Date: 8/24/17
Well I.D.: VP-1	Well Diameter (in.): 2 3 (4) 6 8 ____
Total Well Depth (ft.): 14.25	Depth to Water (ft.): 8.94
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing New Tubing Other ____

Start Purge Time: 1229 Flow Rate: 100 mL/min Pump Depth: 11

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1235	20.16	6.03	176	29	1.86	-194.3	600	9.00
1238	20.21	6.03	176	25	1.88	-185.9	900	9.00
1241	20.07	5.99	176	22	1.94	-178.1	1200	9.00
1244	20.07	5.99	177	20	1.91	-185.2	1500	9.00
1247	20.08	5.98	179	18	1.92	-187.3	1800	9.00

Did well dewater? Yes (No)	Amount actually evacuated: 1.8L
Sampling Time: 1248	Sampling Date: 8/24/17
Sample I.D.: GW-060493-082417-QP-VP-1	Laboratory: TA
Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D)	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170824-CP1	Client: AECOM
Sampler: CP	Gauging Date: 8/24/17
Well I.D.: VP-2	Well Diameter (in.): 2 3 (4) 6 8 ____
Total Well Depth (ft.): 13.71	Depth to Water (ft.): 8.59
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Other ____

Start Purge Time: 1114 Flow Rate: 100 mL/min Pump Depth: 11'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1120	18.19	6.61	467	13	0.79	-215.5	600	8.62
1123	18.35	6.60	468	10	0.79	-212.8	900	8.62
1126	18.39	6.59	469	7	0.74	-215.9	1200	8.62
1129	18.42	6.58	471	5	0.75	-216.1	1500	8.62
1132	18.44	6.58	472	4	0.75	-215.7	1800	8.62

Did well dewater? Yes (No) Amount actually evacuated: 1.8L

Sampling Time: 1133 Sampling Date: 8/24/17

Sample I.D.: GW-060493-082417-CP-VP-2 Laboratory: TA

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170824-CP1	Client: AECOM
Sampler: CP	Gauging Date: 8/24/17
Well I.D.: VP-3	Well Diameter (in.): 2 3 (4) 6 8 ____
Total Well Depth (ft.): 13.43	Depth to Water (ft.): 8.51
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing (New Tubing) Other ____

Start Purge Time: 1140 Flow Rate: 100 mL/min Pump Depth: 11'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1146	16.73	6.16	565	13	0.94	-209.1	600	8.56
1149	16.82	6.12	569	12	0.54	-209.4	900	8.56
1152	16.87	6.12	570	9	0.50	-213.5	1200	8.56
1155	16.84	6.14	575	7	0.47	-213.8	1500	8.56
1158	16.88	6.17	579	6	0.45	-213.4	1800	8.56

Did well dewater? Yes (No) Amount actually evacuated: 1.8L

Sampling Time: 1159 Sampling Date: 8/24/17

Sample I.D.: GW-060493-082417-CP-VP-3 Laboratory: TA

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170824-CP1	Client: AECOM
Sampler: CP	Gauging Date: 8/24/17
Well I.D.: VP-7	Well Diameter (in.): 2 3 (4) 6 8 ____
Total Well Depth (ft.): 10.98	Depth to Water (ft.): 9.01
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing (New Tubing) Other ____

Start Purge Time: 1029 Flow Rate: 100 mL/min Pump Depth: 10'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1035	17.26	6.45	562	30	0.90	-200.2	600	9.05
1038	17.27	6.45	571	23	0.77	-209.6	900	9.05
1041	17.30	6.46	569	19	0.70	-209.4	1200	9.05
1044	17.33	6.48	573	15	0.68	-204.1	1500	9.05
1047	17.36	6.48	578	12	0.66	-206.2	1800	9.05

Did well dewater? Yes (No)	Amount actually evacuated: 1.8L
Sampling Time: 1048	Sampling Date: 8/24/17
Sample I.D.: GW-060493-082417-CP-VP-7	Laboratory: TA
Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D)	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170824-001	Client: AECOM
Sampler: AP	Gauging Date: 8/24/17
Well I.D.: VP-8	Well Diameter (in.): 2 3 (4) 6 8 ___
Total Well Depth (ft.): 10.75	Depth to Water (ft.): 9.64
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI556

Purge Method: 2" Grundfos Pump (Peristaltic) Pump Bladder Pump
Sampling Method: Dedicated Tubing New Tubing Other ___

Start Purge Time: 1257 Flow Rate: 100 ml/min Pump Depth: ~~12'~~ 10'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1303	17.54	6.42	1181	33	1.16	-202.1	600	9.71
1306	17.64	6.43	1199	19	0.58	-207.6	900	9.71
1309	17.72	6.45	1207	13	0.54	-210.5	1200	9.71
1312	17.74	6.46	1215	9	0.52	-211.2	1500	9.71
1315	17.74	6.48	1220	7	0.55	-212.0	1800	9.71

Did well dewater? Yes (No)	Amount actually evacuated: 1.8L
Sampling Time: 1316	Sampling Date: 8/24/17
Sample I.D.: GW-060493-082417-CP-VP-8	Laboratory: TA
Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D)	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

Equilon Enterprises LLC dba Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (_____)
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ GW FDG	☐ PIPELINE	☑ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☐ OTHER _____	

Print Bill To Contact Name: Renee Knecht

PO #:

PlaNet Site or Project ID:

GSAP Project ID:

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 8/24/17

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services, Inc.

LOG CODE: BTSS

ADDRESS: 1680 Rogers Ave., San Jose, CA, 95112

PROJECT CONTACT (Hardcopy or PDF Report to): Renee Knecht

TELEPHONE: 206-438-2371

FAX:

Bill To Contact E-MAIL: renee.knecht@aecom.com

SITE ADDRESS: Street and City: 210 NE 45th St., Seattle

State: WA

AECOM Project / Task Number: 60482000

EDF DELIVERABLE TO (Name, Company, Office Location): Renee Knecht, AECOM, Seattle, WA

PHONE NO.: 206-438-2371

E-MAIL: renee.knecht@aecom.com

AECOM Other ID

SAMPLER NAME(S) (Print): Craig Peters

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☑ UST AGENCY: Washington Dept of Ecology

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY) _____

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☐ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

UNIT COST

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	LAB-55 BTEX	St LAB-123 - WA NW Dx Water	LAB-35 MTBE	LAB-36 TBA	LAB-36 TBA	LAB-37 DIPE	LAB-38 TAME	LAB-39 ETBE	TPH-D
	GW-060493-082417-CP-MW-2	8/24/17	1223	W6	X					6	X	X							X
	GW-060493-082417-CP-MW-3		1025	W6	X					6	X	X							X
	GW-060493-082417-CP-MW-6		0857	W6	X					6	X	X							X
	GW-060493-082417-CP-VP-1		1248	W6	X					6	X	X							X
	GW-060493-082417-CP-VP-2		1133	W6	X					6	X	X							X
	GW-060493-082417-CP-VP-3		1159	W6	X					6	X	X							X
	GW-060493-082417-CP-VP-7		1048	W6	X					6	X	X							X
	GW-060493-082417-CP-VP-8		1316	W6	X					6	X	X							X
	TB		0715	W6	X					2	X								

NON-UNIT COST

WA - NWTPH-Gx	5 Oxygenates
X	
X	
X	
X	
X	
X	
X	
X	

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

Relinquished by: (Signature) Craig PO	Received by: (Signature) Shipped via Fed Ex	Date: 8/24/17	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 14Dec15

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM

INCIDENT # 91880622 ADDRESS 210 NE 45th St.

DATE: 8/24/17 CITY & STATE Seattle WA

Well ID	Observations Upon Arrival: Manway Cover, Type, Condition & Size					Well Labeled / Painted Properly*		Well Cap (Gripper) Condition		Well Lock Condition			Well Pad / Surface Condition		Note Repairs Made Detailed Explanation of Maintenance Recommended and Performed	Photos of Well Condition		Repair Date and PM Initials
MW-1	Standpipe	Flush	G	P	Size (inch) 24	Y	N	G	R	G	R	NL	G	P	2/2 Bolts missing 2/2 Tabs Stripped	Y	N	
MW-2	Standpipe	Flush	G	P	Size (inch) 24	Y	N	G	R	G	R	NL	G	P	4/4 Bolts missing 4/4 Tabs Stripped	Y	N	
MW-3	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P	1/2 Bolts missing 1/2 Tabs Broken	Y	N	
MW-4	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P	2/2 Bolts missing 2/2 Tabs Stripped	Y	N	
MW-5	Standpipe	Flush	G	P	Size (inch) 8	Y	N	G	R	G	R	NL	G	P	2/2 Bolts missing 2/2 Tabs Broken	Y	N	
MW-6	Standpipe	Flush	G	P	Size (inch) 8	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-7	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P	1/3 Tabs Stripped 2/3 Tabs Broken	Y	N	
MW-8	Standpipe	Flush	G	P	Size (inch) 36	Y	N	G	R	G	R	NL	G	P	4/4 Bolts missing 4/4 Tabs Stripped	Y	N	
MW-9	Standpipe	Flush	G	P	Size (inch) 8	Y	N	G	R	G	R	NL	G	P		Y	N	
VP-1	Standpipe	Flush	G	P	Size (inch) 36	Y	N	G	R	G	R	NL	G	P		Y	N	
VP-2	Standpipe	Flush	G	P	Size (inch) 24	Y	N	G	R	G	R	NL	G	P	4/4 Bolts missing 4/4 Tabs stripped	Y	N	
TOTAL # CAPS REPLACED = 0											2 = TOTAL # OF LOCKS REPLACED							

Condition of Soil Boring Patches or Abandoned Monitoring Wells	G	P	N/A	If POOR, Borings/Well IDs or Location Description		Y	N	
	G							

Remediation Compound Type (Check boxes that apply)		Condition of Enclosure			Condition of Area Inside Enclosure			Compound Security			Emergency Contact Info Visible			Cleaning / Repairs Recommended and Conducted	Photos of Condition		Repair Date and PM Initials
NA	X	G	P	N/A	G	P	N/A	G	P	N/A	Y	N	N/A		Y	N	
Building																	
Building w/ Fence Comp.																	
Fenced Compound																	
Trailer																	

Number of Drums On-site	Does the Label Reveal the Source of the Contents			Labeled Correctly and Writing Legible			Drum Condition			Confirm Drums Related to Environmental		Drums Located to Min Business Interference			Detailed Explanation of Any Issues Resolved	Photos of Drum Condition		Date Drums Removed from Site and PM Initials
0	Y	N	N/A	Y	N	N/A	G	P	N/A	Y	N	Y	N	N/A		Y	N	

G = Good (Acceptable) R = Replaced

P = Poor (needs attention) NL = No Lock Required

Note: All repairs other than locks and grippers require Shell PM approval prior to repair.

* = Groundwater monitoring well covers must be painted and labeled in accordance with applicable regulations.

Version 2.4, March 2008

All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above).

Craig Peters BTS

Print or type Name of Field Personnel & Consultant Company

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM

INCIDENT # 91880622 ADDRESS 210 NE 45th St.

DATE: 8/24/17 CITY & STATE Seattle WA

Well ID	Observations Upon Arrival: Manway Cover, Type, Condition & Size					Well Labeled / Painted Properly*		Well Cap (Gripper) Condition		Well Lock Condition			Well Pad / Surface Condition		Note Repairs Made Detailed Explanation of Maintenance Recommended and Performed	Photos of Well Condition		Repair Date and PM Initials
VP-3	Standpipe	Flush	G	P	Size (inch) 36	Y	N	G	R	G	R	NL	G	P		Y	N	
VP-4	Standpipe	Flush	G	P	Size (inch) 36	Y	N	G	R	G	R	NL	G	P		Y	N	
VP-5	Standpipe	Flush	G	P	Size (inch) 36	Y	N	G	R	G	R	NL	G	P		Y	N	
VP-6	Standpipe	Flush	G	P	Size (inch) 36	Y	N	G	R	G	R	NL	G	P		Y	N	
VP-7	Standpipe	Flush	G	P	Size (inch) 24	Y	N	G	R	G	R	NL	G	P	4/4 Bolts missing 4/4 Tabs stripped	Y	N	
VP-8	Standpipe	Flush	G	P	Size (inch) 24	Y	N	G	R	G	R	NL	G	P	4/4 Bolts missing 4/4 Tabs stripped	Y	N	
VP-9	Standpipe	Flush	G	P	Size (inch) 36	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
TOTAL # CAPS REPLACED = 0											3 = TOTAL # OF LOCKS REPLACED							

Condition of Soil Boring Patches or Abandoned Monitoring Wells	G	P	N/A	If POOR, Borings/Well IDs or Location Description		Y	N	

Remediation Compound Type (Check boxes that apply)		Condition of Enclosure			Condition of Area Inside Enclosure			Compound Security			Emergency Contact Info Visible			Cleaning / Repairs Recommended and Conducted	Photos of Condition		Repair Date and PM Initials
NA	X	G	P	N/A	G	P	N/A	G	P	N/A	Y	N	N/A		Y	N	
Building																	
Building w/ Fence Comp.																	
Fenced Compound																	
Trailer																	

Number of Drums On-site	Does the Label Reveal the Source of the Contents			Labeled Correctly and Writing Legible			Drum Condition			Confirm Drums Related to Environmental		Drums Located to Min Business Interference			Detailed Explanation of Any Issues Resolved	Photos of Drum Condition		Date Drums Removed from Site and PM Initials
0	Y	N	N/A	Y	N	N/A	G	P	N/A	Y	N	Y	N	N/A		Y	N	

G = Good (Acceptable) R = Replaced

P = Poor (needs attention) NL = No Lock Required

Note: All repairs other than locks and grippers require Shell PM approval prior to repair.

* = Groundwater monitoring well covers must be painted and labeled in accordance with applicable regulations.

Version 2.4, March 2008

All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above).

Craig Peter TST

Print or type Name of Field Personnel & Consultant Company

SHELL BILL OF LADING

SOURCE RECORD **BILL OF LADING**

FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT SHELL FACILITIES IN THE STATE OF WASHINGTON OR OREGON. THE NON-HAZARDOUS PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS, IS MADE UP INTO LOADS OF APPROPRIATE SIZE TO BE TRANSPORTED & PROCESSED BY A SHELL APPROVED WASTE HAULER.

The contractor performing this work is BLAINE TECH SERVICES, INC. 22727 72ND Ave South, Suite D – 102, Kent, WA 98032. Blaine Tech Services, Inc. is authorized by SHELL OIL COMPANY (SHELL) to recover, collect, apportion into loads, and haul the Non-Hazardous Well Purgewater that is drawn from wells at the SHELL facility indicated below and to deliver that purgewater to BTS. Transport routing of the Non-Hazardous Well Purgewater may be direct from one Shell facility to BTS; from one Shell facility to BTS via another Shell facility; or any combination thereof. The Non-Hazardous Well Purgewater is and remains the property of SHELL.

