



Environment

Submitted to :

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Submitted by :

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June 2016

Shell Oil Products US
Soil and Groundwater Focus
Delivery Group – US Region

2015 Annual Groundwater Monitoring Report

Shell Branded Wholesale Facility

210 NE 45th Street
Seattle, Washington

VCP: NW2033



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June 7, 2016

Ms. Sonia Fernandez
Department of Ecology - NWRO
3190 160th Ave. SE
Bellevue, WA 98008-5452

Re: 2015 Annual Groundwater Monitoring Report
Shell Branded Wholesale Facility
210 NE 45th Street
Seattle, Washington
Facility Site ID: 14577491
VCP #: NW2033

Dear Ms. Fernandez:

The attached report has been prepared by AECOM on behalf of Equilon Enterprises LLC dba Shell Oil Products US (SOPUS). This report describes the results of the groundwater monitoring conducted during 2015 at the Shell Branded Wholesale Facility located at 210 NE 45th Street, Seattle, WA. If you have any questions or require additional information, please contact me at (206) 403-4259.

Sincerely,
AECOM

Renee Knecht, LG
Project Manager

cc: Mr. John Robbins, Shell Oil Products
ASJ Management Corp

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List of Acronyms

CULs	Cleanup levels
EPA	Environmental Protection Agency
MDC	Maximum detected concentration
MTCA	Model Toxics Control Act
TOC	Top of casing
TPH	Total petroleum hydrocarbons
TPH-G	Total petroleum hydrocarbons as gasoline
TPH-D	Total petroleum hydrocarbons as diesel
TPH-O	Total petroleum hydrocarbons as heavy 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 2015 monitoring period.

2 Site Description and Background

2.1 Site Information

Address: 210 NE 45th Street
Seattle, Washington

Facility Site ID: 14577491
VCP #: NW2033

2.2 Current Site Conditions

The subject property is an active Shell-branded service station located at 210 NE 45th Street, Seattle, Washington. The facility consists of a station building located on the northern portion of the property, 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 property (CRA 2015). One 1,000 gallon heating oil UST, and one 500 gallon waste oil UST were removed from the property in January 1991. The current and former facilities are presented on Figure 2.

Nine groundwater monitoring wells and nine vapor extraction wells are located at the site (Figures 2 and 3). A summary of previous investigative work completed at the site is described in Conestoga-Rovers & Associate's *Site Investigation Work Plan* (CRA 2015).

3 Field Activities

This section describes the sample collection methods and field observations during field activities. This includes gauging all 18 groundwater monitoring and vapor extraction wells present on site, and collecting groundwater samples from 14 wells (MW-1, MW-2, MW-3, MW-6, MW-8, MW-9, and VP-1 through VP-8); samples were not collected from MW-9 in 2015 because the well was dry. Monitoring well locations are illustrated in Figure 2 and 3. Well construction details and monitoring objectives are summarized in Table 1.

3.1 Monitoring Well Gauging

Prior to purging and sampling, depth to groundwater was measured from 18 monitoring wells and vapor extraction wells MW-1 through MW-9, and 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.

Groundwater elevations (Table 2) were calculated from the surveyed TOC elevations. Using the calculated groundwater elevations, a groundwater elevation contour map was prepared based on available data (Figure 2 and 3). The groundwater flow direction across the Site during 2015 is to the southwest. Below is a summary of 2015 groundwater gauging data:

Table 3: Groundwater Flow and Gradient Summary

Date	Flow Direction (estimated)	Horizontal Hydraulic Gradient (calculated)
January 21, 2015	Southwest ¹	0.06 feet/foot ¹
June 29, 2015	Southwest ¹	0.06 feet/foot ¹

¹ = Value reported by GHD

3.2 Groundwater Sampling

Blaine Tech Services, Inc. (subcontractor to GHD and AECOM) collected groundwater samples using standard low-flow sampling techniques. Low-flow sampling was accomplished using a peristaltic pump and disposable tubing. The well was purged at a rate of 0.1 to 0.5 liter per minute. Water quality measurements, including pH, conductivity, oxidation/reduction (redox) potential, turbidity, temperature, and dissolved oxygen, were collected during purging of each well. Purge volumes were based on obtaining stability, as determined by having three consecutive measurements at least 3 to 5 minutes apart within 10 percent of the previous measurements for specific conductance, +/- 1 degree Celsius for temperature, and plus or minus 0.2 standard unit for pH, according to Blaine Tech Services, Inc. Methods and Procedures for the Routine Monitoring of Groundwater Wells at Shell Sites. Samples were collected from the discharge tube of the pump into the appropriate sample containers, tightly sealed, uniquely labeled, chilled in a cooler, and delivered to TestAmerica in Nashville, Tennessee 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. A copy of the chain of custody form is 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 which was decontaminated prior to use and between wells using non-phosphate soap and deionized water solution and rinsed with deionized water.

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 at a (SOPUS 2015). Samples submitted to TestAmerica were used for waste characterization.

4 Analytical Methods and Results

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

4.1 Laboratory Data Review

Data obtained from GHD has not been independently reviewed or verified by AECOM, unless otherwise stated in the Report. It is assumed that GHD conducted a data review upon receipt of laboratory data. The data review should have 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. The case narrative should have been reviewed to ensure that no significant issues occurred during the laboratory processes used to generate the analytical data including deviations from laboratory quality control parameters. Verification of the time between sample collection and sample extraction/digestion would have been evaluated based on the specific holding time for each analysis to make sure the samples were analyzed at an acceptable time to guarantee data quality. Laboratory blanks would have also been evaluated to ensure no contamination occurred within the laboratory environment. Detection limits and /or dilutions would have been monitored to certify the laboratory reporting limits were less than the screening criteria and dilutions resulting in non-detect results were not greater than the screening criteria. The recovery data for laboratory control samples would have been evaluated to ensure that the percent recoveries were within the laboratory generated control limits including spikes, matrix spikes, duplicates, and surrogates.

4.2 Analytical Methods

Groundwater samples were analyzed for the following analyses

- TPH-G by Method NWTPH-Gx
- TPH-D and TPH-O by Method NWTPH-Dx with Silica Gel Cleanup
- Volatile organic compounds (VOCs) by EPA Method 8260B

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. Analytes were non-detect or detected below MTCA Method A groundwater CULs from the following wells: MW-1, MW-3, MW-8, VP-4, VP-5 and VP-6. Results for groundwater analytical data are summarized below and presented in Table 2. The laboratory analytical reports are included in Appendix B.

- Methyl tert butyl ether, diisopropyl ether, ethyl tert butyl ether, tert amyl methyl ether, and tert butyl alcohol were non-detect during 2015.
- Toluene and ethylbenzene were not reported above their respective MTCA Method A CULs of 1000 µg/L and 700 µg/L during any of the 2015 quarterly events. The maximum detected concentration (MDC) for toluene was 568 µg/L and was reported in VP-7 during the third quarter event. The MDC for ethylbenzene was 543 µg/L and was reported in MW-6 during the third quarter event.
- TPH-G was reported above the MTCA Method A CUL of 800 µg/L in samples from MW-2, MW-6, VP-3, and VP-7. The MDC for TPH-G during 2015 was 11,600 µg/L and was reported in VP-7 during the third quarter event.
- TPH-D was reported above the MTCA Method A CUL of 500 µg/L in samples from MW-2, MW-6, VP-1, VP-2, VP-3, VP-7, and VP-8. The MDC for TPH-D during 2015 was 6,290 µg/L and was reported in VP-2 during the third quarter event.
- TPH-O was reported above the MTCA Method A CUL of 500 µg/L once during 2015 at a concentration of 808 µg/L in the third quarter sample from VP-2.
- Benzene was reported above the MTCA Method A CUL of 5 µg/L in samples from MW-6, VP-3, and VP-7. The MDC for benzene during 2015 was 1,820 µg/L and was reported in VP-7 during the third quarter event.
- Total xylenes were reported above the MTCA Method A CUL of 1000 µg/L at a concentration of 2,180 µg/L in the third quarter sample from VP-7.

5 Conclusions

Based on sampling results from the current monitoring well network, exceedances are limited to the central portion of the Site near the UST basin and dispenser islands, with the exception of one offsite well MW-6 located downgradient across 45th Street. The groundwater concentrations are exceeding the TPH-G, TPH-D, and Benzene MTCA Method A CULs.

6 Limitations

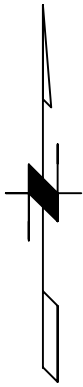
AECOM has prepared this Report for the sole use of Shell in accordance with the Agreement under which our services were performed. No other warranty, expressed or implied, is made as to the professional advice included in this Report or any other services provided by us. This Report may not be relied 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

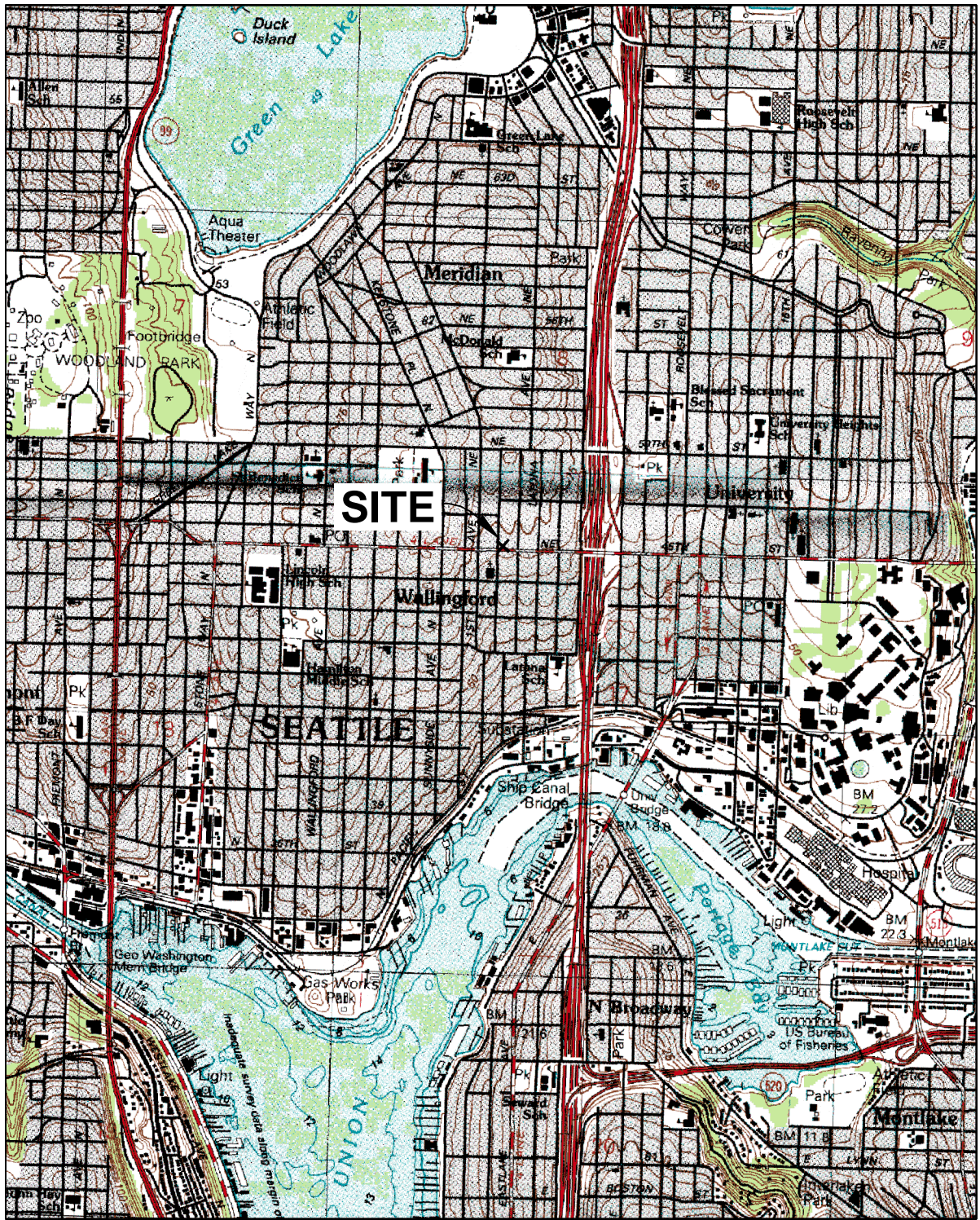
CRA 2015. Site Investigation Work Plan, Shell-Branded Service Station, 210 Northeast 45th Street, Seattle, Washington, SAP Code 120877, March 2015.