This **Source Record BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the SHELL facility described below:

91880622	Perry Pineda
INCIDENT #	Shell Engineer

210	NE 45th St.	Seattle	WA
street number	street name	city	state

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-2	0.5		
MW-3	0.5		
MW-9	0.5		
VP-1	0.5		
VP-2	0.5		
VP-3	0.5		
VP-7	0.5		
VP-8	0.5		
added equip. rinse water	1.0	any other adjustments	

TOTAL GALS. RECOVERED 5.0

loaded onto BTS vehicle # 88

BTS event # 170824-CP1 time 1300 date 8/24/17

signature Craig PA

****

RECEIVED AT BTS Kent time 1415 date 8/24/17

unloaded by signature Craig PA

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME 210 NE 45th St. Seattle WA				PROJECT NUMBER 170824-CP1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI556	115 102409	8/24/17 0845	PH 4.0 7.0 10.0	4.00 7.01 10.03	✓ ✓ ✓	16.82	CP
			Conduct 3900	3920	✓	16.90	CP
			ORP 242.0	241.1	✓	16.71	CP
			D.O 100%	101.5	✓	16.95	CP

AECOM	**AECOM Equilon Enterprises LLC dba Shell Oil Products (Equilon) US SGW (US)** **Daily Tailgate Meeting & Job Clearance Form**	Issue: 1/2/2011 Revision 11: October 2016 Do NOT pre-populate any field.

Job Location:	210 NE 45th St. Seattle WA	Date:	8/24/17
AECOM Site Supervisor:	Craig Peters	AECOM PM:	Reneé Knecht

List activities to be performed today:	Groundwater Monitoring / Traffic Control
Permitted Activities (specific permit to be competed):	☒ Not Applicable ☐ Confined Space Entry ☐ Excavation/Trenching ☐ Hot Work ☐ Hoisting/Rigging (any lifting with equipment, excluding drill rigs) ☐ Natural Gas System Maintenance

The above Permit-required activities require onsite AECOM supervision unless approved by Regional Operations.

Muster Point:	Taco Stand	Spill Kit Location:	Cab
First Aid Kit Location:	Cabinet	Fire Extinguisher Location:	Cab
Emergency cut-off switches:	Front of Station	Designated cell phone use area(s):	In Cab

Has the Site Manager/Owner been notified of the work activities and/or participated in a pre-work site walk?	☒ Yes ☐ No ☐ N/A
Is a fuel delivery scheduled for today? If yes, plan to Stop Work during fuel delivery.	☐ Yes ☒ No ☐ N/A
Has a site walk been performed to identify additional hazards?	☒ Yes ☐ No*
Have all personnel reviewed and understand the site specific HASP?	☒ Yes ☐ No*
Does each activity have a Job Safety Analysis (JSA)?	☒ Yes ☐ No*
Does each subcontractor have JSAs for their activities?	☐ Yes ☐ No* ☒ N/A
Have JSAs been reviewed by the work team and newly identified hazards been added to the JSA?	☒ Yes ☐ No*
Per our lone worker procedure, is each employee either accompanied by or in communications with another?	☒ Yes ☐ No* ☐ N/A
Has a Safe Lift Plan been completed and reviewed/approved by an AECOM Subject Matter Expert?	☐ Yes ☐ No* ☒ N/A
Have all members of the work team confirmed understanding of the work, hazards, and controls/ mitigation?	☒ Yes ☐ No*
Has each person on the work team discussed all hazards and mitigation measures associated with any task which will require their feet to leave the ground?	☒ Yes ☐ No* ☐ N/A
Have work areas been properly cordoned-off to protect workers, site staff, and the public?	☒ Yes ☐ No* ☐ N/A
Have equipment checks been completed, documented, and reviewed?	☒ Yes ☐ No* ☐ N/A
Have there been any equipment modifications made by subcontractor(s)? Is yes, discuss modifications.	☐ Yes ☐ No ☒ N/A
Do all members of the work team have API Safety Keys (AECOM excluded)?	☒ Yes ☐ No* ☐ N/A
Do all members of the work team have a Shell "Life Saving Rules" Training card?	☒ Yes ☐ No*
Do all site workers understand injury/ intervention reporting requirements including immediately notifying the AECOM Site Supervisor of any injury, near miss, unsafe condition, hazard observation, or release?	☒ Yes ☐ No*
If permits are required, have they been reviewed and permit conditions understood by the Team?	☐ Yes ☐ No* ☒ N/A
If drilling, did driller physically point out all pinch points to entire team (AECOM and all subs)?	☒ Yes ☐ No* ☐ N/A
If drilling, has the driller & crew agreed the audible and visible signals for "all clear" prior to engaging controls?	☒ Yes ☐ No* ☐ N/A

** If No, then work cannot be performed until corrective action is completed and documented.*

Title of AECOM JSAs reviewed today:	Groundwater Monitoring Traffic Control	Title of Subcontractor's JSAs reviewed today:	

All personnel are wearing (regardless of activity):	☒ Hard Hat ☒ Safety Glasses ☒ Safety Vest ☒ Steel-Toed Boots ☒ Gloves (appropriate for task) See JSA for additional task specific PPE requirements.

Stop Work Authority & Obligation

* All employees will stop the job any time anyone is concerned or uncertain about safety.
* All employees will stop the job if anyone identifies a hazard or additional mitigation not recorded on the JSA.
* All employees will be alerted to any changes in personnel or conditions at the worksite.
* All employees will stop the job and reassess a task, hazards, and mitigations, and then amend the JSA as needed.

Other Items Discussed Today:

Circle the Life Saving Rule Icons that are applicable to the work/activities that will take place today:

AECOM	AECOM Equilon Enterprises LLC dba Shell Oil Products (Equilon) US SGW (US) Daily Tailgate Meeting & Job Clearance Form	Issue: January 2, 2011 Revision 11: October 2016 Do NOT pre-populate any field.

SITE WORKERS (including AECOM Contractors and Subcontractors): By signing here, you are stating the following:

* You understand that compliance with Shell's Life Saving Rules is mandatory and that failing to follow to them may result in termination.
* You have been involved in reviewing the JSAs and understand the hazards and control measures associated with each task you are about to perform.
* You understand the permit to work requirements applicable to the work you are about to perform (if it includes permitted activities).
* You understand the Shell Life Saving Rules and are aware that tasks or work that is not risk-assessed shall not be performed.
* You are aware of your authority and obligation to 'Stop Work'.

I arrived and departed fit for duty:

* You are physically and mentally fit for duty,
* You are not under the influence of any type of medication, drugs, or alcohol that could affect your ability to work safely.
* You are aware of your responsibility to immediately report any illness, injury (regardless of where or when it occurred), or fatigue issue you may have to the AECOM Site Supervisor.
* You will sign-out uninjured unless you have otherwise informed the AECOM Site Supervisor.

Print Name & Company	Signature	Initials & Sign In Time	Initials & Sign Out Time
Craig Peters BTS	Craig Peters	0715 In & Fit CP	1330 Out & Fit CP
		In & Fit	Out & Fit
		In & Fit	Out & Fit
		In & Fit	Out & Fit
		In & Fit	Out & Fit

(Attach additional Site Worker sign-in/out sheets if needed)

PERSONAL SAFETY COMMITMENT (Attach additional Personal Safety Commitment sheets, if needed)

Print Name	"I will personally commit to do the following to positively improve site safety today":
Craig Peters	Safe Lifting (Manholes)

SITE VISITORS (attach additional Site Visitor sign-in/out sheets if needed)

Print Name	Company Name	Arrival Time	Departure Time	Signature

SITE REPRESENTATIVE Sign In/Out (operating sites only, and signature must be requested. If the operator refuses to sign, note this on the Form)

Sign In: *I have discussed this Job Clearance Form with the contractor*		Sign Out: *I have discussed this Job Clearance Form with the contractor*	
Site Representative Name	Site Representative Signature	Site Representative Name	Site Representative Signature
MONTY	Monty	Gianna Lindsey	Gianna Lindsey

TWILIGHT TOOL BOX TALK (Complete the following once field activities for the day have been concluded):

Were there any Incidents, Near Misses, Potential Incidents, or Positive Interventions today?	☐ Yes ☑ No	If yes, provide details:
Were there any 'Stop Work' interventions?	☐ Yes ☑ No	If yes, provide details:
Were there any areas for improvement noted?	☐ Yes ☑ No	If yes, provide details:
Is the Site Manager/Owner happy with the way you left the site (including the location of waste drums and/or equipment)?	☑ Yes ☐ No	If no, provide details:
I certify that the above information is true and the job site is being left in a safe condition	☑ Yes ☐ No	AECOM Site Supervisor Signature: Craig Peters

Appendix B Analytical Reports and Chains of Custody

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

TestAmerica Job ID: 590-5570-1
Client Project/Site: 210 NE 45th St., Seattle (60482000)

For:
AECOM, Inc.
1111 Third Ave
Suite 1600
Seattle, Washington 98101

Attn: Renee Knecht

Authorized for release by:
2/28/2017 2:37:21 PM

Randee Arrington, Project Manager II
(509)924-9200
randee.arrington@testamericainc.com

Table of Contents

Case Narrative

Client: AECOM, Inc.
Project/Site: 210 NE 45th St., Seattle (60482000)

TestAmerica Job ID: 590-5570-1

Job ID: 590-5570-1

Laboratory: TestAmerica Spokane

Narrative

Receipt
The samples were received on 2/24/2017 2:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.1º C.

GC/MS VOA
Method 8260C: The sample duplicate precision for m,p-Xylene and Total Xylenes in the following sample associated with analytical batch 590-10881 was outside control limits: (590-5570-A-8 DU).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method NWTPH-Dx: Detected hydrocarbons in the diesel range appear to be due to gasoline overlap as well as heavily weathered diesel and /or biogenic interference in the following samples: GW-060493-022317-CP-VP-3 (590-5570-7) and GW-060493-022317-CP-VP-7 (590-5570-8).

Method NWTPH-Dx: Detected hydrocarbons in the diesel range appear to be due to gasoline overlap in the following sample: GW-060493-022317-CP-MW-6 (590-5570-3).

Method NWTPH-Dx: Detected hydrocarbons in the diesel range appear to be due to an individual peak and not a typical hydrocarbon pattern in the following samples: GW-060493-022317-CP-MW-2 (590-5570-1) and GW-060493-022317-CP-VP-8 (590-5570-9).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: AECOM, Inc.
Project/Site: 210 NE 45th St., Seattle (60482000)

TestAmerica Job ID: 590-5570-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-5570-1	GW-060493-022317-CP-MW-2	Water	02/23/17 13:04	02/24/17 14:40
590-5570-2	GW-060493-022317-CP-MW-3	Water	02/23/17 10:06	02/24/17 14:40
590-5570-3	GW-060493-022317-CP-MW-6	Water	02/23/17 12:04	02/24/17 14:40
590-5570-4	GW-060493-022317-CP-MW-9	Water	02/23/17 12:39	02/24/17 14:40
590-5570-5	GW-060493-022317-CP-VP-1	Water	02/23/17 10:34	02/24/17 14:40
590-5570-6	GW-060493-022317-CP-VP-2	Water	02/23/17 11:00	02/24/17 14:40
590-5570-7	GW-060493-022317-CP-VP-3	Water	02/23/17 11:33	02/24/17 14:40
590-5570-8	GW-060493-022317-CP-VP-7	Water	02/23/17 13:31	02/24/17 14:40
590-5570-9	GW-060493-022317-CP-VP-8	Water	02/23/17 14:00	02/24/17 14:40
590-5570-10	Trip Blank	Water	02/23/17 08:15	02/24/17 14:40

Method Summary

Client: AECOM, Inc.
Project/Site: 210 NE 45th St., Seattle (60482000)

TestAmerica Job ID: 590-5570-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL NSH
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL SPK
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC/MS)	NWTPH	TAL SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	TAL SPK

Protocol References:

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Detection Summary

Client: AECOM, Inc.
Project/Site: 210 NE 45th St., Seattle (60482000)

TestAmerica Job ID: 590-5570-1

Client Sample ID: GW-060493-022317-CP-MW-2 — Lab Sample ID: 590-5570-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics (DRO) (C10-C25)	0.0782	J	0.124	0.0414	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: GW-060493-022317-CP-MW-3 — Lab Sample ID: 590-5570-2

No Detections.

Client Sample ID: GW-060493-022317-CP-MW-6 — Lab Sample ID: 590-5570-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	32.0		1.00	0.200	ug/L	1		8260C	Total/NA
Ethylbenzene	183		1.00	0.190	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	103		2.00	0.380	ug/L	1		8260C	Total/NA
o-Xylene	1.46		1.00	0.200	ug/L	1		8260C	Total/NA
Toluene	5.21		1.00	0.170	ug/L	1		8260C	Total/NA
Xylenes, Total	104		3.00	0.580	ug/L	1		8260C	Total/NA
Gasoline	2500		150	70.4	ug/L	1		NWTPH-Gx	Total/NA
Diesel Range Organics (DRO) (C10-C25)	0.723		0.122	0.0405	mg/L	1		NWTPH-Dx	Total/NA
Residual Range Organics (RRO) (C25-C36)	0.0652	J	0.203	0.0608	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: GW-060493-022317-CP-MW-9 — Lab Sample ID: 590-5570-4

No Detections.

Client Sample ID: GW-060493-022317-CP-VP-1 — Lab Sample ID: 590-5570-5

No Detections.