SOPUS 2015. Residual Management Program. June 1.

Figures



APPROXIMATE SCALE:
1:24,000



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

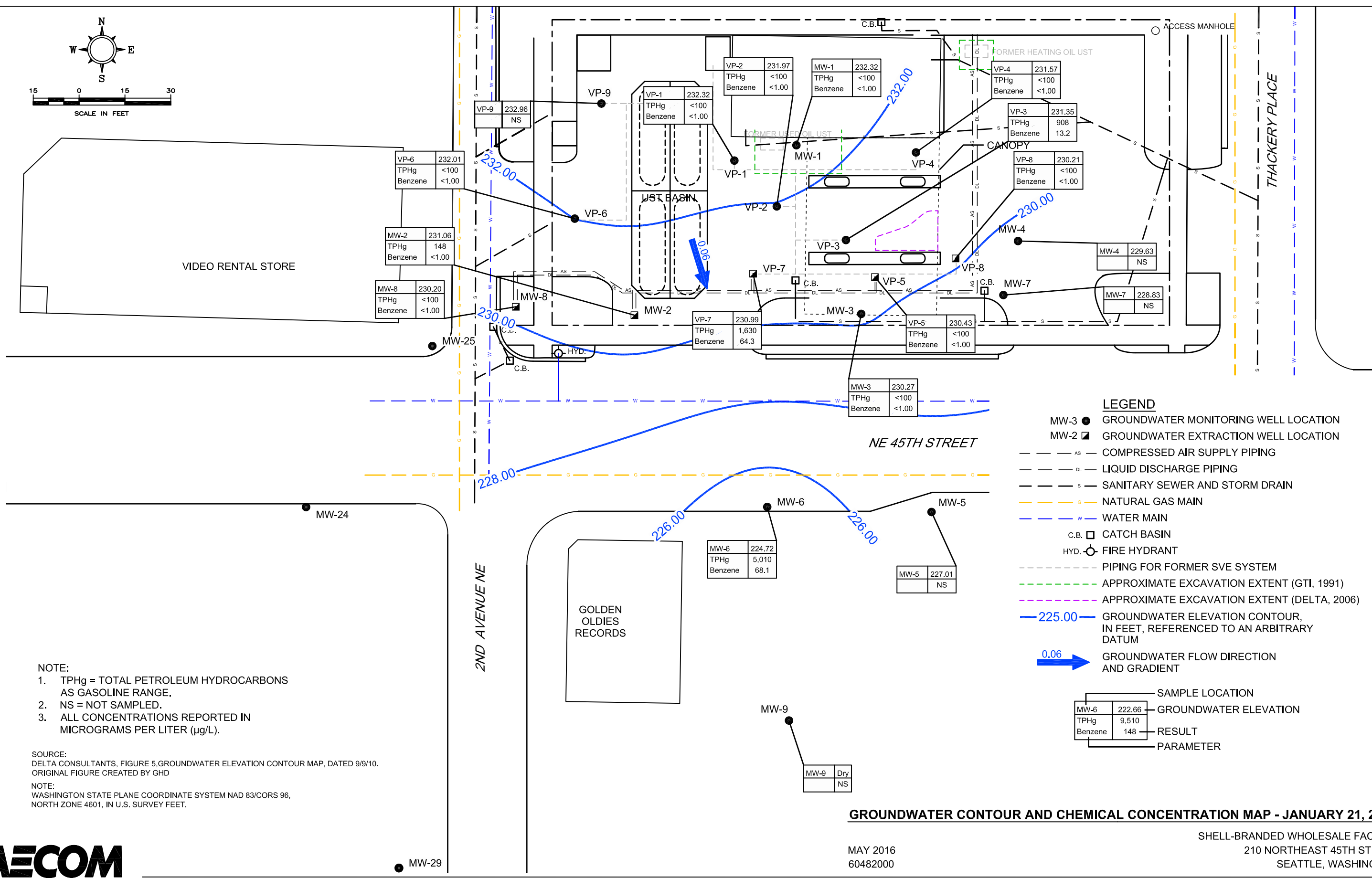
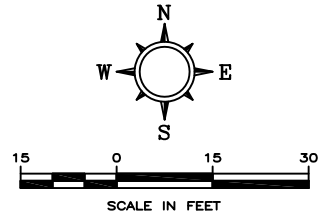
SITE VICINITY MAP

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

FIGURE 1



MAY 2016
60482000



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

SAMPLE LOCATION	
MW-6	222.66
TPHg	9,510
Benzene	148
RESULT	
PARAMETER	

- NOTE:**
1. TPHg = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE RANGE.
 2. NS = NOT SAMPLED.
 3. ALL CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (µg/L).

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.

GROUNDWATER CONTOUR AND CHEMICAL CONCENTRATION MAP - JANUARY 21, 2015

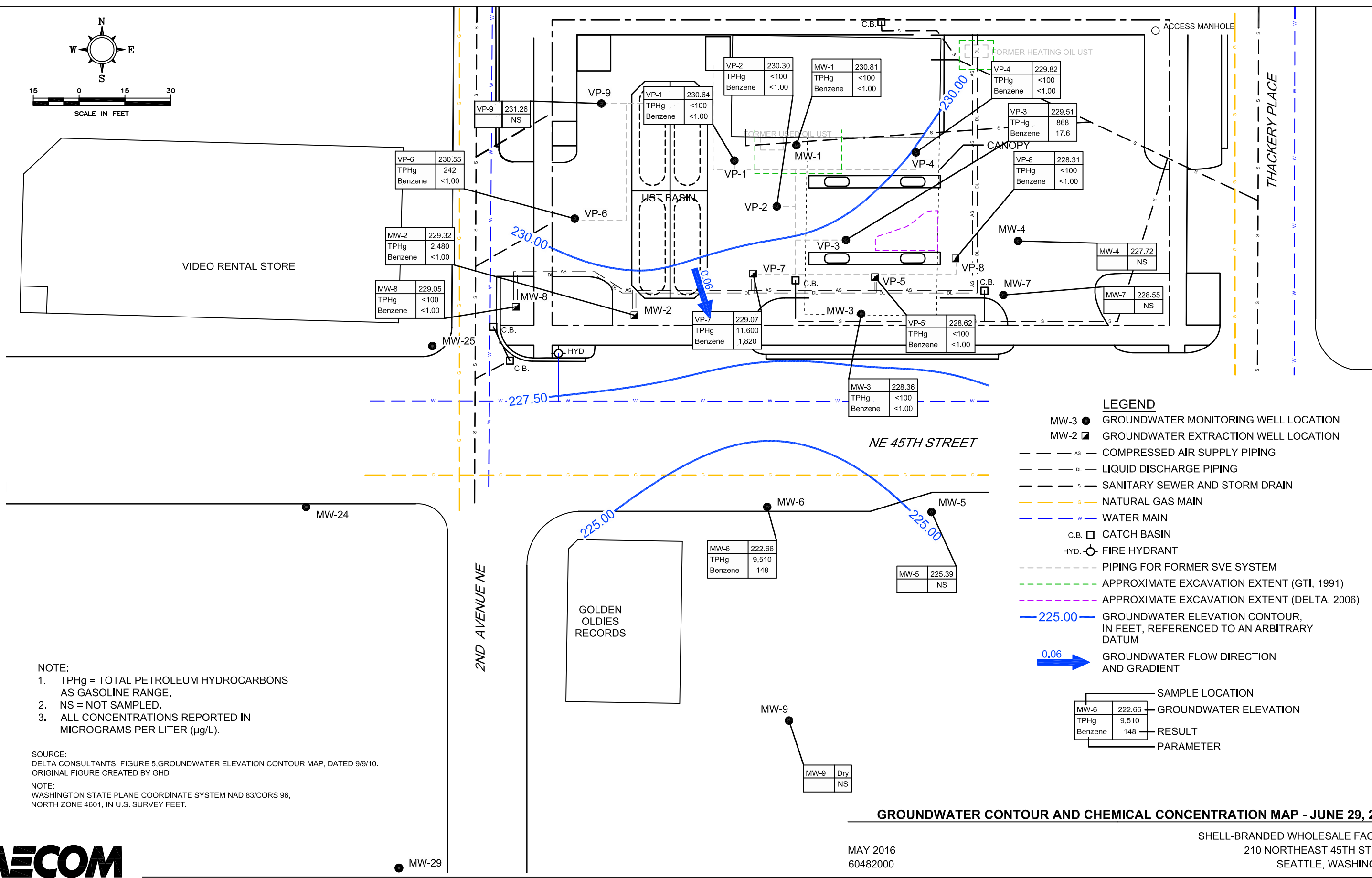
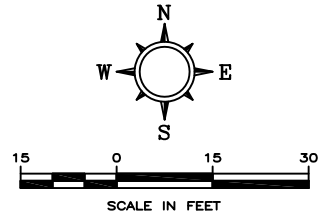
MAY 2016
60482000

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



FIGURE 2

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- NOTE:
1. TPHg = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE RANGE.
 2. NS = NOT SAMPLED.
 3. ALL CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (µg/L).

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

SAMPLE LOCATION	
MW-6	222.66
TPHg	9,510
Benzene	148
RESULT	
PARAMETER	

GROUNDWATER CONTOUR AND CHEMICAL CONCENTRATION MAP - JUNE 29, 2015

MAY 2016
60482000

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,S	–	238.63	–
MW-2	Active	G,S	10/22/91	237.51	5-25
MW-3	Active	G,S	10/22/91	238.26	5-14.5
MW-4	Active	G	10/22/91	238.33	5-14.5
MW-5	Active	G	10/23/91	235.98	5-19.5
MW-6	Active	G,S	10/23/91	236.37	5-19.5
MW-7	Active	G	–	237.54	–
MW-8	Active	G,S	–	238.04	–
MW-9	Active	G,S	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,S	02/08/91	238.29	5-15
VP-5	Active	G,S	02/08/91	237.93	5-25
VP-6	Active	G,S	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	420.67	5-15

Notes:

- - Well detail unknown
- ft - feet
- S - Well sampled
- G -Well gauged
- bgs - Below ground surface
- NA - Not applicable

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
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	195	3,440	577	3.13	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	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	279	34,600	4,610	7.18	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
	09/26/07	8.83	88.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/27/07	6.49	91.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	03/27/08	6.72	91.05	140	6,400	<1,000 a	<1	<1	<1	<1	--	--	<1	<1	7.4	<1	<1	--	--	--	--
	06/25/08	7.40	90.37	160	6,100	<1,000 a	<1	<1	<1	<1	--	--	<1	--	--	--	--	--	--	--	--
	10/01/08	--	--	Not Sampled - Well Dry																	
	12/11/08	7.81	89.96	83	400	<500	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--
	03/10/09	6.81	90.96	<100	220	<100	<0.50	<1.0	<1.0	<1.0	--	--	<1.0	<2.0	<10	<2.0	<2.0	--	--	--	--
	05/27/09	6.57	91.20	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
	09/01/09	8.47	89.30	920	1,200	110	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
	12/03/09	6.61	91.16	<100	410	<100	<0.50	<1.0	<1.0	<1.0	<0.010	0.5	--	--	--	--	--	--	--	--	--
	02/18/10	6.52	91.25	<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	7.19	90.58	<100	130	<100	<0.50	<1.0	<1.0	<1.0	--	--	<1.0	--	--	--	--	--	--	--	--
	08/17/10	7.70	90.07	<100	210	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
	12/16/10	6.10	91.67	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
	02/25/11	5.67	92.10	<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	7.72	90.05	<100	1,470	<250	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
	02/07/12	6.89	90.88	<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	7.62	90.15	<100	224	<94.3	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
	01/22/13	5.17	92.60	<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	8.00	89.77	<100	644	165	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--	--	--
	03/24/14	5.14	92.63	<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	8.32	89.45	<100	153	<93.9	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--	--	--
238.63	01/21/15	6.31	232.32	<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	7.82	230.81	<100	103	<93.0	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-2	04/10/97	11.51	80.65	61,900	9,520	--	21600	17,600	905	5,920	--	--	--	--	--	--	--	--	--	--	--
92.16	07/24/97	7.38	84.78	46,400	546	--	8250	4,920	791	4,500	--	--	--	--	--	--	--	--	--	--	--
96.51	01/27/98	5.84	90.67	14,400	3,070	--	1610	1,340	114	1,380	--	--	--	--	--	--	--	--	--	--	--
	04/29/98	8.53	87.98	656	2,160	--	16	17	1.7	26	--	--	--	--	--	--	--	--	--	--	--
	07/28/98	18.10	78.41	7,790	583	--	247	31	217	1,330	--	--	--	--	--	--	--	--	--	--	--
	10/21/98	9.36	87.15	17,100	6,930	--	1990	1,350	406	2,600	--	--	--	--	--	--	--	--	--	--	--
	01/20/99	17.00	79.51	3,680	1,310	--	75.5	36	145	292	--	--	--	--	--	--	--	--	--	--	--

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	04/22/99	12.50	84.01	8,560	3,760	--	423	383	140	565	--	--	--	--	--	--	--	--	--	--	--
	07/21/99	13.37	83.14	1,370	2,810	--	71.5	3.3	19	46	--	--	--	--	--	--	--	--	--	--	--
	10/26/99	10.35	86.16	3,070	3,440	--	112	47	49	124	--	--	--	--	--	--	--	--	--	--	--
	02/23/00	8.22	88.29	10,500	68,900	--	191	586	180	889	--	--	--	--	--	--	--	--	--	--	--
	05/31/00	8.15	88.36	807	2,930	--	14.5	75	8.1	96	--	--	--	--	--	--	--	--	--	--	--
	08/22/00	17.71	78.80	195	1,040	--	12.5	1.7	7.2	7.4	--	--	--	--	--	--	--	--	--	--	--
	11/08/00	9.00	87.51	8,960	16,000	< 500	58.2	1,190	120	1,490	--	--	--	--	--	--	--	--	--	--	--
96.67	02/14/01	8.80	87.87	2,180	3,850	< 500	3.92	125	6.61	427	--	--	--	--	--	--	--	--	--	--	--
	04/19/01	8.14	88.53	1,110	3,570	< 500	10.9	64	18	111	--	--	--	--	--	--	--	--	--	--	--
	08/07/01	9.24	87.43	9,260	5,320	759	60.4	1,390	121	1,460	--	--	--	--	--	--	--	--	--	--	--
	11/01/01	9.85	86.82	100	672	< 500	< 0.5	2.9	0.85	6.1	--	--	--	--	--	--	--	--	--	--	--
	03/20/02	12.62	84.05	148	367	< 500	1.8	18	3.0	15	--	--	--	--	--	--	--	--	--	--	--
	05/14/02	13.87	82.80	655	< 284	< 568 a	1.87	1.7	0.65	3.4	--	--	--	--	--	--	--	--	--	--	--
	08/22/02	8.62	88.05	6,800	500	< 750 a	9	500	110	710	--	--	--	--	--	--	--	--	--	--	--
	12/03/02	17.60	79.07	< 250	< 250	< 750 a	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	03/06/03	17.10	79.57	270	< 250	< 500	4.2	2	8.6	7.5	--	--	--	--	--	--	--	--	--	--	--
	06/11/03	17.50	79.17	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	09/16/03	15.25	81.42	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	12/17/03	7.45	89.22	7,500	< 250	< 500	6.3	920	150	1,050	--	--	--	--	--	--	--	--	--	--	--
	03/23/04	6.70	89.97	16,000	1,000	< 500	5.3	1,300	380	2,330	--	--	--	--	--	--	--	--	--	--	--
	07/07/04	8.12	88.55	11,000	2,900	< 500	< 5	880	280	2,590	--	--	--	--	--	--	--	--	--	--	--
	09/15/04	8.73	87.94	6,400	1,900	< 500	12	380	150	1,470	--	--	--	--	--	--	--	--	--	--	--
	12/13/04	7.94	88.73	720	370	< 500	6	15	2.5	230	--	--	--	--	--	--	--	--	--	--	--
	03/15/05	7.75	88.92	14,000	810	< 1,500 a	170	560	760	4,400	--	--	--	--	--	--	--	--	--	--	--
	06/13/05	7.88	88.79	< 50	< 250	< 500	< 1	< 1	2.5	7.4	--	--	--	--	--	--	--	--	--	--	--
	09/27/05	9.15	87.52	6,400	620	< 510 a	530	60	360	1,550	--	--	--	--	--	--	--	--	--	--	--
	12/19/05	8.36	88.31	< 50.0	414	< 481	0.916	0.525	1.79	11.0	--	--	--	--	--	--	--	--	--	--	--
	03/20/06	6.20	90.47	769	< 236	< 472	47	7.34	31.1	161	--	--	--	--	--	--	--	--	--	--	--
	05/02/06	6.90	89.77	6,860	671	478	143	39.6	326	1,840	--	--	--	--	--	--	--	--	--	--	--

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-2 Dup	05/02/06	--	--	6,860	524	< 476	147	39.9	334	1,850	--	--	--	--	--	--	--	--	--	--	--
MW-2	12/08/06	7.22	89.45	16,800	976	<476	309	56.0	846	4,540	--	--	--	--	--	--	--	--	--	--	--
	03/08/07	7.78	88.89	3,900	<243	<485	62.7	5.95	30.8	780	--	--	--	--	--	--	--	--	--	--	--
	06/27/07	7.53	89.14	26,900	1,100	<481	175	48.1	1,360	6,690	--	--	--	--	--	--	--	--	--	--	--
	09/26/07	10.20	86.47	3,130	<236	<472	119	17.7	350	489	--	--	<5.00	<1.00	<50.0	<1.00	<1.00	--	<250	--	--
	12/27/07	6.66	90.01	1,030 b	<238	<476	4.62	2.83	36	292	--	--	--	--	--	--	--	--	--	--	--
	03/27/08	6.88	89.79	620	-- f	-- f	1.1	<1	10	169	--	--	<1	<1	<5	<1	<1	--	--	--	--
	06/25/08	9.49	87.18	5,800	1,100	<1,000 a	25	34	880	3,400	--	--	<1	--	--	--	--	--	--	--	--
	10/01/08	10.43	86.24	2,200	2,500	<1,000 a	16	6.6	220	138	--	--	<1	--	--	--	--	--	--	--	--
	12/11/08	9.58	87.09	2,300	2,800	<2,000 a	4.3	4.6	130	490	--	--	--	--	--	--	--	--	--	--	--
	03/10/09	9.02	87.65	1,100	240	<100	1.1	2.7	38	430	--	--	<1.0	<2.0	<10	<2.0	<2.0	--	--	--	--
	05/27/09	6.82	89.85	3,500	<100	<100	0.72	5.4	300	1,200	--	--	--	--	--	--	--	--	--	--	--
	09/01/09	8.67	88.00	2,600	670	<100	2.4	4.7	300	410	--	--	--	--	--	--	--	--	--	--	--
	12/03/09	6.90	89.77	620	220	<100	<0.50	<1.0	35	170	<0.010	<0.50	--	--	--	--	--	--	--	--	--
	02/18/10	5.80	90.87	<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	6.66	90.01	1,900	1,200 g	<100	<0.50	1.7	250	680	--	--	<1.0	--	--	--	--	<1.00	--	19.7	<0.50
	08/17/10	7.90	88.77	4,200	3,300 g	<100	<2.5	<5.0	500	760	--	--	--	--	--	--	--	--	--	--	--
	12/16/10	5.79	90.88	200	160	<100	<0.50	<1.0	6.3	15	--	--	--	--	--	--	--	--	--	--	--
	02/25/11	6.09	90.58	636	378	141	<1.00	<1.00	14.3	17.9	--	--	<1.00	<1.00	<20.0	<1.00	<1.00	--	--	--	--
	08/11/11	7.96	88.71	4,100	804	<250	<1.00	2.05	401	227	--	--	--	--	--	--	--	--	--	--	--
	02/07/12	6.92	89.75	600	331	<240	<1.00	<1.00	14.0	34.1	--	--	<1.00	<1.00	<10.0	<1.00	<1.00	--	--	--	--
	07/31/12	7.72	88.95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/01/12	--	--	2,440	878	<94.3	<1.00	1.81	324	146	--	--	--	--	--	--	--	--	--	--	--
	01/22/13	5.52	91.15	<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	8.20	88.47	1,680	432	<100	<1.00	1.54	235	22.0	--	--	--	--	--	--	--	--	--	--	--
	03/24/14	6.84	89.83	130	419	166	<1.00	<1.00	9.41	<3.00	--	--	<1.00	<1.00	<10.0	<2.00	<1.00	--	--	--	--
	08/27/14	8.58	88.09	2,910	966	<93.9	<1.00	1.60	358	59.3	--	--	--	--	--	--	--	--	--	--	--
237.51	01/21/15	6.45	231.06	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	8.19	229.32	2,480	609	<93.5	<1.00	1.94	294	27.7	--	--	--	--	--	--	--	--	--	--	--

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-3	04/10/97	7.83	85.60	< 50	< 250	--	0.559	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
93.43	07/24/97	9.51	83.92	56	281	--	34.4	0.66	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	11/06/97	--	--	89	261	--	606	< 0.5	< 0.5	3.36	--	--	--	--	--	--	--	--	--	--	--
97.23	01/27/98	7.71	89.52	< 50	273	--	52.3	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	04/29/98	9.70	87.53	178	< 250	--	786	1.12	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	07/28/98	11.67	85.56	175	< 250	--	193	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	10/21/98	11.18	86.05	< 50	< 250	--	47.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	01/20/99	9.58	87.65	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	04/22/99	8.54	88.69	< 50	< 250	--	2.16	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	07/21/99	10.32	86.91	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	10/26/99	12.13	85.10	< 50	< 371	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	02/23/00	9.84	87.39	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	05/31/00	9.63	87.60	< 1	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	08/22/00	11.34	85.89	158	< 294	--	9.36	< 0.5	< 0.5	1.14	--	--	--	--	--	--	--	--	--	--	--
	11/08/00	10.85	86.38	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
97.39	02/14/01	10.55	86.84	< 50	< 250	< 500	2.66	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	04/19/01	9.96	87.43	< 50	< 250	< 500	1.45	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	08/07/01	11.36	86.03	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	11/01/01	11.90	85.49	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	03/20/02	9.64	87.75	< 50	< 250	< 500	0.661	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	05/14/02	9.51	87.88	< 50	< 250	< 500	0.868	0.664	< 0.5	1.41	--	--	--	--	--	--	--	--	--	--	--
	08/22/02	10.39	87.00	< 250	< 250	< 750 a	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	12/03/02	11.75	85.64	< 250	< 250	< 750 a	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	03/06/03	10.67	86.72	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	06/12/03	12.29	85.10	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	09/16/03	12.27	85.12	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	12/17/03	9.62	87.77	< 250	330	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	03/23/04	8.32	89.07	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	07/07/04	9.88	87.51	< 250	1,500	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	09/15/04	10.58	86.81	< 250	1,300	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	12/13/04	10.12	87.27	< 250	530	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	03/15/05	9.44	87.95	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	06/13/05	9.61	87.78	< 50	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	09/27/05	10.86	86.53	< 50	440	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	12/19/05	10.23	87.16	< 50.0	396	< 481	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
	03/20/06	7.63	89.76	< 50.0	< 236	< 472	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
	05/02/06	8.50	88.89	< 50.0	< 238	< 476	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
	12/08/06	7.80	89.59	<50.0	<245	<490	0.68	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
	03/08/07	9.40	87.99	<50.0	<243	<485	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
	06/27/07	9.34	88.05	<50.0	<240	<481	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
	09/26/07	10.72	86.67	<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	8.25	89.14	<50.0	<238	<476	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
	03/27/08	8.33	89.06	<50	<250	<500	<1	<1	<1	<1	--	--	<1	<1	<5	<1	<1	--	--	--	--
	06/25/08	9.28	88.11	<50	<250	<500	<1	<1	<1	<1	--	--	<1	--	--	--	--	--	--	--	--
	10/01/08	10.49	86.90	<50	<250	<500	<1	<1	<1	<1	--	--	<1	--	--	--	--	--	--	--	--
	12/11/08	9.57	87.82	<50	<250	<500	<1	<1	<1	1.6	--	--	--	--	--	--	--	--	--	--	--
	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	<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	8.23	89.16	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	<1.0	--	--	--	--	<1.00	--	<0.10	<0.10
	08/17/10	9.69	87.70	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
	12/16/10	7.44	89.95	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
	02/25/11	7.61	89.78	<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	9.70	87.69	<100	<100	<250	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
	02/07/12	8.71	88.68	<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	9.46	87.93	<100	<94.3	<94.3	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--