Client Sample ID: GW-060493-022317-CP-VP-2 — Lab Sample ID: 590-5570-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics (DRO) (C10-C25)	0.0424	J	0.123	0.0410	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: GW-060493-022317-CP-VP-3 — Lab Sample ID: 590-5570-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline	204		150	70.4	ug/L	1		NWTPH-Gx	Total/NA
Diesel Range Organics (DRO) (C10-C25)	0.192		0.121	0.0403	mg/L	1		NWTPH-Dx	Total/NA
Residual Range Organics (RRO) (C25-C36)	0.105	J	0.201	0.0604	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: GW-060493-022317-CP-VP-7 — Lab Sample ID: 590-5570-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	32.2		1.00	0.200	ug/L	1		8260C	Total/NA
Ethylbenzene	12.2		1.00	0.190	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	8.75		2.00	0.380	ug/L	1		8260C	Total/NA
o-Xylene	1.97		1.00	0.200	ug/L	1		8260C	Total/NA
Toluene	3.58		1.00	0.170	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AECOM, Inc.
Project/Site: 210 NE 45th St., Seattle (60482000)

TestAmerica Job ID: 590-5570-1

Client Sample ID: GW-060493-022317-CP-VP-7 (Continued) — Lab Sample ID: 590-5570-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylenes, Total	10.7		3.00	0.580	ug/L	1		8260C	Total/NA
Gasoline	197		150	70.4	ug/L	1		NWTPH-Gx	Total/NA
Diesel Range Organics (DRO) (C10-C25)	0.380		0.123	0.0410	mg/L	1		NWTPH-Dx	Total/NA
Residual Range Organics (RRO) (C25-C36)	0.375		0.205	0.0615	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: GW-060493-022317-CP-VP-8 — Lab Sample ID: 590-5570-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.188	J	1.00	0.170	ug/L	1		8260C	Total/NA
Diesel Range Organics (DRO) (C10-C25)	0.328		0.126	0.0420	mg/L	1		NWTPH-Dx	Total/NA
Residual Range Organics (RRO) (C25-C36)	0.147	J	0.210	0.0629	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 590-5570-10

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: GW-060493-022317-CP-MW-2

Lab Sample ID: 590-5570-1
Date Collected: 02/23/17 13:04
Matrix: Water
Date Received: 02/24/17 14:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TBA	ND		10.0	3.90	ug/L			02/25/17 15:49	1
Benzene	ND		1.00	0.200	ug/L			02/25/17 15:49	1
Ethylbenzene	ND		1.00	0.190	ug/L			02/25/17 15:49	1
MTBE	ND		1.00	0.170	ug/L			02/25/17 15:49	1
m-Xylene & p-Xylene	ND		2.00	0.380	ug/L			02/25/17 15:49	1
o-Xylene	ND		1.00	0.200	ug/L			02/25/17 15:49	1
Toluene	ND		1.00	0.170	ug/L			02/25/17 15:49	1
Xylenes, Total	ND		3.00	0.580	ug/L			02/25/17 15:49	1
DIPE	ND		2.00	0.170	ug/L			02/25/17 15:49	1
TAME	ND		1.00	0.170	ug/L			02/25/17 15:49	1
Ethyl tert-Butyl Ether (ETBE)	ND		1.00	0.210	ug/L			02/25/17 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*		*02/25/17 15:49*	*1*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*		*02/25/17 15:49*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*02/25/17 15:49*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*02/25/17 15:49*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70.4	ug/L			02/27/17 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*68.7 - 141*		*02/27/17 19:55*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**0.0782**	**J**	0.124	0.0414	mg/L		02/27/17 10:38	02/27/17 17:59	1
Residual Range Organics (RRO) (C25-C36)	ND		0.207	0.0621	mg/L		02/27/17 10:38	02/27/17 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*93*		*50 - 150*	*02/27/17 10:38*	*02/27/17 17:59*	*1*
n-Triacontane-d62	*98*		*50 - 150*	*02/27/17 10:38*	*02/27/17 17:59*	*1*

Client Sample ID: GW-060493-022317-CP-MW-3

Lab Sample ID: 590-5570-2
Date Collected: 02/23/17 10:06
Matrix: Water
Date Received: 02/24/17 14:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TBA	ND		10.0	3.90	ug/L			02/25/17 16:13	1
Benzene	ND		1.00	0.200	ug/L			02/25/17 16:13	1
Ethylbenzene	ND		1.00	0.190	ug/L			02/25/17 16:13	1
MTBE	ND		1.00	0.170	ug/L			02/25/17 16:13	1
m-Xylene & p-Xylene	ND		2.00	0.380	ug/L			02/25/17 16:13	1
o-Xylene	ND		1.00	0.200	ug/L			02/25/17 16:13	1
Toluene	ND		1.00	0.170	ug/L			02/25/17 16:13	1
Xylenes, Total	ND		3.00	0.580	ug/L			02/25/17 16:13	1
DIPE	ND		2.00	0.170	ug/L			02/25/17 16:13	1

Client Sample ID: GW-060493-022317-CP-MW-3

Lab Sample ID: 590-5570-2
Matrix: Water
Date Collected: 02/23/17 10:06
Date Received: 02/24/17 14:40

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TAME	ND		1.00	0.170	ug/L			02/25/17 16:13	1
Ethyl tert-Butyl Ether (ETBE)	ND		1.00	0.210	ug/L			02/25/17 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*02/25/17 16:13*	*1*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*		*02/25/17 16:13*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*02/25/17 16:13*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*02/25/17 16:13*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70.4	ug/L			02/27/17 20:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*68.7 - 141*		*02/27/17 20:16*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.122	0.0406	mg/L		02/27/17 10:38	02/27/17 18:16	1
Residual Range Organics (RRO) (C25-C36)	ND		0.203	0.0609	mg/L		02/27/17 10:38	02/27/17 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*89*		*50 - 150*	*02/27/17 10:38*	*02/27/17 18:16*	*1*
n-Triacontane-d62	*91*		*50 - 150*	*02/27/17 10:38*	*02/27/17 18:16*	*1*

Client Sample ID: GW-060493-022317-CP-MW-6

Lab Sample ID: 590-5570-3
Matrix: Water
Date Collected: 02/23/17 12:04
Date Received: 02/24/17 14:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TBA	ND		10.0	3.90	ug/L			02/25/17 21:07	1
Benzene	**32.0**		1.00	0.200	ug/L			02/25/17 21:07	1
Ethylbenzene	**183**		1.00	0.190	ug/L			02/25/17 21:07	1
MTBE	ND		1.00	0.170	ug/L			02/25/17 21:07	1
m-Xylene & p-Xylene	**103**		2.00	0.380	ug/L			02/25/17 21:07	1
o-Xylene	**1.46**		1.00	0.200	ug/L			02/25/17 21:07	1
Toluene	**5.21**		1.00	0.170	ug/L			02/25/17 21:07	1
Xylenes, Total	**104**		3.00	0.580	ug/L			02/25/17 21:07	1
DIPE	ND		2.00	0.170	ug/L			02/25/17 21:07	1
TAME	ND		1.00	0.170	ug/L			02/25/17 21:07	1
Ethyl tert-Butyl Ether (ETBE)	ND		1.00	0.210	ug/L			02/25/17 21:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*02/25/17 21:07*	*1*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*		*02/25/17 21:07*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*02/25/17 21:07*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*02/25/17 21:07*	*1*

Client Sample ID: GW-060493-022317-CP-MW-6

Lab Sample ID: 590-5570-3
Date Collected: 02/23/17 12:04
Matrix: Water
Date Received: 02/24/17 14:40

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	2500		150	70.4	ug/L			02/27/17 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*68.7 - 141*		*02/27/17 20:37*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	0.723		0.122	0.0405	mg/L		02/27/17 10:38	02/27/17 18:33	1
Residual Range Organics (RRO) (C25-C36)	0.0652	J	0.203	0.0608	mg/L		02/27/17 10:38	02/27/17 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*95*		*50 - 150*	*02/27/17 10:38*	*02/27/17 18:33*	*1*
n-Triacontane-d62	*99*		*50 - 150*	*02/27/17 10:38*	*02/27/17 18:33*	*1*

Client Sample ID: GW-060493-022317-CP-MW-9

Lab Sample ID: 590-5570-4
Date Collected: 02/23/17 12:39
Matrix: Water
Date Received: 02/24/17 14:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TBA	ND		10.0	3.90	ug/L			02/25/17 16:38	1
Benzene	ND		1.00	0.200	ug/L			02/25/17 16:38	1
Ethylbenzene	ND		1.00	0.190	ug/L			02/25/17 16:38	1
MTBE	ND		1.00	0.170	ug/L			02/25/17 16:38	1
m-Xylene & p-Xylene	ND		2.00	0.380	ug/L			02/25/17 16:38	1
o-Xylene	ND		1.00	0.200	ug/L			02/25/17 16:38	1
Toluene	ND		1.00	0.170	ug/L			02/25/17 16:38	1
Xylenes, Total	ND		3.00	0.580	ug/L			02/25/17 16:38	1
DIPE	ND		2.00	0.170	ug/L			02/25/17 16:38	1
TAME	ND		1.00	0.170	ug/L			02/25/17 16:38	1
Ethyl tert-Butyl Ether (ETBE)	ND		1.00	0.210	ug/L			02/25/17 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*02/25/17 16:38*	*1*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*		*02/25/17 16:38*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*02/25/17 16:38*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*02/25/17 16:38*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70.4	ug/L			02/27/17 20:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*68.7 - 141*		*02/27/17 20:58*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.127	0.0424	mg/L		02/27/17 10:38	02/27/17 18:50	1

Client Sample ID: GW-060493-022317-CP-MW-9

Lab Sample ID: 590-5570-4
Matrix: Water
Date Collected: 02/23/17 12:39
Date Received: 02/24/17 14:40

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Residual Range Organics (RRO) (C25-C36)	ND		0.212	0.0637	mg/L		02/27/17 10:38	02/27/17 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*93*		*50 - 150*	*02/27/17 10:38*	*02/27/17 18:50*	*1*
n-Triacontane-d62	*98*		*50 - 150*	*02/27/17 10:38*	*02/27/17 18:50*	*1*

Client Sample ID: GW-060493-022317-CP-VP-1

Lab Sample ID: 590-5570-5
Matrix: Water
Date Collected: 02/23/17 10:34
Date Received: 02/24/17 14:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TBA	ND		10.0	3.90	ug/L			02/25/17 17:02	1
Benzene	ND		1.00	0.200	ug/L			02/25/17 17:02	1
Ethylbenzene	ND		1.00	0.190	ug/L			02/25/17 17:02	1
MTBE	ND		1.00	0.170	ug/L			02/25/17 17:02	1
m-Xylene & p-Xylene	ND		2.00	0.380	ug/L			02/25/17 17:02	1
o-Xylene	ND		1.00	0.200	ug/L			02/25/17 17:02	1
Toluene	ND		1.00	0.170	ug/L			02/25/17 17:02	1
Xylenes, Total	ND		3.00	0.580	ug/L			02/25/17 17:02	1
DIPE	ND		2.00	0.170	ug/L			02/25/17 17:02	1
TAME	ND		1.00	0.170	ug/L			02/25/17 17:02	1
Ethyl tert-Butyl Ether (ETBE)	ND		1.00	0.210	ug/L			02/25/17 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*02/25/17 17:02*	*1*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*		*02/25/17 17:02*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*02/25/17 17:02*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*02/25/17 17:02*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70.4	ug/L			02/27/17 21:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*68.7 - 141*		*02/27/17 21:18*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.122	0.0408	mg/L		02/27/17 10:38	02/27/17 19:08	1
Residual Range Organics (RRO) (C25-C36)	ND		0.204	0.0612	mg/L		02/27/17 10:38	02/27/17 19:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*96*		*50 - 150*	*02/27/17 10:38*	*02/27/17 19:08*	*1*
n-Triacontane-d62	*101*		*50 - 150*	*02/27/17 10:38*	*02/27/17 19:08*	*1*

Client Sample ID: GW-060493-022317-CP-VP-2

Lab Sample ID: 590-5570-6
Date Collected: 02/23/17 11:00
Matrix: Water
Date Received: 02/24/17 14:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TBA	ND		10.0	3.90	ug/L			02/25/17 17:27	1
Benzene	ND		1.00	0.200	ug/L			02/25/17 17:27	1
Ethylbenzene	ND		1.00	0.190	ug/L			02/25/17 17:27	1
MTBE	ND		1.00	0.170	ug/L			02/25/17 17:27	1
m-Xylene & p-Xylene	ND		2.00	0.380	ug/L			02/25/17 17:27	1
o-Xylene	ND		1.00	0.200	ug/L			02/25/17 17:27	1
Toluene	ND		1.00	0.170	ug/L			02/25/17 17:27	1
Xylenes, Total	ND		3.00	0.580	ug/L			02/25/17 17:27	1
DIPE	ND		2.00	0.170	ug/L			02/25/17 17:27	1
TAME	ND		1.00	0.170	ug/L			02/25/17 17:27	1
Ethyl tert-Butyl Ether (ETBE)	ND		1.00	0.210	ug/L			02/25/17 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*02/25/17 17:27*	*1*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*02/25/17 17:27*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*02/25/17 17:27*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*02/25/17 17:27*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70.4	ug/L			02/27/17 21:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*68.7 - 141*		*02/27/17 21:39*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**0.0424**	**J**	0.123	0.0410	mg/L		02/27/17 10:38	02/27/17 19:42	1
Residual Range Organics (RRO) (C25-C36)	ND		0.205	0.0615	mg/L		02/27/17 10:38	02/27/17 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*91*		*50 - 150*	*02/27/17 10:38*	*02/27/17 19:42*	*1*
n-Triacontane-d62	*94*		*50 - 150*	*02/27/17 10:38*	*02/27/17 19:42*	*1*

Client Sample ID: GW-060493-022317-CP-VP-3

Lab Sample ID: 590-5570-7
Date Collected: 02/23/17 11:33
Matrix: Water
Date Received: 02/24/17 14:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TBA	ND		10.0	3.90	ug/L			02/25/17 17:51	1
Benzene	ND		1.00	0.200	ug/L			02/25/17 17:51	1
Ethylbenzene	ND		1.00	0.190	ug/L			02/25/17 17:51	1
MTBE	ND		1.00	0.170	ug/L			02/25/17 17:51	1
m-Xylene & p-Xylene	ND		2.00	0.380	ug/L			02/25/17 17:51	1
o-Xylene	ND		1.00	0.200	ug/L			02/25/17 17:51	1
Toluene	ND		1.00	0.170	ug/L			02/25/17 17:51	1
Xylenes, Total	ND		3.00	0.580	ug/L			02/25/17 17:51	1
DIPE	ND		2.00	0.170	ug/L			02/25/17 17:51	1

Client Sample ID: GW-060493-022317-CP-VP-3

Lab Sample ID: 590-5570-7
Date Collected: 02/23/17 11:33
Matrix: Water
Date Received: 02/24/17 14:40

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TAME	ND		1.00	0.170	ug/L			02/25/17 17:51	1
Ethyl tert-Butyl Ether (ETBE)	ND		1.00	0.210	ug/L			02/25/17 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*02/25/17 17:51*	*1*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*02/25/17 17:51*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*02/25/17 17:51*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*02/25/17 17:51*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**204**		150	70.4	ug/L			02/27/17 22:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*68.7 - 141*		*02/27/17 22:00*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**0.192**		0.121	0.0403	mg/L		02/27/17 10:38	02/27/17 19:59	1
Residual Range Organics (RRO) (C25-C36)	**0.105**	**J**	0.201	0.0604	mg/L		02/27/17 10:38	02/27/17 19:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*95*		*50 - 150*	*02/27/17 10:38*	*02/27/17 19:59*	*1*
n-Triacontane-d62	*97*		*50 - 150*	*02/27/17 10:38*	*02/27/17 19:59*	*1*

Client Sample ID: GW-060493-022317-CP-VP-7

Lab Sample ID: 590-5570-8
Date Collected: 02/23/17 13:31
Matrix: Water
Date Received: 02/24/17 14:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TBA	ND		10.0	3.90	ug/L			02/27/17 15:09	1
Benzene	**32.2**		1.00	0.200	ug/L			02/27/17 15:09	1
Ethylbenzene	**12.2**		1.00	0.190	ug/L			02/27/17 15:09	1
MTBE	ND		1.00	0.170	ug/L			02/27/17 15:09	1
m-Xylene & p-Xylene	**8.75**		2.00	0.380	ug/L			02/27/17 15:09	1
o-Xylene	**1.97**		1.00	0.200	ug/L			02/27/17 15:09	1
Toluene	**3.58**		1.00	0.170	ug/L			02/27/17 15:09	1
Xylenes, Total	**10.7**		3.00	0.580	ug/L			02/27/17 15:09	1
DIPE	ND		2.00	0.170	ug/L			02/27/17 15:09	1
TAME	ND		1.00	0.170	ug/L			02/27/17 15:09	1
Ethyl tert-Butyl Ether (ETBE)	ND		1.00	0.210	ug/L			02/27/17 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*02/27/17 15:09*	*1*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*02/27/17 15:09*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*02/27/17 15:09*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*02/27/17 15:09*	*1*