Table 2

Summary of Groundwater Monitoring Data
 Shell-Branded Wholesale Facility
 210 Northeast 45th Street
 Seattle, Washington

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	01/22/13	7.10	90.29	<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	10.00	87.39	<100	207	<100	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--	--	--
	03/24/14	7.04	90.35	<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	10.31	87.08	<100	<93.9	<93.9	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--	--	--
238.26	01/21/15	7.99	230.27	<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	9.90	228.36	<100	<93.0	<93.0	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
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	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	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	<50.0	<240	<481	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
	09/26/07	11.34	86.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/27/07	8.31	89.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/27/08	7.92	89.55	<50	<250	<500	<1	<1	<1	<1	--	--	<1	<1	<5	<1	<1	--	--	--	--
	06/25/08	9.56	87.91	<50	<250	<500	<1	<1	<1	<1	--	--	<1	--	--	--	--	--	--	--	--
	10/01/08	10.50	86.97	<50	<250	<500	<1	<1	<1	<1	--	--	<1	--	--	--	--	--	--	--	--
	12/11/08	9.66	87.81	<50	<250	<500	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--
	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	<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	8.33	89.14	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	<1.0	--	--	--	--	<1.00	--	<0.10	<0.10
	08/17/10	10.38	87.09	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--

Table 2

Summary of Groundwater Monitoring Data
 Shell-Branded Wholesale Facility
 210 Northeast 45th Street
 Seattle, Washington

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates				Lead		PAHs		
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	12/16/10	7.92	89.55	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
	02/25/11	7.35	90.12	<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	10.30	87.17	<100	<96.2	<240	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
	02/07/12	9.51	87.96	<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	10.06	87.41	<100	<94.3	<94.3	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
	01/22/13	6.67	90.80	<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	10.60	86.87	<100	<100	<100	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--	--	--
	03/24/14	7.04	90.43	<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	11.19	86.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
238.33	01/21/15	8.70	229.63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/29/15	10.61	227.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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	< 50	< 250	NA	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	03/20/02	9.92	85.19	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	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	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	06/12/03	12.72	82.39	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	09/16/03	12.70	82.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/17/03	10.31	84.80	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/08/07	10.22	84.89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/27/07	9.77	85.34	<50.0	<240	<481	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
	09/26/07	11.14	83.97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/27/07	8.89	86.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/27/08	8.87	86.24	<50	<250	<500	<1	<1	<1	<1	--	--	<1	<1	<5	<1	<1	--	--	--	--
	06/25/08	12.58	82.53	<50	<250	590	<1	<1	<1	<1	--	--	<1	--	--	--	--	--	--	--	--
	10/01/08	13.69	81.42	<50	310	<500	<1	<1	<1	<1	--	--	<1	--	--	--	--	--	--	--	--
	12/11/08	9.87	85.24	<50	<250	<500	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--
	03/10/09	8.92	86.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/27/09	9.10	86.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	09/01/09	10.99	84.12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/03/09	9.24	85.87	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	<0.010	<0.50	--	--	--	--	--	--	--	--	--
	02/18/10	8.26	86.85	<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	9.00	86.11	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	<1.0	--	--	--	--	2.63	--	<0.10	<0.10
	08/17/10	10.42	84.69	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
	12/16/10	8.61	86.50	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
	02/25/11	8.51	86.60	<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	10.44	84.67	<100	<100	<250	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
	02/07/12	9.53	85.58	<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	10.16	84.95	<100	<94.3	489	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
	01/22/13	7.88	87.23	<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	10.50	84.61	<100	<100	<100	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--	--	--
	03/24/14	8.08	87.03	<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	10.82	84.29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
235.98	01/21/15	8.97	227.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/29/15	10.59	225.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	04/10/97	10.85	80.70	55.1	< 250	--	28.1	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
91.55	07/24/97	12.93	78.62	354	348	--	49.4	0.78	< 0.5	1.85	--	--	--	--	--	--	--	--	--	--	--
	11/06/97	--	--	24,100	462	--	6870	4,870	342	1,970	--	--	--	--	--	--	--	--	--	--	--
95.36	01/27/98	11.48	83.88	18,200	373	--	4660	3,670	304	1,600	--	--	--	--	--	--	--	--	--	--	--
	04/29/98	12.91	82.45	33,700	1,970	--	4730	5,190	496	2,600	--	--	--	--	--	--	--	--	--	--	--
	07/28/98	15.59	79.77	58,200	400	--	6160	8,230	1,190	6,200	--	--	--	--	--	--	--	--	--	--	--
	10/21/98	15.78	79.58	7,050	< 250	--	1780	946	256	849	--	--	--	--	--	--	--	--	--	--	--
	01/20/99	12.10	83.26	2,300	< 250	--	868	222	102	226	--	--	--	--	--	--	--	--	--	--	--
	04/22/99	12.90	82.46	18,000	299	--	3600	3,490	488	2,330	--	--	--	--	--	--	--	--	--	--	--
	07/21/99	15.36	80.00	41,200	272	--	6840	6,590	1,090	5,300	--	--	--	--	--	--	--	--	--	--	--
	10/26/99	16.45	78.91	55,400	405	--	7780	8,270	1,350	6,970	--	--	--	--	--	--	--	--	--	--	--
	02/23/00	13.06	82.30	5,970	< 250	--	1370	416	280	838	--	--	--	--	--	--	--	--	--	--	--

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	05/31/00	13.88	81.48	34,500	295	--	3250	4,430	1,020	4,990	--	--	--	--	--	--	--	--	--	--	--
	08/22/00	15.06	80.30	50,300	318	--	5500	6,900	1,440	7,450	--	--	--	--	--	--	--	--	--	--	--
	11/08/00	15.40	79.96	22,400	836	< 500	3480	2,990	778	3,750	--	--	--	--	--	--	--	--	--	--	--
94.51	02/14/01	14.22	80.29	12,200	< 250	< 500	1660	1,260	463	1,980	--	--	--	--	--	--	--	--	--	--	--
	04/19/01	13.60	80.91	18,500	301	< 500	3230	2,020	691	2,990	--	--	--	--	--	--	--	--	--	--	--
	08/07/01	15.02	79.49	21,100	923	< 500	3580	1,810	841	3,920	--	--	--	--	--	--	--	--	--	--	--
	11/01/01	15.77	78.74	19,700	< 250	< 500	2860	1,050	841	3,000	--	--	--	--	--	--	--	--	--	--	--
	03/20/02	12.34	82.17	12,800	295	< 500	2510	1,130	458	1,240	--	--	--	--	--	--	--	--	--	--	--
	05/14/02	13.05	81.46	21,100	330	< 500	3930	2,100	759	3,300	--	--	--	--	--	--	--	--	--	--	--
	08/22/02	14.51	80.00	14,000	700	< 750 a	2300	1,100	400	2,030	--	--	--	--	--	--	--	--	--	--	--
MW-6 Dup	08/22/02	--	--	15,000	700	< 750 a	2300	1,100	410	2,040	--	--	--	--	--	--	--	--	--	--	--
MW-6	12/03/02	16.13	78.38	24,000	< 250	< 750 a	2500	910	710	2,830	--	--	--	--	--	--	--	--	--	--	--
	03/06/03	13.68	80.83	4,200	370	< 1,000 a	1100	48	280	600	--	--	--	--	--	--	--	--	--	--	--
	06/12/03	15.60	78.91	32,000	530	< 500	5500	1,200	1,300	4,820	--	--	--	--	--	--	--	--	--	--	--
	09/16/03	16.08	78.43	19,000	720	< 500	3100	340	990	3,350	--	--	--	--	--	--	--	--	--	--	--
	12/17/03	13.30	81.21	4,700	440	< 500	1400	51	320	621	--	--	--	--	--	--	--	--	--	--	--
	03/23/04	11.79	82.72	19,000	570	< 500	3200	1,000	790	2,930	--	--	--	--	--	--	--	--	--	--	--
	07/07/04	14.00	80.51	29,000	1,800	< 500	3900	860	1,000	4,060	--	--	--	--	--	--	--	--	--	--	--
	09/15/04	14.81	79.70	29,000	4,800	< 1,000 a	4600	350	1,300	4,500	--	--	--	--	--	--	--	--	--	--	--
	12/13/04	14.35	80.16	16,000	< 250	< 500	2100	160	960	2,460	--	--	--	--	--	--	--	--	--	--	--
	03/15/05	13.11	81.40	14,000	260	< 500	1300	210	1,100	2,310	--	--	--	--	--	--	--	--	--	--	--
MW-6 Dup	03/15/05	--	--	14,000	260	< 500	1300	200	1,100	2,210	--	--	--	--	--	--	--	--	--	--	--
MW-6	06/13/05	13.09	81.42	20,000	< 250	< 500	1800	390	1,500	3,790	--	--	--	--	--	--	--	--	--	--	--
	09/27/05	14.89	79.62	19,000	< 250	< 500	2100	320	1,500	3,800	--	--	--	--	--	--	--	--	--	--	--
MW-6 Dup	09/27/05	--	--	19,000	280	< 520 a	2000	320	1,400	3,580	--	--	--	--	--	--	--	--	--	--	--
MW-6	12/19/05	14.09	80.42	18,600	425	< 485	1790	194	1,410	2,680	--	--	--	--	--	--	--	--	--	--	--
	03/20/06	10.93	83.58	8,980	< 236	< 472	522	109	745	961	--	--	--	--	--	--	--	--	--	--	--
	05/02/06	11.96	82.55	21,400	246	< 476	1300	557	1,500	3,230	--	--	--	--	--	--	--	--	--	--	--

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	12/08/06	11.37	83.14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/08/07	13.25	81.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/27/07	12.66	81.85	26,900	2,000	490	1480	323	1,730	3,760	--	--	--	--	--	--	--	--	--	--	--
	09/26/07	14.38	80.13	16,700	257	<472	1890	289	2,060	<300	--	--	<5.00	<1.00	<50.0	<1.00	<1.00	--	<250	--	--
	12/27/07	11.53	82.98	7,870 c	681 d	1,300	417	88.7	603	989	--	--	--	--	--	--	--	--	--	--	--
	03/27/08	12.73	81.78	12,000	<250	<500	340	120	930	1,365	--	--	<1	<1	8.6	<1	<1	--	--	--	--
	06/25/08	12.52	81.99	13,000	450	510	320	140	920	1,762	--	--	<10	--	--	--	--	--	--	--	--
	10/01/08	13.63	80.88	11,000	410	<500	330	100	810	1,323	--	--	<20	--	--	--	--	--	--	--	--
	12/11/08	13.29	81.22	7,500	<250	<500	130	61	540	892	--	--	--	--	--	--	--	--	--	--	--
	03/10/09	12.36	82.15	6,000	<100	<100	85	23	370	480	--	--	<1.0	<2.0	<10	<2.0	<2.0	--	--	--	--
	05/27/09	11.80	82.71	4,900	<100	<100	110	41	390	500	--	--	--	--	--	--	--	--	--	--	--
	09/01/09	14.39	80.12	6,800	1,600	<100	130	25	300	440	--	--	--	--	--	--	--	--	--	--	--
	12/03/09	12.22	82.29	4,400	1,700	<100	76	17	270	270	<0.010	<1.0	--	--	--	--	--	--	--	--	--
	02/18/10	10.94	83.57	4,100	1,700 g	<100	100	25	400	410	<0.010	<1.0	<2.0	<4.0	<20	<4.0	<4.0	--	--	111	<2.5
	05/05/10	11.88	82.63	5,200	1,700 g	150	140	36	610	930	--	--	<1.0	--	--	--	--	4.51	--	38	<1.0
	08/17/10	13.58	80.93	4,900	2,300 g	<100	150	32	450	610	--	--	--	--	--	--	--	--	--	--	--
	12/16/10	11.81	82.70	4,100	1,800 g	170	120	20	470	470	--	--	--	--	--	--	--	--	--	--	--
	02/25/11	11.01	83.50	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	13.51	81.00	13,400	1,170	834	418	45.4	816	1,140	--	--	--	--	--	--	--	--	--	--	--
	02/07/12	12.03	82.48	4,880	1,100	362	83.8	11.9	451	459	--	--	<1.00	<1.00	<10.0	<1.00	<1.00	--	--	--	--
	07/31/12	12.92	81.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/01/12	--	--	12,000	1,880	408	184	34.9	857	1,140	--	--	--	--	--	--	--	--	--	--	--
	01/22/13	10.20	84.31	5,240	826	165	89.0	8.35	360	169	--	--	<1.00	<1.00	<10.0	<2.00	<1.00	--	--	--	--
	08/07/13	13.60	80.91	2,090	1,230	513	171	22.2	792	1,130	--	--	--	--	--	--	--	--	--	--	--
	03/24/14	10.07	84.44	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	14.04	80.47	7,990	1,780	1,570	167	25.4	923	885	--	--	--	--	--	--	--	--	--	--	--
236.37	01/21/15	11.65	224.72	5,010	1,160	285	68.1	8.82	292	124	--	--	<1.00	<1.00	<10.0	<2.00	<1.00	--	--	--	--
	06/29/15	13.71	222.66	9,510	1,210	236	148	20.9	543	589	--	--	--	--	--	--	--	--	--	--	--