Client Sample ID: GW-060493-022317-CP-VP-7

Lab Sample ID: 590-5570-8
Date Collected: 02/23/17 13:31
Matrix: Water
Date Received: 02/24/17 14:40

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	197		150	70.4	ug/L			02/28/17 00:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*68.7 - 141*		*02/28/17 00:24*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	0.380		0.123	0.0410	mg/L		02/27/17 10:38	02/27/17 20:16	1
Residual Range Organics (RRO) (C25-C36)	0.375		0.205	0.0615	mg/L		02/27/17 10:38	02/27/17 20:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*95*		*50 - 150*	*02/27/17 10:38*	*02/27/17 20:16*	*1*
n-Triacontane-d62	*99*		*50 - 150*	*02/27/17 10:38*	*02/27/17 20:16*	*1*

Client Sample ID: GW-060493-022317-CP-VP-8

Lab Sample ID: 590-5570-9
Date Collected: 02/23/17 14:00
Matrix: Water
Date Received: 02/24/17 14:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TBA	ND		10.0	3.90	ug/L			02/25/17 15:24	1
Benzene	ND		1.00	0.200	ug/L			02/25/17 15:24	1
Ethylbenzene	ND		1.00	0.190	ug/L			02/25/17 15:24	1
MTBE	ND		1.00	0.170	ug/L			02/25/17 15:24	1
m-Xylene & p-Xylene	ND		2.00	0.380	ug/L			02/25/17 15:24	1
o-Xylene	ND		1.00	0.200	ug/L			02/25/17 15:24	1
Toluene	0.188	J	1.00	0.170	ug/L			02/25/17 15:24	1
Xylenes, Total	ND		3.00	0.580	ug/L			02/25/17 15:24	1
DIPE	ND		2.00	0.170	ug/L			02/25/17 15:24	1
TAME	ND		1.00	0.170	ug/L			02/25/17 15:24	1
Ethyl tert-Butyl Ether (ETBE)	ND		1.00	0.210	ug/L			02/25/17 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*02/25/17 15:24*	*1*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*02/25/17 15:24*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*02/25/17 15:24*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*02/25/17 15:24*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70.4	ug/L			02/28/17 01:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*68.7 - 141*		*02/28/17 01:05*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	0.328		0.126	0.0420	mg/L		02/27/17 10:38	02/27/17 20:33	1

Client: AECOM, Inc.
Project/Site: 210 NE 45th St., Seattle (60482000)

TestAmerica Job ID: 590-5570-1

Client Sample ID: GW-060493-022317-CP-VP-8

Lab Sample ID: 590-5570-9
Matrix: Water
Date Collected: 02/23/17 14:00
Date Received: 02/24/17 14:40

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Residual Range Organics (RRO) (C25-C36)	0.147	J	0.210	0.0629	mg/L		02/27/17 10:38	02/27/17 20:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*99*		*50 - 150*	*02/27/17 10:38*	*02/27/17 20:33*	*1*
n-Triacontane-d62	*103*		*50 - 150*	*02/27/17 10:38*	*02/27/17 20:33*	*1*

Client Sample ID: Trip Blank

Lab Sample ID: 590-5570-10
Matrix: Water
Date Collected: 02/23/17 08:15
Date Received: 02/24/17 14:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			02/28/17 01:26	1
Ethylbenzene	ND		1.00	0.198	ug/L			02/28/17 01:26	1
m,p-Xylene	ND		2.00	0.280	ug/L			02/28/17 01:26	1
o-Xylene	ND		1.00	0.162	ug/L			02/28/17 01:26	1
Toluene	ND		1.00	0.312	ug/L			02/28/17 01:26	1
Xylenes, Total	ND		3.00	0.442	ug/L			02/28/17 01:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 125*		*02/28/17 01:26*	*1*
4-Bromofluorobenzene (Surr)	*99*		*69 - 120*		*02/28/17 01:26*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*02/28/17 01:26*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*02/28/17 01:26*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 590-10881/5
Matrix: Water
Analysis Batch: 10881

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			02/28/17 00:04	1
Ethylbenzene	ND		1.00	0.198	ug/L			02/28/17 00:04	1
m,p-Xylene	ND		2.00	0.280	ug/L			02/28/17 00:04	1
o-Xylene	ND		1.00	0.162	ug/L			02/28/17 00:04	1
Toluene	ND		1.00	0.312	ug/L			02/28/17 00:04	1
Xylenes, Total	ND		3.00	0.442	ug/L			02/28/17 00:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 125*		*02/28/17 00:04*	*1*
4-Bromofluorobenzene (Surr)	*97*		*69 - 120*		*02/28/17 00:04*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*02/28/17 00:04*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*02/28/17 00:04*	*1*

Lab Sample ID: LCS 590-10881/1003
Matrix: Water
Analysis Batch: 10881

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	10.0	10.63		ug/L		106	80 - 120
Ethylbenzene	10.0	9.944		ug/L		99	80 - 120
m,p-Xylene	10.0	9.945		ug/L		99	80 - 120
o-Xylene	10.0	9.934		ug/L		99	80 - 120
Toluene	10.0	10.33		ug/L		103	80 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 125*
4-Bromofluorobenzene (Surr)	*102*		*69 - 120*
Dibromofluoromethane (Surr)	*105*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: MB 490-410446/7
Matrix: Water
Analysis Batch: 410446

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TBA	ND		10.0	3.90	ug/L			02/25/17 15:00	1
Benzene	ND		1.00	0.200	ug/L			02/25/17 15:00	1
Ethylbenzene	ND		1.00	0.190	ug/L			02/25/17 15:00	1
MTBE	ND		1.00	0.170	ug/L			02/25/17 15:00	1
m-Xylene & p-Xylene	ND		2.00	0.380	ug/L			02/25/17 15:00	1
o-Xylene	ND		1.00	0.200	ug/L			02/25/17 15:00	1
Toluene	ND		1.00	0.170	ug/L			02/25/17 15:00	1
Xylenes, Total	ND		3.00	0.580	ug/L			02/25/17 15:00	1
DIPE	ND		2.00	0.170	ug/L			02/25/17 15:00	1
TAME	ND		1.00	0.170	ug/L			02/25/17 15:00	1
Ethyl tert-Butyl Ether (ETBE)	ND		1.00	0.210	ug/L			02/25/17 15:00	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 490-410446/7
Matrix: Water
Analysis Batch: 410446

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		70 - 130		02/25/17 15:00	1
4-Bromofluorobenzene (Surr)	91		70 - 130		02/25/17 15:00	1
Dibromofluoromethane (Surr)	100		70 - 130		02/25/17 15:00	1
Toluene-d8 (Surr)	98		70 - 130		02/25/17 15:00	1

Lab Sample ID: LCS 490-410446/3
Matrix: Water
Analysis Batch: 410446

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
TBA	200	160.9		ug/L		80	54 - 150
Benzene	20.0	18.53		ug/L		93	80 - 121
Ethylbenzene	20.0	19.27		ug/L		96	80 - 130
MTBE	20.0	18.38		ug/L		92	72 - 133
m-Xylene & p-Xylene	20.0	18.81		ug/L		94	80 - 141
o-Xylene	20.0	18.99		ug/L		95	80 - 127
Toluene	20.0	18.47		ug/L		92	80 - 126
DIPE	20.0	17.25		ug/L		86	61 - 142
TAME	20.0	18.19		ug/L		91	63 - 135
Ethyl tert-Butyl Ether (ETBE)	20.0	17.84		ug/L		89	63 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 130
4-Bromofluorobenzene (Surr)	93		70 - 130
Dibromofluoromethane (Surr)	99		70 - 130
Toluene-d8 (Surr)	96		70 - 130

Lab Sample ID: LCSD 490-410446/4
Matrix: Water
Analysis Batch: 410446

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
TBA	200	131.1		ug/L		66	54 - 150	20	46
Benzene	20.0	18.79		ug/L		94	80 - 121	1	12
Ethylbenzene	20.0	19.27		ug/L		96	80 - 130	0	12
MTBE	20.0	18.45		ug/L		92	72 - 133	0	16
m-Xylene & p-Xylene	20.0	18.80		ug/L		94	80 - 141	0	12
o-Xylene	20.0	19.10		ug/L		95	80 - 127	1	11
Toluene	20.0	18.47		ug/L		92	80 - 126	0	13
DIPE	20.0	17.20		ug/L		86	61 - 142	0	14
TAME	20.0	18.70		ug/L		94	63 - 135	3	15
Ethyl tert-Butyl Ether (ETBE)	20.0	17.96		ug/L		90	63 - 135	1	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	92		70 - 130
4-Bromofluorobenzene (Surr)	93		70 - 130
Dibromofluoromethane (Surr)	99		70 - 130

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 490-410446/4
Matrix: Water
Analysis Batch: 410446

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	*96*		*70 - 130*

Lab Sample ID: MB 490-410624/7
Matrix: Water
Analysis Batch: 410624

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TBA	ND		10.0	3.90	ug/L			02/27/17 12:42	1
Benzene	ND		1.00	0.200	ug/L			02/27/17 12:42	1
Ethylbenzene	ND		1.00	0.190	ug/L			02/27/17 12:42	1
MTBE	ND		1.00	0.170	ug/L			02/27/17 12:42	1
m-Xylene & p-Xylene	ND		2.00	0.380	ug/L			02/27/17 12:42	1
o-Xylene	ND		1.00	0.200	ug/L			02/27/17 12:42	1
Toluene	ND		1.00	0.170	ug/L			02/27/17 12:42	1
Xylenes, Total	ND		3.00	0.580	ug/L			02/27/17 12:42	1
DIPE	ND		2.00	0.170	ug/L			02/27/17 12:42	1
TAME	ND		1.00	0.170	ug/L			02/27/17 12:42	1
Ethyl tert-Butyl Ether (ETBE)	ND		1.00	0.210	ug/L			02/27/17 12:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*02/27/17 12:42*	*1*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*02/27/17 12:42*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*02/27/17 12:42*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*02/27/17 12:42*	*1*

Lab Sample ID: LCS 490-410624/3
Matrix: Water
Analysis Batch: 410624

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
TBA	200	158.9		ug/L		79	54 - 150
Benzene	20.0	19.60		ug/L		98	80 - 121
Ethylbenzene	20.0	20.82		ug/L		104	80 - 130
MTBE	20.0	19.23		ug/L		96	72 - 133
m-Xylene & p-Xylene	20.0	20.29		ug/L		101	80 - 141
o-Xylene	20.0	20.60		ug/L		103	80 - 127
Toluene	20.0	19.75		ug/L		99	80 - 126
DIPE	20.0	18.10		ug/L		91	61 - 142
TAME	20.0	18.93		ug/L		95	63 - 135
Ethyl tert-Butyl Ether (ETBE)	20.0	18.86		ug/L		94	63 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
Dibromofluoromethane (Surr)	*99*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 490-410624/4
Matrix: Water
Analysis Batch: 410624

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
TBA			200	121.1		ug/L		61	54 - 150	27	46
Benzene			20.0	19.25		ug/L		96	80 - 121	2	12
Ethylbenzene			20.0	20.07		ug/L		100	80 - 130	4	12
MTBE			20.0	18.77		ug/L		94	72 - 133	2	16
m-Xylene & p-Xylene			20.0	19.76		ug/L		99	80 - 141	3	12
o-Xylene			20.0	19.99		ug/L		100	80 - 127	3	11
Toluene			20.0	19.22		ug/L		96	80 - 126	3	13
DIPE			20.0	17.96		ug/L		90	61 - 142	1	14
TAME			20.0	18.40		ug/L		92	63 - 135	3	15
Ethyl tert-Butyl Ether (ETBE)			20.0	18.32		ug/L		92	63 - 135	3	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
Dibromofluoromethane (Surr)	*98*		*70 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Lab Sample ID: MB 590-10863/5
Matrix: Water
Analysis Batch: 10863

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70.4	ug/L			02/27/17 11:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*68.7 - 141*		*02/27/17 11:33*	*1*

Lab Sample ID: LCS 590-10863/1004
Matrix: Water
Analysis Batch: 10863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline			1000	1057		ug/L		106	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*68.7 - 141*

Lab Sample ID: MB 590-10882/5
Matrix: Water
Analysis Batch: 10882

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70.4	ug/L			02/28/17 00:04	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS) (Continued)

Lab Sample ID: MB 590-10882/5
Matrix: Water
Analysis Batch: 10882

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		68.7 - 141		02/28/17 00:04	1

Lab Sample ID: LCS 590-10882/1004
Matrix: Water
Analysis Batch: 10882

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline			1000	979.1		ug/L		98	80 - 120		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		68.7 - 141

Lab Sample ID: 590-5570-8 DU
Matrix: Water
Analysis Batch: 10882

Client Sample ID: GW-060493-022317-CP-VP-7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Gasoline	197			154.4		ug/L				24	35

Surrogate	DU %Recovery	DU Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		68.7 - 141

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 590-10861/1-A
Matrix: Water
Analysis Batch: 10864

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10861

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.120	0.0400	mg/L		02/27/17 10:38	02/27/17 13:52	1
Residual Range Organics (RRO) (C25-C36)	ND		0.200	0.0600	mg/L		02/27/17 10:38	02/27/17 13:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	91		50 - 150	02/27/17 10:38	02/27/17 13:52	1
n-Triacontane-d62	94		50 - 150	02/27/17 10:38	02/27/17 13:52	1

Lab Sample ID: LCS 590-10861/2-A
Matrix: Water
Analysis Batch: 10864

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10861

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics (DRO) (C10-C25)			1.60	1.211		mg/L		76	50 - 150		
Residual Range Organics (RRO) (C25-C36)			1.60	1.267		mg/L		79	50 - 150		

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCS 590-10861/2-A
Matrix: Water
Analysis Batch: 10864

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10861

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*91*		*50 - 150*
n-Triacontane-d62	*94*		*50 - 150*

Lab Sample ID: LCSD 590-10861/3-A
Matrix: Water
Analysis Batch: 10864

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10861

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)			1.60	1.122		mg/L		70	50 - 150	8	25
Residual Range Organics (RRO) (C25-C36)			1.60	1.281		mg/L		80	50 - 150	1	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*96*		*50 - 150*
n-Triacontane-d62	*98*		*50 - 150*

GC/MS VOA

Analysis Batch: 10863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-5570-1	GW-060493-022317-CP-MW-2	Total/NA	Water	NWTPH-Gx	
590-5570-2	GW-060493-022317-CP-MW-3	Total/NA	Water	NWTPH-Gx	
590-5570-3	GW-060493-022317-CP-MW-6	Total/NA	Water	NWTPH-Gx	
590-5570-4	GW-060493-022317-CP-MW-9	Total/NA	Water	NWTPH-Gx	
590-5570-5	GW-060493-022317-CP-VP-1	Total/NA	Water	NWTPH-Gx	
590-5570-6	GW-060493-022317-CP-VP-2	Total/NA	Water	NWTPH-Gx	
590-5570-7	GW-060493-022317-CP-VP-3	Total/NA	Water	NWTPH-Gx	
MB 590-10863/5	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 590-10863/1004	Lab Control Sample	Total/NA	Water	NWTPH-Gx	

Analysis Batch: 10881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-5570-10	Trip Blank	Total/NA	Water	8260C	
MB 590-10881/5	Method Blank	Total/NA	Water	8260C	
LCS 590-10881/1003	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 10882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-5570-8	GW-060493-022317-CP-VP-7	Total/NA	Water	NWTPH-Gx	
590-5570-9	GW-060493-022317-CP-VP-8	Total/NA	Water	NWTPH-Gx	
MB 590-10882/5	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 590-10882/1004	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
590-5570-8 DU	GW-060493-022317-CP-VP-7	Total/NA	Water	NWTPH-Gx	

Analysis Batch: 410446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-5570-1	GW-060493-022317-CP-MW-2	Total/NA	Water	8260C	
590-5570-2	GW-060493-022317-CP-MW-3	Total/NA	Water	8260C	
590-5570-3	GW-060493-022317-CP-MW-6	Total/NA	Water	8260C	
590-5570-4	GW-060493-022317-CP-MW-9	Total/NA	Water	8260C	
590-5570-5	GW-060493-022317-CP-VP-1	Total/NA	Water	8260C	
590-5570-6	GW-060493-022317-CP-VP-2	Total/NA	Water	8260C	
590-5570-7	GW-060493-022317-CP-VP-3	Total/NA	Water	8260C	
590-5570-9	GW-060493-022317-CP-VP-8	Total/NA	Water	8260C	
MB 490-410446/7	Method Blank	Total/NA	Water	8260C	
LCS 490-410446/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 490-410446/4	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 410624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-5570-8	GW-060493-022317-CP-VP-7	Total/NA	Water	8260C	
MB 490-410624/7	Method Blank	Total/NA	Water	8260C	
LCS 490-410624/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 490-410624/4	Lab Control Sample Dup	Total/NA	Water	8260C	

GC Semi VOA

Prep Batch: 10861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-5570-1	GW-060493-022317-CP-MW-2	Total/NA	Water	3510C	

GC Semi VOA (Continued)

Prep Batch: 10861 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-5570-2	GW-060493-022317-CP-MW-3	Total/NA	Water	3510C	
590-5570-3	GW-060493-022317-CP-MW-6	Total/NA	Water	3510C	
590-5570-4	GW-060493-022317-CP-MW-9	Total/NA	Water	3510C	
590-5570-5	GW-060493-022317-CP-VP-1	Total/NA	Water	3510C	
590-5570-6	GW-060493-022317-CP-VP-2	Total/NA	Water	3510C	
590-5570-7	GW-060493-022317-CP-VP-3	Total/NA	Water	3510C	
590-5570-8	GW-060493-022317-CP-VP-7	Total/NA	Water	3510C	
590-5570-9	GW-060493-022317-CP-VP-8	Total/NA	Water	3510C	
MB 590-10861/1-A	Method Blank	Total/NA	Water	3510C	
LCS 590-10861/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 590-10861/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 10864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-5570-1	GW-060493-022317-CP-MW-2	Total/NA	Water	NWTPH-Dx	10861
590-5570-2	GW-060493-022317-CP-MW-3	Total/NA	Water	NWTPH-Dx	10861
590-5570-3	GW-060493-022317-CP-MW-6	Total/NA	Water	NWTPH-Dx	10861
590-5570-4	GW-060493-022317-CP-MW-9	Total/NA	Water	NWTPH-Dx	10861
590-5570-5	GW-060493-022317-CP-VP-1	Total/NA	Water	NWTPH-Dx	10861
590-5570-6	GW-060493-022317-CP-VP-2	Total/NA	Water	NWTPH-Dx	10861
590-5570-7	GW-060493-022317-CP-VP-3	Total/NA	Water	NWTPH-Dx	10861
590-5570-8	GW-060493-022317-CP-VP-7	Total/NA	Water	NWTPH-Dx	10861
590-5570-9	GW-060493-022317-CP-VP-8	Total/NA	Water	NWTPH-Dx	10861
MB 590-10861/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	10861
LCS 590-10861/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	10861
LCSD 590-10861/3-A	Lab Control Sample Dup	Total/NA	Water	NWTPH-Dx	10861

Lab Chronicle

Client: AECOM, Inc.
Project/Site: 210 NE 45th St., Seattle (60482000)

TestAmerica Job ID: 590-5570-1

Client Sample ID: GW-060493-022317-CP-MW-2

Lab Sample ID: 590-5570-1
Matrix: Water
Date Collected: 02/23/17 13:04
Date Received: 02/24/17 14:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	410446	02/25/17 15:49	RP	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	10863	02/27/17 19:55	MRS	TAL SPK
Total/NA	Prep	3510C			241.7 mL	2 mL	10861	02/27/17 10:38	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			10864	02/27/17 17:59	NMI	TAL SPK

Client Sample ID: GW-060493-022317-CP-MW-3

Lab Sample ID: 590-5570-2
Matrix: Water
Date Collected: 02/23/17 10:06
Date Received: 02/24/17 14:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	410446	02/25/17 16:13	RP	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	10863	02/27/17 20:16	MRS	TAL SPK
Total/NA	Prep	3510C			246.4 mL	2 mL	10861	02/27/17 10:38	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			10864	02/27/17 18:16	NMI	TAL SPK

Client Sample ID: GW-060493-022317-CP-MW-6

Lab Sample ID: 590-5570-3
Matrix: Water
Date Collected: 02/23/17 12:04
Date Received: 02/24/17 14:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	410446	02/25/17 21:07	RP	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	10863	02/27/17 20:37	MRS	TAL SPK
Total/NA	Prep	3510C			246.7 mL	2 mL	10861	02/27/17 10:38	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			10864	02/27/17 18:33	NMI	TAL SPK

Client Sample ID: GW-060493-022317-CP-MW-9

Lab Sample ID: 590-5570-4
Matrix: Water
Date Collected: 02/23/17 12:39
Date Received: 02/24/17 14:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	410446	02/25/17 16:38	RP	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	10863	02/27/17 20:58	MRS	TAL SPK
Total/NA	Prep	3510C			235.6 mL	2 mL	10861	02/27/17 10:38	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			10864	02/27/17 18:50	NMI	TAL SPK

Client Sample ID: GW-060493-022317-CP-VP-1

Lab Sample ID: 590-5570-5
Matrix: Water
Date Collected: 02/23/17 10:34
Date Received: 02/24/17 14:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	410446	02/25/17 17:02	RP	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	10863	02/27/17 21:18	MRS	TAL SPK

Lab Chronicle

Client: AECOM, Inc.
Project/Site: 210 NE 45th St., Seattle (60482000)

TestAmerica Job ID: 590-5570-1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			245.2 mL	2 mL	10861	02/27/17 10:38	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			10864	02/27/17 19:08	NMI	TAL SPK

Client Sample ID: GW-060493-022317-CP-VP-2

Lab Sample ID: 590-5570-6

Date Collected: 02/23/17 11:00

Matrix: Water

Date Received: 02/24/17 14:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	410446	02/25/17 17:27	RP	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	10863	02/27/17 21:39	MRS	TAL SPK
Total/NA	Prep	3510C			243.8 mL	2 mL	10861	02/27/17 10:38	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			10864	02/27/17 19:42	NMI	TAL SPK

Client Sample ID: GW-060493-022317-CP-VP-3

Lab Sample ID: 590-5570-7

Date Collected: 02/23/17 11:33

Matrix: Water

Date Received: 02/24/17 14:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	410446	02/25/17 17:51	RP	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	10863	02/27/17 22:00	MRS	TAL SPK
Total/NA	Prep	3510C			248.2 mL	2 mL	10861	02/27/17 10:38	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			10864	02/27/17 19:59	NMI	TAL SPK

Client Sample ID: GW-060493-022317-CP-VP-7

Lab Sample ID: 590-5570-8

Date Collected: 02/23/17 13:31

Matrix: Water

Date Received: 02/24/17 14:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	410624	02/27/17 15:09	KS	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	10882	02/28/17 00:24	MRS	TAL SPK
Total/NA	Prep	3510C			244 mL	2 mL	10861	02/27/17 10:38	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			10864	02/27/17 20:16	NMI	TAL SPK

Client Sample ID: GW-060493-022317-CP-VP-8

Lab Sample ID: 590-5570-9

Date Collected: 02/23/17 14:00

Matrix: Water

Date Received: 02/24/17 14:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	10 mL	10 mL	410446	02/25/17 15:24	RP	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	10882	02/28/17 01:05	MRS	TAL SPK
Total/NA	Prep	3510C			238.3 mL	2 mL	10861	02/27/17 10:38	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			10864	02/27/17 20:33	NMI	TAL SPK

Lab Chronicle

Client: AECOM, Inc.
Project/Site: 210 NE 45th St., Seattle (60482000)

TestAmerica Job ID: 590-5570-1

Client Sample ID: Trip Blank

Date Collected: 02/23/17 08:15
Date Received: 02/24/17 14:40

Lab Sample ID: 590-5570-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	10881	02/28/17 01:26	MRS	TAL SPK

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Qualifiers

GC/MS VOA

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

GC Semi VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: AECOM, Inc.
Project/Site: 210 NE 45th St., Seattle (60482000)

TestAmerica Job ID: 590-5570-1

Laboratory: TestAmerica Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Washington	State Program	10	C569	01-06-18

Analysis Method	Prep Method	Matrix	Analyte

Laboratory: TestAmerica Nashville

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Washington	State Program	10	C789	07-19-17

590-5570 Chain of Custody

Equilon Enterprises LLC dba Shell Oil Products US Chain Of Custody Record

AECOM

2/28/2017

Please Check Appropriate Box: ☐SGW FDG ☐PIPELINE ☑RETAIL ☐CHEMICALS ☐CONSULTANT ☐LUBES ☐TRANSPORTATION ☐OTHER

☐Other ( )

Lab Vendor # 1364589 (TestAmerica)

Print Bill To Contact Name: Renee Knecht

PO #

PlaNet Site or Project ID

GSAP Project ID

☐CHECK IF NO INCIDENT # APPLIES

DATE: 2/23/17

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services, Inc.

LOG CODE: BTSS

SITE ADDRESS: Street and City: 210 NE 45th St., Seattle

State: WA

AECOM Project / Task Number: 60482000

ADDRESS: 1680 Rogers Ave., San Jose, CA, 95112

EDF DELIVERABLE TO (Name, Company, Office Location): Renee Knecht, AECOM, Seattle, WA

PHONE NO.: 206-438-2371

E-MAIL: renee.knecht@aecom.com

AECOM Other ID

PROJECT CONTACT (Hardcopy or PDF Report to): Renee Knecht

TELEPHONE: 206-438-2371

FAX:

Bill To Contact E-MAIL: renee.knecht@aecom.com

SAMPLER NAME(S) (Print): Craig Peters

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS): ☑STANDARD (14 DAY) ☐5 DAYS ☐3 DAYS ☐2 DAYS ☐24 HOURS ☐RESULTS NEEDED ON WEEKEND

☐LA - RWQCB REPORT FORMAT ☑UST AGENCY: Washington Dept of Ecology

DELIVERABLES: ☐LEVEL 1 ☑LEVEL 2 ☐LEVEL 3 ☐LEVEL 4 ☐OTHER (SPECIFY)

TEMPERATURE ON RECEIPT C° Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

☑SHELL CONTRACT RATE APPLIES
☐STATE REIMBURSEMENT RATE APPLIES
☐EDD NOT NEEDED
☐RECEIPT VERIFICATION REQUESTED
☐PROVIDE LEDD DISK

REQUESTED ANALYSIS

UNIT COST: LAB-55 BTEX; SI LAB-123 - WA NW Dx Water; LAB-35 MTBE; LAB-36 TBA; LAB-36 TBA; LAB-37 DIPE; LAB-38 TAME; LAB-39 ETBE; TPH-D

NON-UNIT COST: WA - NWTPH-Gx; 5 Oxygenates

FIELD NOTES:

TEMPERATURE ON RECEIPT C° 2.1°C IR0004

Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	LAB-55 BTEX	SI LAB-123 - WA NW Dx Water	LAB-35 MTBE	LAB-36 TBA	LAB-36 TBA	LAB-37 DIPE	LAB-38 TAME	LAB-39 ETBE	TPH-D	WA - NWTPH-Gx	5 Oxygenates
	GW-060493-022317-CP-MW-2	2/23/17	1304	WG	X					6	X	X							X	X	X
	GW-060493-022317-CP-MW-3		1006	WG	X					6	X	X							X	X	X
	GW-060493-022317-CP-MW-6		1204	WG	X					6	X	X							X	X	X
	GW-060493-022317-CP-MW-9		1239	WG	X					6	X	X							X	X	X
	GW-060493-022317-CP-VP-1		1034	WG	X					6	X	X							X	X	X
	GW-060493-022317-CP-VP-2		1100	WG	X					6	X	X							X	X	X
	GW-060493-022317-CP-VP-3		1133	WG	X					6	X	X							X	X	X
	GW-060493-022317-CP-VP-7		1331	WG	X					6	X	X							X	X	X
	GW-060493-022317-CP-VP-8		1400	WG	X					6	X	X							X	X	X
	TB		0915	WG	X					2	X									X	

Relinquished by: (Signature) Craig Peters	Received by: (Signature) Shipped via FedEx	Date: 2/23/17	Time:
Relinquished by: (Signature)	Received by: (Signature) Sheila Kraly TM Stock	Date: 2/24/17	Time: 14:20
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 14Dec15

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

590-5570 Chain of Custody

Cooler Received/Opened On 02-25-2017 @ 09:20

Time Samples Removed From Cooler 10:30 Time Samples Placed In Storage 11:50 (2 Hour Window)

1. Tracking # 5252 (last 4 digits, FedEx) Courier: _FedEx_

   IR Gun ID 31470366 pH Strip Lot N/A Chlorine Strip Lot N/A

2. Temperature of rep. sample or temp blank when opened: 0.2 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO (NA)

4. Were custody seals on outside of cooler? (YES)...NO...NA

   If yes, how many and where: 1 (front)

5. Were the seals intact, signed, and dated correctly? (YES)...NO...NA

6. Were custody papers inside cooler? (YES)...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) KD

7. Were custody seals on containers: YES (NO) and Intact YES...NO...(NA)

   Were these signed and dated correctly? YES...NO...(NA)

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)...NO...NA

12. Did all container labels and tags agree with custody papers? (YES)...NO...NA

13a. Were VOA vials received? (YES)...NO...NA 2-25-17

b. Was there any observable headspace present in any VOA vial? YES...(NO)...(NA)

14. Was there a Trip Blank in this cooler? YES...(NO)...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (initial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..(NA)

b. Did the bottle labels indicate that the correct preservatives were used (YES)...NO...NA

16. Was residual chlorine present? YES...NO...(NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) _____

17. Were custody papers properly filled out (ink, signed, etc)? (YES)...NO...NA

18. Did you sign the custody papers in the appropriate place? (YES)...NO...NA

19. Were correct containers used for the analysis requested? (YES)...NO...NA

20. Was sufficient amount of sample sent in each container? (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) _____

I certify that I attached a label with the unique LIMS number to each container (initial) _____