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-7	04/10/97	7.32	85.41	< 50	< 250	--	< 0.5	< 1	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
92.73	07/24/97	9.55	83.18	< 50	< 250	--	< 0.5	< 1	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	11/06/97	--	--	< 50	< 250	--	< 0.5	< 1	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
96.23	01/27/98	7.83	88.40	< 50	< 250	--	< 0.5	< 1	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	04/29/98	9.63	86.60	< 50	< 250	--	< 0.5	0.56	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	07/28/98	11.01	85.22	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	10/21/98	11.58	84.65	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	01/20/99	9.55	86.68	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	04/22/99	8.27	87.96	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	07/21/99	10.22	86.01	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	10/26/99	12.41	83.82	< 50	< 311	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	02/23/00	9.87	86.36	< 50	< 509 a	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	05/31/00	10.26	85.97	< 50	< 250	--	< 0.5	0.79	< 0.5	1.48	--	--	--	--	--	--	--	--	--	--	--
	08/22/00	10.96	85.27	< 50	< 494	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	11/08/00	11.18	85.05	< 50	< 295	< 590 a	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
96.67	02/14/01	10.54	86.13	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	04/19/01	10.11	86.56	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	08/07/01	11.23	85.44	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	11/01/01	11.76	84.91	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	03/20/02	8.79	87.88	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	05/14/02	9.12	87.55	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	08/22/02	10.55	86.12	< 250	< 250	< 750 a	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	12/03/02	11.93	84.74	< 250	< 250	< 750 a	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	03/06/03	10.37	86.30	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	06/12/03	11.93	84.74	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	09/16/03	11.86	84.81	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	12/17/03	10.02	86.65	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	03/23/04	8.53	88.14	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--

Table 2

Summary of Groundwater Monitoring Data
 Shell-Branded Wholesale Facility
 210 Northeast 45th Street
 Seattle, Washington

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	07/07/04	10.23	86.44	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	09/15/04	10.99	85.68	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	12/13/04	10.69	85.98	< 250	< 250	< 500	< 1	< 1	< 1	2.4	--	--	--	--	--	--	--	--	--	--	--
	03/15/05	9.97	86.70	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	06/13/05	10.02	86.65	< 50	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	09/27/05	11.25	85.42	< 50	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	12/19/05	10.79	85.88	< 50.0	< 240	< 481	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
	03/20/06	7.67	89.00	< 50.0	< 236	< 472	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
	05/02/06	8.67	88.00	< 50.0	< 238	< 476	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
	12/08/06	7.86	88.81	<50.0	<245	<490	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
	03/08/07	10.05	86.62	<50.0	<250	<500	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
	06/27/07	9.65	87.02	<50.0	<240	<481	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
	09/26/07	11.08	85.59	<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	8.83	87.84	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
	03/27/08	--	--	Not Sampled - Too much traffic																	
	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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	04/10/97	8.20	85.30	1,140	< 250	--	854	365	22.3	115	--	--	--	--	--	--	--	--	--	--	--
93.50	07/24/97	9.60	83.90	78,300	7,330	--	16900	14,100	1,020	5,130	--	--	--	--	--	--	--	--	--	--	--
	11/06/97	--	--	61,500	775	--	11400	15,100	1,110	6,390	--	--	--	--	--	--	--	--	--	--	--
97.03	01/27/98	7.51	89.52	35,100	3,560	--	2150	3,700	398	3,790	--	--	--	--	--	--	--	--	--	--	--
	04/29/98	22.43	74.60	36,300	4,390	--	6230	1,470	283	2,920	--	--	--	--	--	--	--	--	--	--	--
	07/28/98	22.45	74.58	209,000	172,000	--	3380	663	247	2,270	--	--	--	--	--	--	--	--	--	--	--
	10/21/98	9.53	87.50	13,100	23,200	--	764	109	53	287	--	--	--	--	--	--	--	--	--	--	--
	01/20/99	9.19	87.84	4,410	3,010	--	135	9.5	71	136	--	--	--	--	--	--	--	--	--	--	--
	04/22/99	8.35	88.68	2,040	2,460	--	299	76	19	252	--	--	--	--	--	--	--	--	--	--	--
	07/21/99	10.43	86.60	2,430	1,670	--	462	41	91	147	--	--	--	--	--	--	--	--	--	--	--
	10/26/99	10.85	86.18	2,000	2,140	--	309	34	81	108	--	--	--	--	--	--	--	--	--	--	--
	02/23/00	9.47	87.56	858	2,040	--	9.09	5.5	3.6	22	--	--	--	--	--	--	--	--	--	--	--
	05/31/00	9.51	87.52	1,290	2,570	--	46.6	4.4	4.8	19	--	--	--	--	--	--	--	--	--	--	--
	08/22/00	21.61	75.42	1,230	1,360	--	368	19	40	40	--	--	--	--	--	--	--	--	--	--	--
	11/08/00	9.69	87.34	898	2,210	< 622 a	172	14	56	54	--	--	--	--	--	--	--	--	--	--	--
97.19	02/14/01	9.39	87.80	388	1,720	< 500	38.6	4.2	2.4	12	--	--	--	--	--	--	--	--	--	--	--
	04/19/01	8.81	88.38	302	1,200	< 500	33.4	2.2	7.6	6.9	--	--	--	--	--	--	--	--	--	--	--
	08/07/01	21.25	75.94	511	397	< 500	195	1.4	16	6.1	--	--	--	--	--	--	--	--	--	--	--
	11/01/01	20.72	76.47	273	5,630	2,320	61.5	< 0.5	4.3	< 1	--	--	--	--	--	--	--	--	--	--	--
	03/20/02	19.51	77.68	1,860	5,160	1,030	369	147	52	238	--	--	--	--	--	--	--	--	--	--	--
	05/14/02	8.87	88.32	106	362	< 500	9.75	3.1	6.4	16	--	--	--	--	--	--	--	--	--	--	--

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	08/22/02	9.18	88.01	1,000	3,300	< 7,500 a	25	2.0	46	21	--	--	--	--	--	--	--	--	--	--	--
	12/03/02	10.90	86.29	< 250	270	< 750 a	3	< 1	12	< 1	--	--	--	--	--	--	--	--	--	--	--
	03/06/03	20.70	76.49	< 250	< 250	< 500	19	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	06/11/03	21.20	75.99	300	< 250	< 500	83	6.1	12	34	--	--	--	--	--	--	--	--	--	--	--
	09/16/03	20.80	76.39	< 250	< 250	< 500	15	< 1	6.7	6.2	--	--	--	--	--	--	--	--	--	--	--
	12/17/03	8.38	88.81	< 250	< 250	< 500	5	< 1	1.2	< 1	--	--	--	--	--	--	--	--	--	--	--
	03/23/04	7.95	89.24	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	07/07/04	8.83	88.36	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	09/15/04	9.15	88.04	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	12/13/04	8.66	88.53	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	03/15/05	8.62	88.57	< 250	< 250	< 500	10	< 1	19	5.1	--	--	--	--	--	--	--	--	--	--	--
	06/13/05	9.23	87.96	140	< 250	< 500	3.2	2.7	3	24.2	--	--	--	--	--	--	--	--	--	--	--
	09/27/05	9.49	87.70	800	< 250	< 500	28	8.3	52	46	--	--	--	--	--	--	--	--	--	--	--
	12/19/05	10.12	87.07	2,910	552	< 481	331	25.3	221	276	--	--	--	--	--	--	--	--	--	--	--
	03/20/06	7.74	89.45	< 50.0	< 236	< 472	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
MW-8 Dup	03/20/06	--	--	< 50.0	< 236	< 472	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
MW-8	05/02/06	8.10	89.09	< 50.0	< 236	< 472	0.887	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
	12/08/06	7.98	89.21	<50.0	<263	<526 a	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
	03/08/07	8.69	88.50	<50.0	<245	<490	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
	06/27/07	8.51	88.68	<50.0	<240	<481	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
	09/26/07	10.00	87.19	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	7.84	89.35	<50.0	<236	<472	0.65	<0.500	1.48	<3.00	--	--	--	--	--	--	--	--	--	--	--
	03/27/08	8.04	89.15	<50	<250	<500	<1	<1	<1	<1	--	--	<1	<1	<5	<1	<1	--	--	--	--
	06/25/08	9.24	87.95	<50	790	<1,000 a	<1	<1	<1	<1	--	--	<1	--	--	--	--	--	--	--	--
	10/01/08	10.43	86.76	<50	1,100	<500	<1	<1	<1	<1	--	--	<1	--	--	--	--	--	--	--	--
	12/11/08	9.79	87.40	<50	<250	<500	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--
	03/10/09	9.01	88.18	<100	150	<100	<0.50	<1.0	<1.0	<1.0	--	--	<1.0	<2.0	<10	<2.0	<2.0	--	--	--	--
	05/27/09	8.11	89.08	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	09/01/09	9.26	87.93	2,400	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
	12/03/09	8.14	89.05	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	<0.01	<0.50	--	--	--	--	--	--	--	--	--
	02/18/10	15.45	81.74	<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	7.97	89.22	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	<1.0	--	--	--	--	1.01	--	<0.10	<0.10
	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	<100	472	<93.9	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--	--	--
238.04	01/21/15	7.84	230.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	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	8.99	229.05	<100	<93.0	<93.0	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-24	04/10/97	6.56	85.51	2,360	2,930	--	1560	27	158	241	--	--	--	--	--	--	--	--	--	--	--
92.07	07/24/97	7.32	84.75	10,600	3,860	--	1980	48	518	830	--	--	--	--	--	--	--	--	--	--	--
	11/06/97	--	--	6,560	6,290	--	2400	98	471	582	--	--	--	--	--	--	--	--	--	--	--

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	01/27/98	6.26	85.81	5,670	4,350	--	2000	44	473	723	--	--	--	--	--	--	--	--	--	--	--
	04/29/98	6.96	85.11	4,690	3,300	--	1230	21	336	433	--	--	--	--	--	--	--	--	--	--	--
	07/28/98	8.09	83.98	3,880	3,160	--	1470	20	319	384	--	--	--	--	--	--	--	--	--	--	--
	10/21/98	8.68	83.39	2,140	1,540	--	709	< 10	161	153	--	--	--	--	--	--	--	--	--	--	--
	01/20/99	6.47	85.60	5,310	9,020	--	1740	37	470	601	--	--	--	--	--	--	--	--	--	--	--
	04/22/99	7.87	84.20	3,930	1,170	--	1260	28	427	473	--	--	--	--	--	--	--	--	--	--	--
	07/21/99	8.75	83.32	6,350	1,130	--	2210	42	579	652	--	--	--	--	--	--	--	--	--	--	--
	10/26/99	9.43	82.64	2,980	< 284	--	483	27	140	168	--	--	--	--	--	--	--	--	--	--	--
	02/23/00	7.98	84.09	4,020	3,430	--	1460	28	469	438	--	--	--	--	--	--	--	--	--	--	--
	05/31/00	8.48	83.59	4,240	399	--	1340	21	386	323	--	--	--	--	--	--	--	--	--	--	--
	08/22/00	8.35	83.72	3,170	3,110	--	890	15	306	287	--	--	--	--	--	--	--	--	--	--	--
	11/08/00	8.39	83.68	8,560	4,880	5,290	861	10	273	264	--	--	--	--	--	--	--	--	--	--	--
96.02	02/14/01	7.78	88.24	3,900	2,440	3,140	906	21	298	299	--	--	--	--	--	--	--	--	--	--	--
	04/19/01	7.45	88.57	5,020	2,410	4,780	1410	< 25	458	411	--	--	--	--	--	--	--	--	--	--	--
	08/07/01	8.30	87.72	3,170	2,550	4,320	686	11	279	267	--	--	--	--	--	--	--	--	--	--	--
	11/01/01	8.60	87.42	4,050	503	811	407	< 10	254	241	--	--	--	--	--	--	--	--	--	--	--
	03/20/02	6.86	89.16	3,850	1,510	2,350	629	13	273	323	--	--	--	--	--	--	--	--	--	--	--
	05/14/02	7.35	88.67	3,750	1,760	3,320	670	12	400	344	--	--	--	--	--	--	--	--	--	--	--
	08/22/02	8.35	87.67	2,300	< 250	< 750 a	230	4.0	130	103	--	--	--	--	--	--	--	--	--	--	--
	12/03/02	8.73	87.29	1,600	< 250	< 750 a	180	< 1	89	63	--	--	--	--	--	--	--	--	--	--	--
	03/06/03	7.32	88.70	3,500	23,000	< 12,000 a	930	19	400	300	--	--	--	--	--	--	--	--	--	--	--
	06/12/03	8.90	87.12	3,400	< 250	< 500	840	14	400	232	--	--	--	--	--	--	--	--	--	--	--
	09/16/03	10.26	85.76	1,500	< 250	< 500	150	3.5	99	72	--	--	--	--	--	--	--	--	--	--	--
	12/17/03	7.10	88.92	2,600	320	< 500	930	13	300	120	--	--	--	--	--	--	--	--	--	--	--
	03/23/04	6.98	89.04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/07/04	7.77	88.25	4,500	3,900	< 2,500 a	800	13	430	160	--	--	--	--	--	--	--	--	--	--	--
	09/15/04	8.14	87.88	2,500	3,100	700	520	7	230	97	--	--	--	--	--	--	--	--	--	--	--
	12/13/04	7.23	88.79	4,000	340	650	830	15	310	140	--	--	--	--	--	--	--	--	--	--	--
	03/15/05	7.54	88.48	Sheen present in well; no sample taken.																	

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	06/13/05	7.47	88.55	Sheen present in well; no sample taken.																	
	09/27/05	8.59	87.43	Sheen present in well; no sample taken.																	
	12/19/05	7.87	88.15	Sheen present in well; no sample taken.																	
	03/20/06	6.72	89.30	Sheen present in well; no sample taken.																	
	05/02/06	7.02	89.00	Sheen present in well; no sample taken.																	
	12/08/06	7.02	89.00	3,960	17,100	16,500	800	<50.0	341	<300	--	--	--	--	--	--	--	--	--	--	--
	03/08/07	8.09	87.93	574	576	1,670	1.12	<0.500	3.32	<3.00	--	--	--	--	--	--	--	--	--	--	--
	06/27/07	7.57	88.45	3,190	800	1,040	587	6.76	180	35.1	--	--	--	--	--	--	--	--	--	--	--
	09/26/07	8.49	87.53	2,770	380	1,320	188	7.05	278	51.8	--	--	<5.00	<1.00	<50.0	<1.00	<1.00	--	<250	--	--
	12/27/07	7.09	88.93	2,940 c	2,430 d	8,010	297	7.46	130	28.7	--	--	--	--	--	--	--	--	--	--	--
	03/27/08	7.29	88.73	3,700	1,200	3,700	490	<10	220	69	--	--	<10	<10	<50	<10	<10	--	--	--	--
	06/25/08	7.84	88.18	4,700	850	2,500	570	11	300	77	--	--	<10	--	--	--	--	--	--	--	--
	10/01/08	8.49	87.53	1,000	<250	<500	25	2	3.8	5.7	--	--	<1	--	--	--	--	--	--	--	--
	12/11/08	9.80	86.22	2,900	<250	<500	380	11	150	26	--	--	--	--	--	--	--	--	--	--	--
	03/10/09	--	--	Not Sampled - Construction																	
	05/27/09	7.10	88.92	3,100	<100	<100	260	<5.0	130	23	--	--	<5.0	<10	<50	<10	<10	--	--	--	--
	09/01/09	8.67	87.35	8,300	540	<100	8.3	<2.0	15	9.7	--	--	--	--	--	--	--	--	--	--	--
	12/04/09	7.10	88.92	1,100	1,400	670	130	2.9	90	10	<0.010	<0.50	--	--	--	--	--	--	--	--	--
	02/18/10	6.57	89.45	130	<100	<100	16	<1.0	4.8	<1.0	<0.010	<0.50	<1.0	<2.0	<10	<2.0	<2.0	--	--	1.71	<0.10
	05/05/10	7.02	89.00	<100	<100	<100	3	<1.0	<1.0	<1.0	--	--	<1.0	--	--	--	--	1.55	--	<0.10	<0.10
	08/17/10	8.10	87.92	950 g	310 g	<100	58	4.1	67	5.2	--	--	--	--	--	--	--	--	--	--	--
	12/16/10	6.35	89.67	<100	<100	290	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
	02/25/11	6.90	89.12	3,220	1,590	9,350	48.3	2.65	71.7	12.9	--	--	<1.00	<1.00	<20.0	<1.00	<1.00	--	--	--	--
	08/11/11	8.01	88.01	1,900	277	<250	124	5.12	109	17.5	--	--	--	--	--	--	--	--	--	--	--
	02/07/12	6.75	89.27	147	<95.2	<238	15.1	<1.00	12.3	<3.00	--	--	<1.00	<1.00	<10.0	<1.00	<1.00	--	--	--	--
	07/31/12	7.58	88.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/01/12	--	--	1,300	438	<94.3	107	6.10	115	18.6	--	--	--	--	--	--	--	--	--	--	--
MW-25	04/10/97	6.85	86.33	246	311	--	8.27	3.0	29	21	--	--	--	--	--	--	--	--	--	--	--
93.18	07/24/97	7.43	85.75	283	353	--	8.46	3.3	29	18	--	--	--	--	--	--	--	--	--	--	--

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	11/06/97	--	--	< 50	< 250	--	4.18	0.59	3.3	2.3	--	--	--	--	--	--	--	--	--	--	--
96.99	01/27/98	6.09	90.90	< 50	< 250	--	3.76	< 0.5	1.2	1.1	--	--	--	--	--	--	--	--	--	--	--
	04/29/98	7.18	89.81	248	< 250	--	2.48	1.4	19	12	--	--	--	--	--	--	--	--	--	--	--
	07/28/98	8.16	88.83	304	< 250	--	5.88	2.8	28	16	--	--	--	--	--	--	--	--	--	--	--
	10/21/98	8.08	88.91	172	< 250	--	0.923	2.4	19	19	--	--	--	--	--	--	--	--	--	--	--
	01/20/99	6.05	90.94	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	04/22/99	8.07	88.92	< 50	< 250	--	< 0.5	< 0.5	< 0.55	< 1	--	--	--	--	--	--	--	--	--	--	--
	07/21/99	8.81	88.18	53	< 250	--	< 0.5	< 0.5	3.6	2.3	--	--	--	--	--	--	--	--	--	--	--
	10/26/99	9.61	87.38	< 50	1,090	--	< 0.5	< 0.5	1.2	1.3	--	--	--	--	--	--	--	--	--	--	--
	02/23/00	7.73	89.26	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	05/31/00	8.43	88.56	77	< 250	--	1.21	< 0.5	1.1	1.5	--	--	--	--	--	--	--	--	--	--	--
	08/22/00	8.46	88.53	168	< 473	--	0.95	1.4	15	7.8	--	--	--	--	--	--	--	--	--	--	--
	11/08/00	7.16	89.83	< 50	< 293	< 585 a	< 0.5	< 0.5	0.65	< 1	--	--	--	--	--	--	--	--	--	--	--
97.15	02/14/01	7.75	89.40	85	< 250	< 500	< 0.5	0.67	6.8	5.6	--	--	--	--	--	--	--	--	--	--	--
	04/19/01	7.34	89.81	< 50	< 250	< 500	< 0.5	< 0.5	1.6	1.5	--	--	--	--	--	--	--	--	--	--	--
	08/07/01	8.24	88.91	65	< 250	< 500	< 0.5	< 0.5	3.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	11/01/01	8.03	89.12	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	03/20/02	6.61	90.54	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	05/14/02	7.48	89.67	234	< 250	< 500	0.754	0.84	17	14	--	--	--	--	--	--	--	--	--	--	--
	08/22/02	8.30	88.85	< 250	< 250	< 750 a	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	12/03/02	8.44	88.71	< 250	< 250	< 750 a	< 1	< 1	2.1	2.5	--	--	--	--	--	--	--	--	--	--	--
	03/06/03	7.45	89.70	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	06/12/03	9.16	87.99	< 250	< 250	< 500	< 1	1.2	14	2.2	--	--	--	--	--	--	--	--	--	--	--
	09/16/03	8.68	88.47	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	12/17/03	6.90	90.25	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	03/23/04	7.17	89.98	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	07/07/04	7.87	89.28	< 250	< 250	< 500	< 1	< 1	9	1.4	--	--	--	--	--	--	--	--	--	--	--
	09/15/04	8.02	89.13	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	12/13/04	6.90	90.25	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	03/05/05	7.65	89.50	< 250	< 250	< 500	< 1	< 1	5.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	06/13/05	7.66	89.49	84	< 250	< 500	< 1	< 1	2.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	09/27/05	8.55	88.60	53	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	12/19/05	7.90	89.25	54.2	< 240	< 481	< 0.500	< 0.500	0.800	< 1.00	--	--	--	--	--	--	--	--	--	--	--
	03/20/06	6.93	90.22	< 50.0	< 236	< 472	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
	05/02/06	7.32	89.83	< 50.0	258	< 472	< 0.500	< 0.500	0.563	< 1.00	--	--	--	--	--	--	--	--	--	--	--
	12/08/06	7.33	89.82	<50.0	<248	<495	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
	03/08/07	7.72	89.43	<50.0	<245	<490	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
	06/27/07	7.83	89.32	74.0	<240	<481	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
	09/26/07	8.63	88.52	<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	7.08	90.07	<50.0	<236	<472	0.63	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
	03/27/08	7.07	90.08	<50	<250	<500	<1	<1	<1	<1	--	--	<1	<1	<5	<1	<1	--	--	--	--
	06/25/08	7.93	89.22	<50	<250	<500	<1	<1	<1	<1	--	--	<1	--	--	--	--	--	--	--	--
	10/01/08	8.51	88.64	54	<250	<500	<1	<1	<1	<1	--	--	<1	--	--	--	--	--	--	--	--
	12/11/08	8.01	89.14	<50	<250	<500	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--
	03/10/09	7.34	89.81	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	<1.0	<2.0	<10	<2.0	<2.0	--	--	--	--
	05/27/09	7.36	89.79	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
	09/01/09	8.64	88.51	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
	12/03/09	7.16	89.99	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	<0.010	<0.50	--	--	--	--	--	--	--	--	--
	02/18/10	6.26	90.89	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	<0.010	<0.50	<1.0	<2.0	<10	<2.0	<2.0	--	--	--	--
	05/05/10	7.19	89.96	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	<1.0	--	--	--	--	--	--	<0.10	<0.10
	08/17/10	8.16	88.99	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
	12/16/10	6.11	91.04	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
	02/25/11	6.74	90.41	<100	<97.1	188	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<20.0	<1.00	<1.00	--	--	--	--
	08/11/11	8.14	89.01	<100	<100	<250	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
	02/07/12	6.81	90.34	<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	7.77	89.38	<100	135	<94.3	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-29	07/24/98	8.61	77.16	< 50	559	--	1.11	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
85.77	07/24/97	--	--	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	11/06/97	--	--	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
89.57	01/27/98	7.14	82.43	< 50	< 250	--	< 0.5	0.55	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	04/29/98	8.39	81.18	< 50	< 250	--	0.64	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	07/28/98	9.17	80.40	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	10/21/98	9.42	80.15	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	01/20/99	7.01	82.56	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	04/22/99	9.18	80.39	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	07/21/99	9.75	79.82	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	10/26/99	10.28	79.29	< 50	< 250	--	< 0.5	< 0.5	< 0.5	1.4	--	--	--	--	--	--	--	--	--	--	--
	02/23/00	8.87	80.70	< 50	< 292	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	05/31/00	9.56	80.01	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	08/22/00	9.31	80.26	< 50	< 296	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	11/08/00	8.67	80.90	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
89.74	02/14/01	8.52	81.22	< 50	476	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	04/19/01	8.47	81.27	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	08/07/01	9.19	80.55	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	11/01/01	8.81	80.93	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	03/20/02	8.07	81.67	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	05/14/02	8.63	81.11	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	08/22/02	9.29	80.45	< 250	< 250	< 750 a	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	12/03/02	9.32	80.42	< 250	< 250	< 750 a	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	03/06/03	8.49	81.25	< 250	< 6,200 a	390	< 1	< 1	1.5	1.1	--	--	--	--	--	--	--	--	--	--	--
	06/12/03	10.11	79.63	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	09/16/03	9.53	80.21	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	12/17/03	7.94	81.80	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	03/23/04	8.39	81.35	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	07/07/04	8.97	80.77	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	09/15/04	9.11	80.63	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	12/13/04	7.73	82.01	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	03/15/05	8.63	81.11	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	06/13/05	8.63	81.11	< 50	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	09/27/05	9.44	80.30	< 50	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	12/19/05	8.73	81.01	< 50.0	< 240	< 481	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
	03/20/06	8.18	81.56	< 50.0	< 236	< 472	1.15	< 0.500	1.50	2.06	--	--	--	--	--	--	--	--	--	--	--
	05/02/06	8.40	81.34	< 50.0	< 238	< 476	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
	12/08/06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/08/07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/27/07	8.57	81.17	<50.0	<240	<481	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
	09/26/07	9.11	80.63	<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	7.74	82.00	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
	03/27/08	7.78	81.96	<50	<250	<500	<1	<1	<1	<1	--	--	<1	<1	<5	<1	<1	--	--	--	--
	06/25/08	8.65	81.09	<50	<250	<500	<1	<1	<1	<1	--	--	<1	--	--	--	--	--	--	--	--
	10/01/08	9.12	80.62	<50	<250	<500	<1	<1	<1	<1	--	--	<1	--	--	--	--	--	--	--	--
	12/11/08	8.58	81.16	<50	<250	<500	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--
	03/10/09	8.09	81.65	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	<1.0	<2.0	<10	<2.0	<2.0	--	--	--	--
	05/27/09	7.95	81.79	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
	09/01/09	8.85	80.89	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
	12/03/09	7.60	82.14	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	<0.010	<0.50	--	--	--	--	--	--	--	--	--
	02/18/10	7.28	82.46	<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	7.82	81.92	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	<1.0	--	--	--	--	--	--	<0.10	<0.10
	08/23/10	8.89	80.85	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
	12/16/10	6.70	83.04	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
	02/25/11	7.47	82.27	<100	<97.1	157	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<20.0	<1.00	<1.00	--	--	--	--
	08/11/11	8.90	80.84	<100	<100	<250	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
	02/07/12	7.68	82.06	<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	8.44	81.30	<100	<94.3	<94.3	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
VP-1	12/03/02	10.72	87.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs		
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs	
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1	
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
98.45	03/06/03	9.26	89.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	06/12/03	9.64	88.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	09/16/03	11.02	87.43	260	620	< 500	2.4	< 1	1.2	6.6	--	--	--	--	--	--	--	--	--	--	--	
	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	<50.0	<240	<481	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--	
	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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/03/09	14.19	84.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	02/18/10	6.14	92.31	<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	