21. Were there Non-Conformance issues at login? YES...(NO) Was a NCM generated? YES..(NO)..#_____

BIS = Broken in shipment

TestAmerica Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone (509) 924-9200 Fax (509) 924-9290

Chain of Custody Record

Loc: 590
5570

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2/28/2017

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Arrington, Randee E	COC No: 590-2502.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: randee.arrington@testamericainc.com	State of Origin: Washington	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note): State Program - Washington	Job #: 590-5570-1
Address: 2960 Foster Creighton Drive,	Due Date Requested: 3/8/2017		
City: Nashville	TAT Requested (days):		
State, Zip: TN, 37204			
Phone: 615-726-0177(Tel) 615-726-3404(Fax)	PO #:		
Email:	WO #:		
Project Name: 210 NE 45th St., Seattle (60482000)	Project #: 59000794		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C/5030C (MOD) BTEX + 5 Oxy's	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
GW-060493-022317-CP-MW-2 (590-5570-1)	2/23/17	13:04 Pacific		Water			X	2	
GW-060493-022317-CP-MW-3 (590-5570-2)	2/23/17	10:06 Pacific		Water			X	2	
GW-060493-022317-CP-MW-6 (590-5570-3)	2/23/17	12:04 Pacific		Water			X	2	
GW-060493-022317-CP-MW-9 (590-5570-4)	2/23/17	12:39 Pacific		Water			X	2	
GW-060493-022317-CP-VP-1 (590-5570-5)	2/23/17	10:34 Pacific		Water			X	2	
GW-060493-022317-CP-VP-2 (590-5570-6)	2/23/17	11:00 Pacific		Water			X	2	
GW-060493-022317-CP-VP-3 (590-5570-7)	2/23/17	11:33 Pacific		Water			X	2	
GW-060493-022317-CP-VP-7 (590-5570-8)	2/23/17	13:31 Pacific		Water			X	2	
GW-060493-022317-CP-VP-8 (590-5570-9)	2/23/17	14:00 Pacific		Water			X	2	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Sheila Kraly	Date/Time: 2/24/17 1510	Company TA Spokane	Received by:	Date/Time: 2-25-17 0920	Company TAN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by.	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.2

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 590-5570-1

Login Number: 5570
List Number: 1
Creator: Kratz, Sheila J

List Source: TestAmerica Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 590-5570-1

Login Number: 5570
List Number: 2
Creator: West, Derrick D

List Source: TestAmerica Nashville
List Creation: 02/25/17 11:31 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

TestAmerica Job ID: 590-6917-1
Client Project/Site: 210 NE 45th St., Seattle/60527984

For:
AECOM, Inc.
1111 Third Ave
Suite 1600
Seattle, Washington 98101

Attn: Renee Knecht

Authorized for release by:
8/30/2017 10:31:23 AM

Randee Arrington, Project Manager II
(509)924-9200
randee.arrington@testamericainc.com

Table of Contents

Job ID: 590-6917-1

Laboratory: TestAmerica Spokane

Narrative

Receipt
The samples were received on 8/25/2017 12:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.3º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
Method NWTPH-Dx: The method blank for preparation batch 590-13583 and analytical batch 590-13591 contained Diesel Range Organics (DRO) (C10-C25) above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL); therefore, re-extraction and re-analysis of samples was not performed.

Method NWTPH-Dx: Detected hydrocarbons in the diesel range appear to be due to gasoline overlap in the following samples: GW-060493-082417-CP-MW-2 (590-6917-1), GW-060493-082417-CP-MW-6 (590-6917-3), GW-060493-082417-CP-VP-3 (590-6917-6), GW-060493-082417-CP-VP-7 (590-6917-7) and GW-060493-082417-CP-VP-8 (590-6917-8).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: AECOM, Inc.
Project/Site: 210 NE 45th St., Seattle/60527984

TestAmerica Job ID: 590-6917-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-6917-1	GW-060493-082417-CP-MW-2	Water	08/24/17 12:23	08/25/17 12:10
590-6917-2	GW-060493-082417-CP-MW-3	Water	08/24/17 10:25	08/25/17 12:10
590-6917-3	GW-060493-082417-CP-MW-6	Water	08/24/17 08:57	08/25/17 12:10
590-6917-4	GW-060493-082417-CP-VP-1	Water	08/24/17 12:48	08/25/17 12:10
590-6917-5	GW-060493-082417-CP-VP-2	Water	08/24/17 11:33	08/25/17 12:10
590-6917-6	GW-060493-082417-CP-VP-3	Water	08/24/17 11:59	08/25/17 12:10
590-6917-7	GW-060493-082417-CP-VP-7	Water	08/24/17 10:48	08/25/17 12:10
590-6917-8	GW-060493-082417-CP-VP-8	Water	08/24/17 13:16	08/25/17 12:10
590-6917-9	Trip Blank	Water	08/24/17 07:15	08/25/17 12:10

Method Summary

Client: AECOM, Inc.
Project/Site: 210 NE 45th St., Seattle/60527984

TestAmerica Job ID: 590-6917-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL SPK
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC/MS)	NWTPH	TAL SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	TAL SPK

Protocol References:

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Detection Summary

Client: AECOM, Inc.
Project/Site: 210 NE 45th St., Seattle/60527984

TestAmerica Job ID: 590-6917-1

Client Sample ID: GW-060493-082417-CP-MW-2 — Lab Sample ID: 590-6917-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.279	J	0.400	0.0930	ug/L	1		8260C	Total/NA
Ethylbenzene	288		10.0	1.98	ug/L	10		8260C	Total/NA
m,p-Xylene	37.4		2.00	0.280	ug/L	1		8260C	Total/NA
o-Xylene	1.98		1.00	0.162	ug/L	1		8260C	Total/NA
Toluene	1.84		1.00	0.312	ug/L	1		8260C	Total/NA
Xylenes, Total	39.4		3.00	0.442	ug/L	1		8260C	Total/NA
Gasoline	3220		150	70.4	ug/L	1		NWTPH-Gx	Total/NA
Diesel Range Organics (DRO) (C10-C25)	1.22	B	0.251	0.0838	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: GW-060493-082417-CP-MW-3 — Lab Sample ID: 590-6917-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.417	J	1.00	0.198	ug/L	1		8260C	Total/NA
Diesel Range Organics (DRO) (C10-C25)	0.151	J B	0.252	0.0841	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: GW-060493-082417-CP-MW-6 — Lab Sample ID: 590-6917-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	68.1		0.400	0.0930	ug/L	1		8260C	Total/NA
Ethylbenzene	284		10.0	1.98	ug/L	10		8260C	Total/NA
m,p-Xylene	267		20.0	2.80	ug/L	10		8260C	Total/NA
o-Xylene	5.21		1.00	0.162	ug/L	1		8260C	Total/NA
Toluene	11.9		1.00	0.312	ug/L	1		8260C	Total/NA
Xylenes, Total	272		30.0	4.42	ug/L	10		8260C	Total/NA
Gasoline	4580		150	70.4	ug/L	1		NWTPH-Gx	Total/NA
Diesel Range Organics (DRO) (C10-C25)	1.21	B	0.252	0.0841	mg/L	1		NWTPH-Dx	Total/NA
Residual Range Organics (RRO) (C25-C36)	0.481		0.421	0.126	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: GW-060493-082417-CP-VP-1 — Lab Sample ID: 590-6917-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics (DRO) (C10-C25)	0.163	J B	0.259	0.0864	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: GW-060493-082417-CP-VP-2 — Lab Sample ID: 590-6917-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics (DRO) (C10-C25)	0.210	J B	0.254	0.0846	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: GW-060493-082417-CP-VP-3 — Lab Sample ID: 590-6917-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.607		0.400	0.0930	ug/L	1		8260C	Total/NA
o-Xylene	0.271	J	1.00	0.162	ug/L	1		8260C	Total/NA
Toluene	3.12		1.00	0.312	ug/L	1		8260C	Total/NA
Gasoline	335		150	70.4	ug/L	1		NWTPH-Gx	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AECOM, Inc.
Project/Site: 210 NE 45th St., Seattle/60527984

TestAmerica Job ID: 590-6917-1

Client Sample ID: GW-060493-082417-CP-VP-3 (Continued) — Lab Sample ID: 590-6917-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics (DRO) (C10-C25)	1.89	B	0.266	0.0886	mg/L	1		NWTPH-Dx	Total/NA
Residual Range Organics (RRO) (C25-C36)	0.173	J	0.443	0.133	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: GW-060493-082417-CP-VP-7 — Lab Sample ID: 590-6917-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1840		8.00	1.86	ug/L	20		8260C	Total/NA
Ethylbenzene	677		20.0	3.96	ug/L	20		8260C	Total/NA
m,p-Xylene	1270		40.0	5.60	ug/L	20		8260C	Total/NA
o-Xylene	326		20.0	3.24	ug/L	20		8260C	Total/NA
Toluene	385		20.0	6.24	ug/L	20		8260C	Total/NA
Xylenes, Total	1600		60.0	8.84	ug/L	20		8260C	Total/NA
Gasoline	12100		3000	1410	ug/L	20		NWTPH-Gx	Total/NA
Diesel Range Organics (DRO) (C10-C25)	2.32	B	0.261	0.0868	mg/L	1		NWTPH-Dx	Total/NA
Residual Range Organics (RRO) (C25-C36)	0.580		0.434	0.130	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: GW-060493-082417-CP-VP-8 — Lab Sample ID: 590-6917-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.240	J	1.00	0.198	ug/L	1		8260C	Total/NA
m,p-Xylene	0.419	J	2.00	0.280	ug/L	1		8260C	Total/NA
o-Xylene	0.296	J	1.00	0.162	ug/L	1		8260C	Total/NA
Xylenes, Total	0.715	J	3.00	0.442	ug/L	1		8260C	Total/NA
Gasoline	98.5	J	150	70.4	ug/L	1		NWTPH-Gx	Total/NA
Diesel Range Organics (DRO) (C10-C25)	3.12	B	0.250	0.0832	mg/L	1		NWTPH-Dx	Total/NA
Residual Range Organics (RRO) (C25-C36)	0.243	J	0.416	0.125	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 590-6917-9

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: GW-060493-082417-CP-MW-2

Lab Sample ID: 590-6917-1
Date Collected: 08/24/17 12:23
Matrix: Water
Date Received: 08/25/17 12:10

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.279**	**J**	0.400	0.0930	ug/L			08/28/17 16:47	1
Ethylbenzene	**288**		10.0	1.98	ug/L			08/29/17 12:46	10
m,p-Xylene	**37.4**		2.00	0.280	ug/L			08/28/17 16:47	1
o-Xylene	**1.98**		1.00	0.162	ug/L			08/28/17 16:47	1
Toluene	**1.84**		1.00	0.312	ug/L			08/28/17 16:47	1
Xylenes, Total	**39.4**		3.00	0.442	ug/L			08/28/17 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 125*		*08/28/17 16:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 125*		*08/29/17 12:46*	*10*
4-Bromofluorobenzene (Surr)	*99*		*69 - 120*		*08/28/17 16:47*	*1*
4-Bromofluorobenzene (Surr)	*99*		*69 - 120*		*08/29/17 12:46*	*10*
Dibromofluoromethane (Surr)	*91*		*80 - 120*		*08/28/17 16:47*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*08/29/17 12:46*	*10*
Toluene-d8 (Surr)	*93*		*80 - 120*		*08/28/17 16:47*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/29/17 12:46*	*10*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**3220**		150	70.4	ug/L			08/28/17 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*68.7 - 141*		*08/28/17 16:47*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**1.22**	**B**	0.251	0.0838	mg/L		08/29/17 09:40	08/29/17 16:16	1
Residual Range Organics (RRO) (C25-C36)	ND		0.419	0.126	mg/L		08/29/17 09:40	08/29/17 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*89*		*50 - 150*	*08/29/17 09:40*	*08/29/17 16:16*	*1*
n-Triacontane-d62	*79*		*50 - 150*	*08/29/17 09:40*	*08/29/17 16:16*	*1*

Client Sample ID: GW-060493-082417-CP-MW-3

Lab Sample ID: 590-6917-2
Date Collected: 08/24/17 10:25
Matrix: Water
Date Received: 08/25/17 12:10

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			08/28/17 17:49	1
Ethylbenzene	**0.417**	**J**	1.00	0.198	ug/L			08/28/17 17:49	1
m,p-Xylene	ND		2.00	0.280	ug/L			08/28/17 17:49	1
o-Xylene	ND		1.00	0.162	ug/L			08/28/17 17:49	1
Toluene	ND		1.00	0.312	ug/L			08/28/17 17:49	1
Xylenes, Total	ND		3.00	0.442	ug/L			08/28/17 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 125*		*08/28/17 17:49*	*1*
4-Bromofluorobenzene (Surr)	*102*		*69 - 120*		*08/28/17 17:49*	*1*

Client Sample ID: GW-060493-082417-CP-MW-3

Lab Sample ID: 590-6917-2
Date Collected: 08/24/17 10:25
Matrix: Water
Date Received: 08/25/17 12:10

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*08/28/17 17:49*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/28/17 17:49*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70.4	ug/L			08/28/17 17:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*102*		*68.7 - 141*		*08/28/17 17:49*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**0.151**	**J B**	0.252	0.0841	mg/L		08/29/17 09:40	08/29/17 16:35	1
Residual Range Organics (RRO) (C25-C36)	ND		0.420	0.126	mg/L		08/29/17 09:40	08/29/17 16:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*93*		*50 - 150*	*08/29/17 09:40*	*08/29/17 16:35*	*1*
n-Triacontane-d62	*84*		*50 - 150*	*08/29/17 09:40*	*08/29/17 16:35*	*1*

Client Sample ID: GW-060493-082417-CP-MW-6

Lab Sample ID: 590-6917-3
Date Collected: 08/24/17 08:57
Matrix: Water
Date Received: 08/25/17 12:10

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**68.1**		0.400	0.0930	ug/L			08/28/17 18:51	1
Ethylbenzene	**284**		10.0	1.98	ug/L			08/29/17 13:07	10
m,p-Xylene	**267**		20.0	2.80	ug/L			08/29/17 13:07	10
o-Xylene	**5.21**		1.00	0.162	ug/L			08/28/17 18:51	1
Toluene	**11.9**		1.00	0.312	ug/L			08/28/17 18:51	1
Xylenes, Total	**272**		30.0	4.42	ug/L			08/29/17 13:07	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 125*		*08/28/17 18:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 125*		*08/29/17 13:07*	*10*
4-Bromofluorobenzene (Surr)	*102*		*69 - 120*		*08/28/17 18:51*	*1*
4-Bromofluorobenzene (Surr)	*100*		*69 - 120*		*08/29/17 13:07*	*10*
Dibromofluoromethane (Surr)	*82*		*80 - 120*		*08/28/17 18:51*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*08/29/17 13:07*	*10*
Toluene-d8 (Surr)	*92*		*80 - 120*		*08/28/17 18:51*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/29/17 13:07*	*10*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**4580**		150	70.4	ug/L			08/28/17 18:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*102*		*68.7 - 141*		*08/28/17 18:51*	*1*