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	05/04/10	7.81	90.64	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	<0.10	<0.10	
	08/17/10	8.39	90.06	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	
	12/16/10	6.33	92.12	<100	100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	
	02/25/11	6.51	91.94	<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	8.51	89.94	<100	<97.1	<243	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	
	02/07/12	7.46	90.99	<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	8.26	90.19	<100	613	<94.3	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	
	01/22/13	6.01	92.44	<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	8.71	89.74	<100	285	233	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--	--	
	03/24/14	5.98	92.47	<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	9.04	89.41	<100	195	<93.9	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--	--	
239.33	01/21/15	7.01	232.32	<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	8.69	230.64	<100	837	122	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	
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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

Table 2

Summary of Groundwater Monitoring Data
 Shell-Branded Wholesale Facility
 210 Northeast 45th Street
 Seattle, Washington

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates				Lead		PAHs		
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	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	202	2,560	< 500	41.3	3.5	1.2	4.6	--	--	--	--	--	--	--	--	--	--	--
	05/14/02	8.06	89.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	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	334	<240	<481	19.4	0.520	1.13	<3.00	--	--	--	--	--	--	--	--	--	--	--
	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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	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	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
	08/17/10	8.09	89.64	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
	12/16/10	6.00	91.73	<100	160 g	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
	02/25/11	6.11	91.62	<100	136	120	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<20.0	<1.00	<1.00	--	--	--	--
	08/11/11	8.12	89.61	<100	<100	<250	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
	02/07/12	7.19	90.54	<100	166	<240	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<10.0	<1.00	<1.00	--	--	--	--
	07/31/12	7.92	89.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/01/12	--	--	<100	195	<94.3	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
	01/22/13	5.69	92.04	<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	8.40	89.33	<100	139	<100	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--	--	--
	03/24/14	5.60	92.13	<100	139	322	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<10.0	<2.00	<1.00	--	--	--	--
	08/27/14	8.78	88.95	<100	115	<93.9	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--	--	--
238.59	01/21/15	6.62	231.97	<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	8.29	230.30	<100	6,290	808	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
VP-3	04/10/97	6.72	87.08	821	1,100	--	26.7	5.5	1.05	10.6	--	--	--	--	--	--	--	--	--	--	--
93.80	07/24/97	8.50	85.30	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	--	--	--	--	--	--	--	--	--	--	--
97.61	01/27/98	6.66	90.95	1,950	2,230	--	968	10.3	3.32	17.4	--	--	--	--	--	--	--	--	--	--	--
	04/29/98	9.37	88.24	3,860	2,100	--	1820	74.3	7.51	18.9	--	--	--	--	--	--	--	--	--	--	--
	07/28/98	11.47	86.14	1,670	4,460	--	729	< 10	< 10	< 20	--	--	--	--	--	--	--	--	--	--	--
	10/21/98	10.55	87.06	6,280	9,910	--	817	46.8	13.8	29.3	--	--	--	--	--	--	--	--	--	--	--

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	01/20/99	8.66	88.95	2,890	1,340	--	259	31.8	5.82	34.2	--	--	--	--	--	--	--	--	--	--	--
	04/22/99	7.63	89.98	604	< 250	--	10.5	1.22	< 0.62	< 3.5	--	--	--	--	--	--	--	--	--	--	--
	07/21/99	9.48	88.13	568	371	--	12.5	< 0.5	< 0.56	< 2.76	--	--	--	--	--	--	--	--	--	--	--
	10/26/99	11.41	86.20	2,970	521	--	92.9	3.28	2.5	10.3	--	--	--	--	--	--	--	--	--	--	--
	02/23/00	8.88	88.73	7,950	4,840	--	1100	32.2	< 25	< 50	--	--	--	--	--	--	--	--	--	--	--
	05/31/00	9.06	88.55	4,310	3,680	--	301	8.74	17.3	26.1	--	--	--	--	--	--	--	--	--	--	--
	08/22/00	11.03	86.58	4,360	887	--	271	< 5	8.49	11.7	--	--	--	--	--	--	--	--	--	--	--
	11/08/00	10.24	87.37	8,920	2,820	< 597 a	1610	1,040	53.2	222	--	--	--	--	--	--	--	--	--	--	--
97.75	02/14/01	9.85	87.90	3,640	2,390	< 500	179	24.2	8.55	< 26	--	--	--	--	--	--	--	--	--	--	--
	04/19/01	9.21	88.54	2,590	5,690	1,040	186	< 2.5	5.76	7.8	--	--	--	--	--	--	--	--	--	--	--
	08/07/01	10.99	86.76	1,190	8,960	1,640	150	13.4	< 2.5	6.5	--	--	--	--	--	--	--	--	--	--	--
	11/01/01	11.52	86.23	594	3,010	729	31.6	0.718	< 0.50	1.81	--	--	--	--	--	--	--	--	--	--	--
	03/20/02	9.08	88.67	4,520	6,790	1,270	233	< 5	16.9	15.2	--	--	--	--	--	--	--	--	--	--	--
	05/14/02	8.56	89.19	3,220	8,730	2,310	46.2	3.82	6.11	17.3	--	--	--	--	--	--	--	--	--	--	--
	08/22/02	9.55	88.20	6,700	2,000	< 750 a	230	3	10	9	--	--	--	--	--	--	--	--	--	--	--
	12/03/02	11.14	86.61	700	< 250	< 750 a	35	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	03/06/03	10.23	87.52	4,200	520	< 500	290	5.2	18	5.5	--	--	--	--	--	--	--	--	--	--	--
	06/12/03	10.72	87.03	6,300	670	< 500	340	< 1	17	5.2	--	--	--	--	--	--	--	--	--	--	--
	09/16/03	11.90	85.85	1,700	< 250	< 500	320	190	1.5	29	--	--	--	--	--	--	--	--	--	--	--
	12/17/03	8.66	89.09	1,000	2,200	< 500	75	12	< 1	20.1	--	--	--	--	--	--	--	--	--	--	--
	03/23/04	7.44	90.31	2,900	3,100	< 500	280	15	4.7	15.5	--	--	--	--	--	--	--	--	--	--	--
	03/23/04	--	--	2,800	3,700	< 500	280	14	4.4	17	--	--	--	--	--	--	--	--	--	--	--
	07/07/04	8.99	88.76	710	3,700	< 500	51	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	09/15/04	9.79	87.96	830	11,000	< 2,500 a	160	< 1	< 1	3	--	--	--	--	--	--	--	--	--	--	--
	12/13/04	9.24	88.51	510	860	< 500	120	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	03/15/05	8.70	89.05	2,400	1,400	550	250	1.5	10	7.8	--	--	--	--	--	--	--	--	--	--	--
	06/13/05	8.70	89.05	2,100	1,100	< 500	330	1.5	9.1	4.5	--	--	--	--	--	--	--	--	--	--	--
	09/27/05	10.05	87.70	1,400	550	< 500	300	2.1	7.4	< 1	--	--	--	--	--	--	--	--	--	--	--

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	12/19/05	10.27	87.48	2,370	3,720	< 485	178	11.1	9.06	8.66	--	--	--	--	--	--	--	--	--	--	--
	12/19/05	--	--	2,140	4,120	< 476	173	10.4	8.48	8.14	--	--	--	--	--	--	--	--	--	--	--
	03/20/06	6.81	90.94	2,440	6,360	< 943	160	22.3	2.99	13	--	--	--	--	--	--	--	--	--	--	--
	05/02/06	7.67	90.08	Sheen present in well; no sample taken.																	
	12/08/06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/08/07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/27/07	7.76	89.99	3,630	795	<481	229	1.24	11.4	<3.00	--	--	--	--	--	--	--	--	--	--	--
	09/26/07	9.24	88.51	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	6.60	91.15	1,010 c	1,030 e	873	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
	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	610	760 g	<100	85	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	2.3	<0.10
	08/17/10	8.09	89.66	1,500 g	1,100 g	<100	120	<1.0	3.9	<1.0	--	--	--	--	--	--	--	--	--	--	--
	12/16/10	5.96	91.79	610 g	590 g	<100	42	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
	02/25/11	5.90	91.85	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	8.20	89.55	2,490	1,410	<250	129	<1.00	2.46	<3.00	--	--	--	--	--	--	--	--	--	--	--
	02/07/12	7.16	90.59	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	7.88	89.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/01/12	--	--	1,980	1,980	198	70.2	<1.00	3.81	<3.00	--	--	--	--	--	--	--	--	--	--	--
	01/22/13	5.42	92.33	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	8.30	89.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/24/14	5.45	92.30	1,300	1,950	166	13.9	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<10.0	<2.00	<1.00	--	--	--	--