Client Sample ID: GW-060493-082417-CP-MW-6

Lab Sample ID: 590-6917-3

Date Collected: 08/24/17 08:57

Matrix: Water

Date Received: 08/25/17 12:10

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	1.21	B	0.252	0.0841	mg/L		08/29/17 09:40	08/29/17 16:53	1
Residual Range Organics (RRO) (C25-C36)	0.481		0.421	0.126	mg/L		08/29/17 09:40	08/29/17 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*96*		*50 - 150*	*08/29/17 09:40*	*08/29/17 16:53*	*1*
n-Triacontane-d62	*95*		*50 - 150*	*08/29/17 09:40*	*08/29/17 16:53*	*1*

Client Sample ID: GW-060493-082417-CP-VP-1

Lab Sample ID: 590-6917-4

Date Collected: 08/24/17 12:48

Matrix: Water

Date Received: 08/25/17 12:10

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			08/28/17 19:12	1
Ethylbenzene	ND		1.00	0.198	ug/L			08/28/17 19:12	1
m,p-Xylene	ND		2.00	0.280	ug/L			08/28/17 19:12	1
o-Xylene	ND		1.00	0.162	ug/L			08/28/17 19:12	1
Toluene	ND		1.00	0.312	ug/L			08/28/17 19:12	1
Xylenes, Total	ND		3.00	0.442	ug/L			08/28/17 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 125*		*08/28/17 19:12*	*1*
4-Bromofluorobenzene (Surr)	*99*		*69 - 120*		*08/28/17 19:12*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*08/28/17 19:12*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/28/17 19:12*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70.4	ug/L			08/28/17 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*68.7 - 141*		*08/28/17 19:12*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	0.163	J B	0.259	0.0864	mg/L		08/29/17 09:40	08/29/17 17:11	1
Residual Range Organics (RRO) (C25-C36)	ND		0.432	0.130	mg/L		08/29/17 09:40	08/29/17 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*98*		*50 - 150*	*08/29/17 09:40*	*08/29/17 17:11*	*1*
n-Triacontane-d62	*92*		*50 - 150*	*08/29/17 09:40*	*08/29/17 17:11*	*1*

Client Sample ID: GW-060493-082417-CP-VP-2

Lab Sample ID: 590-6917-5
Matrix: Water
Date Collected: 08/24/17 11:33
Date Received: 08/25/17 12:10

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			08/28/17 19:34	1
Ethylbenzene	ND		1.00	0.198	ug/L			08/28/17 19:34	1
m,p-Xylene	ND		2.00	0.280	ug/L			08/28/17 19:34	1
o-Xylene	ND		1.00	0.162	ug/L			08/28/17 19:34	1
Toluene	ND		1.00	0.312	ug/L			08/28/17 19:34	1
Xylenes, Total	ND		3.00	0.442	ug/L			08/28/17 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 125*		*08/28/17 19:34*	*1*
4-Bromofluorobenzene (Surr)	*103*		*69 - 120*		*08/28/17 19:34*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*08/28/17 19:34*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/28/17 19:34*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70.4	ug/L			08/28/17 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*68.7 - 141*		*08/28/17 19:34*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**0.210**	**J B**	0.254	0.0846	mg/L		08/29/17 09:40	08/29/17 17:29	1
Residual Range Organics (RRO) (C25-C36)	ND		0.423	0.127	mg/L		08/29/17 09:40	08/29/17 17:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*105*		*50 - 150*	*08/29/17 09:40*	*08/29/17 17:29*	*1*
n-Triacontane-d62	*94*		*50 - 150*	*08/29/17 09:40*	*08/29/17 17:29*	*1*

Client Sample ID: GW-060493-082417-CP-VP-3

Lab Sample ID: 590-6917-6
Matrix: Water
Date Collected: 08/24/17 11:59
Date Received: 08/25/17 12:10

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.607**		0.400	0.0930	ug/L			08/28/17 19:54	1
Ethylbenzene	ND		1.00	0.198	ug/L			08/28/17 19:54	1
m,p-Xylene	ND		2.00	0.280	ug/L			08/28/17 19:54	1
o-Xylene	**0.271**	**J**	1.00	0.162	ug/L			08/28/17 19:54	1
Toluene	**3.12**		1.00	0.312	ug/L			08/28/17 19:54	1
Xylenes, Total	ND		3.00	0.442	ug/L			08/28/17 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 125*		*08/28/17 19:54*	*1*
4-Bromofluorobenzene (Surr)	*103*		*69 - 120*		*08/28/17 19:54*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*08/28/17 19:54*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/28/17 19:54*	*1*

Client Sample ID: GW-060493-082417-CP-VP-3

Lab Sample ID: 590-6917-6
Matrix: Water
Date Collected: 08/24/17 11:59
Date Received: 08/25/17 12:10

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	335		150	70.4	ug/L			08/28/17 19:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		68.7 - 141		08/28/17 19:54	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	1.89	B	0.266	0.0886	mg/L		08/29/17 09:40	08/29/17 17:47	1
Residual Range Organics (RRO) (C25-C36)	0.173	J	0.443	0.133	mg/L		08/29/17 09:40	08/29/17 17:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	99		50 - 150	08/29/17 09:40	08/29/17 17:47	1
n-Triacontane-d62	95		50 - 150	08/29/17 09:40	08/29/17 17:47	1

Client Sample ID: GW-060493-082417-CP-VP-7

Lab Sample ID: 590-6917-7
Matrix: Water
Date Collected: 08/24/17 10:48
Date Received: 08/25/17 12:10

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1840		8.00	1.86	ug/L			08/29/17 13:28	20
Ethylbenzene	677		20.0	3.96	ug/L			08/29/17 13:28	20
m,p-Xylene	1270		40.0	5.60	ug/L			08/29/17 13:28	20
o-Xylene	326		20.0	3.24	ug/L			08/29/17 13:28	20
Toluene	385		20.0	6.24	ug/L			08/29/17 13:28	20
Xylenes, Total	1600		60.0	8.84	ug/L			08/29/17 13:28	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		70 - 125		08/29/17 13:28	20
4-Bromofluorobenzene (Surr)	98		69 - 120		08/29/17 13:28	20
Dibromofluoromethane (Surr)	107		80 - 120		08/29/17 13:28	20
Toluene-d8 (Surr)	100		80 - 120		08/29/17 13:28	20

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	12100		3000	1410	ug/L			08/29/17 13:28	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		68.7 - 141		08/29/17 13:28	20

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	2.32	B	0.261	0.0868	mg/L		08/29/17 09:40	08/29/17 18:24	1
Residual Range Organics (RRO) (C25-C36)	0.580		0.434	0.130	mg/L		08/29/17 09:40	08/29/17 18:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	104		50 - 150	08/29/17 09:40	08/29/17 18:24	1
n-Triacontane-d62	102		50 - 150	08/29/17 09:40	08/29/17 18:24	1

Client Sample ID: GW-060493-082417-CP-VP-8

Lab Sample ID: 590-6917-8
Matrix: Water
Date Collected: 08/24/17 13:16
Date Received: 08/25/17 12:10

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			08/29/17 13:48	1
Ethylbenzene	**0.240**	**J**	1.00	0.198	ug/L			08/29/17 13:48	1
m,p-Xylene	**0.419**	**J**	2.00	0.280	ug/L			08/29/17 13:48	1
o-Xylene	**0.296**	**J**	1.00	0.162	ug/L			08/29/17 13:48	1
Toluene	ND		1.00	0.312	ug/L			08/29/17 13:48	1
Xylenes, Total	**0.715**	**J**	3.00	0.442	ug/L			08/29/17 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 125*		*08/29/17 13:48*	*1*
4-Bromofluorobenzene (Surr)	*99*		*69 - 120*		*08/29/17 13:48*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*08/29/17 13:48*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/29/17 13:48*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**98.5**	**J**	150	70.4	ug/L			08/29/17 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*68.7 - 141*		*08/29/17 13:48*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**3.12**	**B**	0.250	0.0832	mg/L		08/29/17 09:40	08/29/17 18:42	1
Residual Range Organics (RRO) (C25-C36)	**0.243**	**J**	0.416	0.125	mg/L		08/29/17 09:40	08/29/17 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*110*		*50 - 150*	*08/29/17 09:40*	*08/29/17 18:42*	*1*
n-Triacontane-d62	*103*		*50 - 150*	*08/29/17 09:40*	*08/29/17 18:42*	*1*

Client Sample ID: Trip Blank

Lab Sample ID: 590-6917-9
Matrix: Water
Date Collected: 08/24/17 07:15
Date Received: 08/25/17 12:10

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			08/28/17 21:19	1
Ethylbenzene	ND		1.00	0.198	ug/L			08/28/17 21:19	1
m,p-Xylene	ND		2.00	0.280	ug/L			08/28/17 21:19	1
o-Xylene	ND		1.00	0.162	ug/L			08/28/17 21:19	1
Toluene	ND		1.00	0.312	ug/L			08/28/17 21:19	1
Xylenes, Total	ND		3.00	0.442	ug/L			08/28/17 21:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 125*		*08/28/17 21:19*	*1*
4-Bromofluorobenzene (Surr)	*100*		*69 - 120*		*08/28/17 21:19*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*08/28/17 21:19*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/28/17 21:19*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 590-13557/6
Matrix: Water
Analysis Batch: 13557

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			08/28/17 13:01	1
Ethylbenzene	ND		1.00	0.198	ug/L			08/28/17 13:01	1
m,p-Xylene	ND		2.00	0.280	ug/L			08/28/17 13:01	1
o-Xylene	ND		1.00	0.162	ug/L			08/28/17 13:01	1
Toluene	ND		1.00	0.312	ug/L			08/28/17 13:01	1
Xylenes, Total	ND		3.00	0.442	ug/L			08/28/17 13:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 125*		*08/28/17 13:01*	*1*
4-Bromofluorobenzene (Surr)	*99*		*69 - 120*		*08/28/17 13:01*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*08/28/17 13:01*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/28/17 13:01*	*1*

Lab Sample ID: LCS 590-13557/1004
Matrix: Water
Analysis Batch: 13557

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			10.0	9.912		ug/L		99	80 - 120		
Ethylbenzene			10.0	9.996		ug/L		100	80 - 120		
m,p-Xylene			10.0	9.787		ug/L		98	80 - 120		
o-Xylene			10.0	9.948		ug/L		99	80 - 120		
Toluene			10.0	9.718		ug/L		97	80 - 123		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 125*
4-Bromofluorobenzene (Surr)	*103*		*69 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LCSD 590-13557/7
Matrix: Water
Analysis Batch: 13557

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			10.0	9.782		ug/L		98	80 - 120	1	25
Ethylbenzene			10.0	9.411		ug/L		94	80 - 120	6	25
m,p-Xylene			10.0	9.564		ug/L		96	80 - 120	2	25
o-Xylene			10.0	9.481		ug/L		95	80 - 120	5	25
Toluene			10.0	9.357		ug/L		94	80 - 123	4	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 125*
4-Bromofluorobenzene (Surr)	*105*		*69 - 120*
Dibromofluoromethane (Surr)	*105*		*80 - 120*
Toluene-d8 (Surr)	*96*		*80 - 120*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 590-6917-1 MS
Matrix: Water
Analysis Batch: 13557

Client Sample ID: GW-060493-082417-CP-MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.279	J	10.0	9.971		ug/L		97	50 - 150
Ethylbenzene	174	E	10.0	178.7	E 4	ug/L		44	50 - 150
m,p-Xylene	37.4		10.0	44.46		ug/L		71	50 - 150
o-Xylene	1.98		10.0	11.31		ug/L		93	50 - 150
Toluene	1.84		10.0	11.90		ug/L		101	50 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 125*
4-Bromofluorobenzene (Surr)	*107*		*69 - 120*
Dibromofluoromethane (Surr)	*92*		*80 - 120*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: 590-6917-1 MSD
Matrix: Water
Analysis Batch: 13557

Client Sample ID: GW-060493-082417-CP-MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.279	J	10.0	10.27		ug/L		100	50 - 150	3	35
Ethylbenzene	174	E	10.0	185.2	E 4	ug/L		108	50 - 150	4	35
m,p-Xylene	37.4		10.0	47.01		ug/L		96	50 - 150	6	35
o-Xylene	1.98		10.0	11.80		ug/L		98	50 - 150	4	35
Toluene	1.84		10.0	12.49		ug/L		107	50 - 150	5	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 125*
4-Bromofluorobenzene (Surr)	*103*		*69 - 120*
Dibromofluoromethane (Surr)	*94*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: MB 590-13588/6
Matrix: Water
Analysis Batch: 13588

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			08/29/17 11:50	1
Ethylbenzene	ND		1.00	0.198	ug/L			08/29/17 11:50	1
m,p-Xylene	ND		2.00	0.280	ug/L			08/29/17 11:50	1
o-Xylene	ND		1.00	0.162	ug/L			08/29/17 11:50	1
Toluene	ND		1.00	0.312	ug/L			08/29/17 11:50	1
Xylenes, Total	ND		3.00	0.442	ug/L			08/29/17 11:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 125*		*08/29/17 11:50*	*1*
4-Bromofluorobenzene (Surr)	*97*		*69 - 120*		*08/29/17 11:50*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*08/29/17 11:50*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/29/17 11:50*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 590-13588/1004
Matrix: Water
Analysis Batch: 13588

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	10.0	10.03		ug/L		100	80 - 120
Ethylbenzene	10.0	9.763		ug/L		98	80 - 120
m,p-Xylene	10.0	9.937		ug/L		99	80 - 120
o-Xylene	10.0	9.796		ug/L		98	80 - 120
Toluene	10.0	9.758		ug/L		98	80 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 125*
4-Bromofluorobenzene (Surr)	*103*		*69 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LCSD 590-13588/7
Matrix: Water
Analysis Batch: 13588

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	10.0	10.27		ug/L		103	80 - 120	2	25
Ethylbenzene	10.0	9.982		ug/L		100	80 - 120	2	25
m,p-Xylene	10.0	10.24		ug/L		102	80 - 120	3	25
o-Xylene	10.0	9.944		ug/L		99	80 - 120	2	25
Toluene	10.0	10.05		ug/L		100	80 - 123	3	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 125*
4-Bromofluorobenzene (Surr)	*105*		*69 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Lab Sample ID: MB 590-13559/6
Matrix: Water
Analysis Batch: 13559

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70.4	ug/L			08/28/17 13:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*68.7 - 141*		*08/28/17 13:01*	*1*

Lab Sample ID: LCS 590-13559/1005
Matrix: Water
Analysis Batch: 13559

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1000	1091		ug/L		109	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		68.7 - 141

Lab Sample ID: LCSD 590-13559/1017
Matrix: Water
Analysis Batch: 13559

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline			1000	1109		ug/L		111	80 - 120	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		68.7 - 141

Lab Sample ID: 590-6917-2 MS
Matrix: Water
Analysis Batch: 13559

Client Sample ID: GW-060493-082417-CP-MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	ND		1000	1153		ug/L		115	55.6 - 126

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		68.7 - 141

Lab Sample ID: 590-6917-2 MSD
Matrix: Water
Analysis Batch: 13559

Client Sample ID: GW-060493-082417-CP-MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	ND		1000	1031		ug/L		103	55.6 - 126	11	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		68.7 - 141

Lab Sample ID: MB 590-13590/6
Matrix: Water
Analysis Batch: 13590

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	70.4	ug/L			08/29/17 11:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		68.7 - 141		08/29/17 11:50	1

Lab Sample ID: LCS 590-13590/1005
Matrix: Water
Analysis Batch: 13590

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline			1000	1115		ug/L		111	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		68.7 - 141

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS) (Continued)

Lab Sample ID: LCSD 590-13590/1016
Matrix: Water
Analysis Batch: 13590

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline			1000	1083		ug/L		108	80 - 120	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*68.7 - 141*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 590-13583/1-A
Matrix: Water
Analysis Batch: 13591

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 13583

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	0.08108	J	0.240	0.0800	mg/L		08/29/17 09:40	08/29/17 11:38	1
Residual Range Organics (RRO) (C25-C36)	ND		0.400	0.120	mg/L		08/29/17 09:40	08/29/17 11:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*100*		*50 - 150*	*08/29/17 09:40*	*08/29/17 11:38*	*1*
n-Triacontane-d62	*88*		*50 - 150*	*08/29/17 09:40*	*08/29/17 11:38*	*1*

Lab Sample ID: LCS 590-13583/2-A
Matrix: Water
Analysis Batch: 13591

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 13583

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (DRO) (C10-C25)			1.60	1.484		mg/L		93	50 - 150
Residual Range Organics (RRO) (C25-C36)			1.60	1.658		mg/L		104	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*107*		*50 - 150*
n-Triacontane-d62	*104*		*50 - 150*

Lab Sample ID: LCSD 590-13583/3-A
Matrix: Water
Analysis Batch: 13591

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 13583

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)			1.60	1.287		mg/L		80	50 - 150	14	25
Residual Range Organics (RRO) (C25-C36)			1.60	1.626		mg/L		102	50 - 150	2	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*105*		*50 - 150*
n-Triacontane-d62	*103*		*50 - 150*

GC/MS VOA

Analysis Batch: 13557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-6917-1	GW-060493-082417-CP-MW-2	Total/NA	Water	8260C	
590-6917-2	GW-060493-082417-CP-MW-3	Total/NA	Water	8260C	
590-6917-3	GW-060493-082417-CP-MW-6	Total/NA	Water	8260C	
590-6917-4	GW-060493-082417-CP-VP-1	Total/NA	Water	8260C	
590-6917-5	GW-060493-082417-CP-VP-2	Total/NA	Water	8260C	
590-6917-6	GW-060493-082417-CP-VP-3	Total/NA	Water	8260C	
590-6917-9	Trip Blank	Total/NA	Water	8260C	
MB 590-13557/6	Method Blank	Total/NA	Water	8260C	
LCS 590-13557/1004	Lab Control Sample	Total/NA	Water	8260C	
LCSD 590-13557/7	Lab Control Sample Dup	Total/NA	Water	8260C	
590-6917-1 MS	GW-060493-082417-CP-MW-2	Total/NA	Water	8260C	
590-6917-1 MSD	GW-060493-082417-CP-MW-2	Total/NA	Water	8260C	

Analysis Batch: 13559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-6917-1	GW-060493-082417-CP-MW-2	Total/NA	Water	NWTPH-Gx	
590-6917-2	GW-060493-082417-CP-MW-3	Total/NA	Water	NWTPH-Gx	
590-6917-3	GW-060493-082417-CP-MW-6	Total/NA	Water	NWTPH-Gx	
590-6917-4	GW-060493-082417-CP-VP-1	Total/NA	Water	NWTPH-Gx	
590-6917-5	GW-060493-082417-CP-VP-2	Total/NA	Water	NWTPH-Gx	
590-6917-6	GW-060493-082417-CP-VP-3	Total/NA	Water	NWTPH-Gx	
MB 590-13559/6	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 590-13559/1005	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 590-13559/1017	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	
590-6917-2 MS	GW-060493-082417-CP-MW-3	Total/NA	Water	NWTPH-Gx	
590-6917-2 MSD	GW-060493-082417-CP-MW-3	Total/NA	Water	NWTPH-Gx	

Analysis Batch: 13588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-6917-1	GW-060493-082417-CP-MW-2	Total/NA	Water	8260C	
590-6917-3	GW-060493-082417-CP-MW-6	Total/NA	Water	8260C	
590-6917-7	GW-060493-082417-CP-VP-7	Total/NA	Water	8260C	
590-6917-8	GW-060493-082417-CP-VP-8	Total/NA	Water	8260C	
MB 590-13588/6	Method Blank	Total/NA	Water	8260C	
LCS 590-13588/1004	Lab Control Sample	Total/NA	Water	8260C	
LCSD 590-13588/7	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 13590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-6917-7	GW-060493-082417-CP-VP-7	Total/NA	Water	NWTPH-Gx	
590-6917-8	GW-060493-082417-CP-VP-8	Total/NA	Water	NWTPH-Gx	
MB 590-13590/6	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 590-13590/1005	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 590-13590/1016	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

GC Semi VOA

Prep Batch: 13583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-6917-1	GW-060493-082417-CP-MW-2	Total/NA	Water	3510C	

GC Semi VOA (Continued)

Prep Batch: 13583 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-6917-2	GW-060493-082417-CP-MW-3	Total/NA	Water	3510C	
590-6917-3	GW-060493-082417-CP-MW-6	Total/NA	Water	3510C	
590-6917-4	GW-060493-082417-CP-VP-1	Total/NA	Water	3510C	
590-6917-5	GW-060493-082417-CP-VP-2	Total/NA	Water	3510C	
590-6917-6	GW-060493-082417-CP-VP-3	Total/NA	Water	3510C	
590-6917-7	GW-060493-082417-CP-VP-7	Total/NA	Water	3510C	
590-6917-8	GW-060493-082417-CP-VP-8	Total/NA	Water	3510C	
MB 590-13583/1-A	Method Blank	Total/NA	Water	3510C	
LCS 590-13583/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 590-13583/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 13591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-6917-1	GW-060493-082417-CP-MW-2	Total/NA	Water	NWTPH-Dx	13583
590-6917-2	GW-060493-082417-CP-MW-3	Total/NA	Water	NWTPH-Dx	13583
590-6917-3	GW-060493-082417-CP-MW-6	Total/NA	Water	NWTPH-Dx	13583
590-6917-4	GW-060493-082417-CP-VP-1	Total/NA	Water	NWTPH-Dx	13583
590-6917-5	GW-060493-082417-CP-VP-2	Total/NA	Water	NWTPH-Dx	13583
590-6917-6	GW-060493-082417-CP-VP-3	Total/NA	Water	NWTPH-Dx	13583
590-6917-7	GW-060493-082417-CP-VP-7	Total/NA	Water	NWTPH-Dx	13583
590-6917-8	GW-060493-082417-CP-VP-8	Total/NA	Water	NWTPH-Dx	13583
MB 590-13583/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	13583
LCS 590-13583/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	13583
LCSD 590-13583/3-A	Lab Control Sample Dup	Total/NA	Water	NWTPH-Dx	13583

Lab Chronicle

Client: AECOM, Inc.
Project/Site: 210 NE 45th St., Seattle/60527984

TestAmerica Job ID: 590-6917-1

Client Sample ID: GW-060493-082417-CP-MW-2

Lab Sample ID: 590-6917-1
Date Collected: 08/24/17 12:23
Matrix: Water
Date Received: 08/25/17 12:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	13557	08/28/17 16:47	MRS	TAL SPK
Total/NA	Analysis	8260C		10	43 mL	43 mL	13588	08/29/17 12:46	MRS	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	13559	08/28/17 16:47	MRS	TAL SPK
Total/NA	Prep	3510C			238.8 mL	2 mL	13583	08/29/17 09:40	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			13591	08/29/17 16:16	NMI	TAL SPK

Client Sample ID: GW-060493-082417-CP-MW-3

Lab Sample ID: 590-6917-2
Date Collected: 08/24/17 10:25
Matrix: Water
Date Received: 08/25/17 12:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	13557	08/28/17 17:49	MRS	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	13559	08/28/17 17:49	MRS	TAL SPK
Total/NA	Prep	3510C			237.9 mL	2 mL	13583	08/29/17 09:40	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			13591	08/29/17 16:35	NMI	TAL SPK

Client Sample ID: GW-060493-082417-CP-MW-6

Lab Sample ID: 590-6917-3
Date Collected: 08/24/17 08:57
Matrix: Water
Date Received: 08/25/17 12:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	13557	08/28/17 18:51	MRS	TAL SPK
Total/NA	Analysis	8260C		10	43 mL	43 mL	13588	08/29/17 13:07	MRS	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	13559	08/28/17 18:51	MRS	TAL SPK
Total/NA	Prep	3510C			237.7 mL	2 mL	13583	08/29/17 09:40	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			13591	08/29/17 16:53	NMI	TAL SPK

Client Sample ID: GW-060493-082417-CP-VP-1

Lab Sample ID: 590-6917-4
Date Collected: 08/24/17 12:48
Matrix: Water
Date Received: 08/25/17 12:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	13557	08/28/17 19:12	MRS	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	13559	08/28/17 19:12	MRS	TAL SPK
Total/NA	Prep	3510C			231.5 mL	2 mL	13583	08/29/17 09:40	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			13591	08/29/17 17:11	NMI	TAL SPK

Lab Chronicle

Client: AECOM, Inc.
Project/Site: 210 NE 45th St., Seattle/60527984

TestAmerica Job ID: 590-6917-1

Client Sample ID: GW-060493-082417-CP-VP-2
Date Collected: 08/24/17 11:33
Date Received: 08/25/17 12:10

Lab Sample ID: 590-6917-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	13557	08/28/17 19:34	MRS	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	13559	08/28/17 19:34	MRS	TAL SPK
Total/NA	Prep	3510C			236.5 mL	2 mL	13583	08/29/17 09:40	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			13591	08/29/17 17:29	NMI	TAL SPK

Client Sample ID: GW-060493-082417-CP-VP-3
Date Collected: 08/24/17 11:59
Date Received: 08/25/17 12:10

Lab Sample ID: 590-6917-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	13557	08/28/17 19:54	MRS	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	13559	08/28/17 19:54	MRS	TAL SPK
Total/NA	Prep	3510C			225.8 mL	2 mL	13583	08/29/17 09:40	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			13591	08/29/17 17:47	NMI	TAL SPK

Client Sample ID: GW-060493-082417-CP-VP-7
Date Collected: 08/24/17 10:48
Date Received: 08/25/17 12:10

Lab Sample ID: 590-6917-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	43 mL	43 mL	13588	08/29/17 13:28	MRS	TAL SPK
Total/NA	Analysis	NWTPH-Gx		20	43 mL	43 mL	13590	08/29/17 13:28	MRS	TAL SPK
Total/NA	Prep	3510C			230.3 mL	2 mL	13583	08/29/17 09:40	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			13591	08/29/17 18:24	NMI	TAL SPK

Client Sample ID: GW-060493-082417-CP-VP-8
Date Collected: 08/24/17 13:16
Date Received: 08/25/17 12:10

Lab Sample ID: 590-6917-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	13588	08/29/17 13:48	MRS	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	13590	08/29/17 13:48	MRS	TAL SPK
Total/NA	Prep	3510C			240.3 mL	2 mL	13583	08/29/17 09:40	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			13591	08/29/17 18:42	NMI	TAL SPK

Client Sample ID: Trip Blank
Date Collected: 08/24/17 07:15
Date Received: 08/25/17 12:10

Lab Sample ID: 590-6917-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	13557	08/28/17 21:19	MRS	TAL SPK

Lab Chronicle

Client: AECOM, Inc.
Project/Site: 210 NE 45th St., Seattle/60527984

TestAmerica Job ID: 590-6917-1

Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Definitions/Glossary

Client: AECOM, Inc.
Project/Site: 210 NE 45th St., Seattle/60527984

TestAmerica Job ID: 590-6917-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Accreditation/Certification Summary

Client: AECOM, Inc.
Project/Site: 210 NE 45th St., Seattle/60527984

TestAmerica Job ID: 590-6917-1

Laboratory: TestAmerica Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
Washington	State Program	10	C569	01-06-18

Analysis Method	Prep Method	Matrix	Analyte

590-6917 Chain of Custody

Equilon Enterprises LLC dba Shell Oil Products US Chain Of Custody Record

AECOM

Please Check Appropriate Box:			Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
☐ W FDG	☐ PIPELINE	☑ RETAIL	Renee Knecht		DATE: 8/24/17
☐ EMICALS	☐ CONSULTANT	☐ LUBES	PO #	GSAP Project ID	PAGE: 1 of 1
Lab Vendor # 1364589 (TestAmerica)	☐ TRANSPORTATION	☐ OTHER			

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	AECOM Project / Task Number:
Blaine Tech Services, Inc.	BTSS	210 NE 45th St., Seattle	WA	60482000

ADDRESS:	EDF DELIVERABLE TO (Name, Company, Office Location)	PHONE NO.:	E-MAIL:	AECOM Other ID
1680 Rogers Ave., San Jose, CA, 95112	Renee Knecht, AECOM, Seattle, WA	206-438-2371	renee.knecht@aecom.com	

PROJECT CONTACT (Hardcopy or PDF Report to):	TELEPHONE:	FAX:	Bill To Contact E-MAIL:	SAMPLER NAME(S) (Print):
Renee Knecht	206-438-2371		renee.knecht@aecom.com	Craig Peters

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☑ UST AGENCY: Washington Dept of Ecology

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY)

TEMPERATURE ON RECEIPT C° Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☐ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

FIELD NOTES:

TEMPERATURE ON RECEIPT C°: 4.3 °C IR001

Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	REQUESTED ANALYSIS: UNIT COST — LAB-55 BTEX	SI LAB-123 - WA NW Dx Water	LAB-35 MTBE	LAB-36 TBA	LAB-36 TBA	LAB-37 DIPE	LAB-38 TAME	LAB-39 ETBE	TPH-D	NON-UNIT COST — WA - NWTPH-Gx	5 Oxygenates
	GW-060493-082417-CP-MW-2	8/24/17	1223	W6	X					6	X	X							X	X	
	GW-060493-082417-CP-MW-3		1025	W6	X					6	X	X							X	X	
	GW-060493-082417-CP-MW-6		0857	W6	X					6	X	X							X	X	
	GW-060493-082417-CP-VP-1		1248	W6	X					6	X	X							X	X	
	GW-060493-082417-CP-VP-2		1133	W6	X					6	X	X							X	X	
	GW-060493-082417-CP-VP-3		1159	W6	X					6	X	X							X	X	
	GW-060493-082417-CP-VP-7		1048	W6	X					6	X	X							X	X	
	GW-060493-082417-CP-VP-8		1316	W6	X					6	X	X							X	X	
	TB		0715	W6	X					2	X										

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Craig PO	Shipped via Fed Ex	8/24/17	
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
	Sheila Kraft TA Spok	8/25/17	1210
Relinquished by: (Signature)	Received by: (Signature)	Date	Time

Version: 14Dec15

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 590-6917-1

Login Number: 6917
List Number: 1
Creator: Kratz, Sheila J

List Source: TestAmerica Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.