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	08/27/14	8.74	89.01	1,500	1,670	<93.9	23.3	<1.00	1.47	<2.00	--	--	--	--	--	--	--	--	--	--	--
237.86	01/21/15	6.51	231.35	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	8.35	229.51	868	2,040	111	17.6	<1.00	1.72	<3.00	--	--	--	--	--	--	--	--	--	--	--
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	<50.0	<240	<481	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
	09/26/07	9.41	87.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/27/07	6.70	90.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/27/08	6.68	90.56	<50	<250	<500	<1	<1	<1	<1	--	--	<1	<1	<5	<1	<1	--	--	--	--
	06/25/08	7.70	89.54	<50	<250	<500	<1	<1	<1	<1	--	--	<1	--	--	--	--	--	--	--	--
	10/01/08	9.14	88.10	<50	<250	<500	<1	<1	<1	<1	--	--	<1	--	--	--	--	--	--	--	--
	12/11/08	8.01	89.23	<50	<250	<500	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--
	03/10/09	6.80	90.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	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	<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	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	1,070	2,150	100	38.0	<1.00	1.17	<2.00	--	--	--	--	--	--	--	--	--	--	--
	03/24/14	9.04	88.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/27/14	9.01	88.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/02/14	--	--	<100	<94.3	<94.3	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--	--	--
238.29	01/21/15	6.72	231.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	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	8.47	229.82	<100	<93.0	<93.0	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
VP-5	04/10/97	6.72	86.38	1,170	666	--	1.99	0.569	2.41	2.93	--	--	--	--	--	--	--	--	--	--	--
93.10	07/24/97	8.81	84.29	174	< 250	--	7.13	1.85	< 0.5	1	--	--	--	--	--	--	--	--	--	--	--
	11/06/07	--	--	111	< 250	--	88.5	1.63	< 0.5	3.14	--	--	--	--	--	--	--	--	--	--	--
96.91	01/27/98	6.89	90.02	96.3	< 250	--	4.81	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	04/29/98	17.92	78.99	< 50	< 250	--	23.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	07/28/98	17.80	79.11	< 50	< 250	--	5.17	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	10/21/98	10.92	85.99	< 50	2,660	--	74.7	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	01/20/99	8.90	88.01	< 50	2,460	--	1.99	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	04/22/99	8.89	88.02	< 50	755	--	1.18	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	07/21/99	10.21	86.70	< 50	673	--	4.91	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	10/26/99	11.85	85.06	< 50	< 306	--	1.16	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	02/23/00	9.27	87.64	< 50	1,330	--	1.51	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	05/31/00	9.32	87.59	152	3,410	--	6.86	0.93	< 0.5	2.09	--	--	--	--	--	--	--	--	--	--	--
	08/22/00	13.22	83.69	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	11/08/00	10.65	86.26	< 50	< 295	< 590 a	2.06	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
97.07	02/14/01	10.15	86.92	< 50	481	< 500	1.34	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	04/19/01	10.45	86.62	< 50	1,360	< 500	2.8	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	08/07/01	17.37	79.70	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	11/01/01	17.67	79.40	< 50	< 250	< 500	< 0.5	1.56	< 0.5	1.79	--	--	--	--	--	--	--	--	--	--	--
	03/20/02	15.56	81.51	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
	05/14/02	8.63	88.44	< 50	1,100	< 500	< 0.5	< 0.5	< 0.5	1.36	--	--	--	--	--	--	--	--	--	--	--
	08/22/02	9.94	87.13	< 250	< 250	< 750	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	12/03/02	13.00	84.07	< 250	< 250	< 750	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	03/06/03	17.20	79.87	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	06/11/03	17.60	79.47	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	09/16/03	14.00	83.07	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	12/17/03	9.22	87.85	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	03/23/04	7.72	89.35	< 250	260	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	07/07/04	9.43	87.64	1,100	1,100	< 500	< 1	< 1	< 1	1.5	--	--	--	--	--	--	--	--	--	--	--
	09/15/04	10.25	86.82	550	4,800	< 1,500 a	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5 Dup	09/15/04	--	--	530	1,100	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5	12/13/04	9.75	87.32	< 250	770	2,400	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5 Dup	12/13/04	--	--	< 250	710	2,100	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5	03/15/05	9.05	88.02	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	06/13/05	9.30	87.77	59	360	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5 Dup	06/13/05	--	--	55	340	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5	09/27/05	10.23	86.84	< 50	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	12/19/05	8.89	88.18	< 50.0	< 240	< 481	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
	03/20/06	6.83	90.24	< 50.0	< 236	< 472	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	05/02/06	7.70	89.37	< 50.0	< 238	< 476	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
	12/08/06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/08/07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/27/07	8.56	88.51	50.9	<240	<481	< 0.500	< 0.500	< 0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
	09/26/07	11.61	85.46	<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	7.42	89.65	<50.0	<236	<472	78.4	36.0	2.21	9.49	--	--	--	--	--	--	--	--	--	--	--
	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	<100	915	509	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--	--	--
	03/24/14	6.84	90.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	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	--	--	--	--
	08/27/14	9.75	87.32	<100	<93.9	<93.9	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--	--	--
237.93	01/21/15	7.50	230.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	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	9.31	228.62	<100	<93.0	<93.0	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs		
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs	
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1	
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
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	16,900	3,290	< 500	39.9	379	43	2,670	--	--	--	--	--	--	--	--	--	--	--	
	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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
	12/13/04	7.74	90.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	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	994	<240	<481	3.71	0.770	7.27	40.8	--	--	--	--	--	--	--	--	--	--	
	09/26/07	8.84	89.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/27/07	7.03	90.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	03/27/08	7.03	90.82	<50	<250	<500	<1	<1	<1	<1	--	--	<1	<1	<5	<1	<1	--	--	--	
	06/25/08	7.68	90.17	4,200	<250	<500	<1	3	69	450	--	--	<1	--	--	--	--	--	--	--	
	10/01/08	8.65	89.20	1,100	<250	<500	1.8	4.4	75	280	--	--	<1	--	--	--	--	--	--	--	
	12/11/08	7.98	89.87	6,400	510	<500	1.2	9.7	370	1,580	--	--	--	--	--	--	--	--	--	--	
	03/10/09	7.19	90.66	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	<1.0	<2.0	<10	<2.0	<2.0	--	--	--	
	05/27/09	6.98	90.87	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	
	09/01/09	8.62	89.23	5,100	970	<100	1.5	5.5	180	630	--	--	--	--	--	--	--	--	--	--	
	12/03/09	6.93	90.92	<100	<100	190	<0.50	<1.0	<1.0	<1.0	<0.010	<0.50	--	--	--	--	--	--	--	--	
	02/25/10	6.00	91.85	<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	
	05/04/10	6.83	91.02	<100	<100	<100	<0.50	<1.0	6.0	7.5	--	--	--	--	--	--	--	--	--	<0.10	
	08/17/10	7.93	89.92	5,800 g	3,600 g	<100	1.1	3.8	330	950	--	--	--	--	--	--	--	--	--	--	
	12/16/10	6.00	91.85	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	
	02/25/11	6.30	91.55	<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	8.01	89.84	4,200	1,060	<240	<1.00	2.14	96.8	239	--	--	--	--	--	--	--	--	--	--	
	02/07/12	7.03	90.82	<100	143	<243	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<10.0	<1.00	<1.00	--	--	--	
	07/31/12	7.79	90.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	08/01/12	--	--	660	676	<94.3	<1.00	<1.00	32.9	125	--	--	--	--	--	--	--	--	--	--	

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	01/22/13	6.00	91.85	<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	8.20	89.65	4,580	1,280	<100	<1.00	1.58	95.6	303	--	--	--	--	--	--	--	--	--	--	--
	03/24/14	5.87	91.98	<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	8.34	89.51	173	155	<93.9	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--	--	--
238.72	01/21/15	6.71	232.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	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	8.17	230.55	242	179	<93.5	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
VP-7	04/10/97	13.32	79.84	3,240,000	15,800	--	20600	41,700	6,700	44,300	--	--	--	--	--	--	--	--	--	--	--
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	67,600	26,900	--	2590	3,680	894	8,830	--	--	--	--	--	--	--	--	--	--	--
	04/22/99	9.95	86.84	83,100	15,900	--	9260	8,550	303	8,380	--	--	--	--	--	--	--	--	--	--	--
	07/21/99	12.62	84.17	704,000	94,700	--	557	<420	1,470	11,100	--	--	--	--	--	--	--	--	--	--	--
	10/26/99	11.20	85.59	38,400	14,300	--	3300	1,480	79	4,550	--	--	--	--	--	--	--	--	--	--	--
	02/23/00	8.80	87.99	30,900	68,200	--	6070	2,530	127	2,350	--	--	--	--	--	--	--	--	--	--	--
	05/31/00	9.08	87.71	56,200	4,460	--	9630	5,970	294	5,740	--	--	--	--	--	--	--	--	--	--	--
	08/22/00	12.81	83.98	22,800	24,600	--	1460	984	103	1,740	--	--	--	--	--	--	--	--	--	--	--
	11/08/00	9.40	87.39	74,800	27,700	< 7,680 a	11800	10,100	495	10,600	--	--	--	--	--	--	--	--	--	--	--
96.92	02/14/01	9.58	87.34	19,500	16,100	< 2,500 a	1310	1,470	93	3,000	--	--	--	--	--	--	--	--	--	--	--
	04/19/01	8.86	88.06	40,200	10,900	< 5,500 a	6140	4,780	140	6,250	--	--	--	--	--	--	--	--	--	--	--
	08/07/01	11.38	85.54	61,900	41,000	25,700	11200	7,790	264	7,690	--	--	--	--	--	--	--	--	--	--	--
	11/01/01	12.10	84.82	74,200	NA	NA	623	169	173	1,200	--	--	--	--	--	--	--	--	--	--	--
	03/20/02	12.18	84.74	14,900	44,400	< 5,000 a	1840	1,270	85	1,210	--	--	--	--	--	--	--	--	--	--	--
	05/14/02	12.75	84.17	46,200	58,600	4,040	2270	1,840	171	2,080	--	--	--	--	--	--	--	--	--	--	--
	08/22/02	9.42	87.50	67,000	8,800	< 3,800 a	1100	12,000	590	5,800	--	--	--	--	--	--	--	--	--	--	--
	12/03/02	12.10	84.82	28,000	520	< 750 a	1900	1,800	60	2,150	--	--	--	--	--	--	--	--	--	--	--

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	03/06/03	12.75	84.17	2,600	< 250	< 500	750	180	41	310	--	--	--	--	--	--	--	--	--	--	--
	06/11/03	12.85	84.07	1,500	300	< 500	1500	110	23	141	--	--	--	--	--	--	--	--	--	--	--
	09/16/03	11.42	85.50	590	560	< 500	650	14	7.6	50	--	--	--	--	--	--	--	--	--	--	--
	12/17/03	8.37	88.55	2,800	4,900	< 500	5800	5,600	220	3,100	--	--	--	--	--	--	--	--	--	--	--
	03/23/04	7.17	89.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/07/04	8.78	88.14	120,000	16,000	< 2,500 a	19000	18,000	1,200	11,200	--	--	--	--	--	--	--	--	--	--	--
VP-7 Dup	07/07/04	--	--	130,000	8,300	< 2,500 a	19000	17,000	1,100	11,200	--	--	--	--	--	--	--	--	--	--	--
VP-7	09/15/04	9.58	87.34	66,000	16,000	< 2,500 a	11000	4,100	470	8,300	--	--	--	--	--	--	--	--	--	--	--
	12/13/04	8.74	88.18	26,000	6,000	< 10,000 a	2700	2,500	160	3,500	--	--	--	--	--	--	--	--	--	--	--
	03/15/05	8.45	88.47	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/13/05	10.31	86.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/27/05	9.81	87.11	32,000	4,000	< 1,000 a	6500	1,600	410	5,300	--	--	--	--	--	--	--	--	--	--	--
	12/19/05	12.29	84.63	Sheen present in well; no sample taken.																	
	03/20/06	6.61	90.31	Sheen present in well; no sample taken.																	
	05/02/06	7.45	89.47	Sheen present in well; no sample taken.																	
	12/08/06	6.81	90.11	39,500	7,600	935	2980	3,070	650	5,400	--	--	--	--	--	--	--	--	--	--	--
	03/08/07	8.56	88.36	29,500	1,170	<500	1790	1,270	325	2,800	--	--	--	--	--	--	--	--	--	--	--
	06/27/07	8.30	88.62	87,800	4,850	498	9300	8,430	1,210	10,200	--	--	--	--	--	--	--	--	--	--	--
	09/26/07	10.91	86.01	58,000	5,600	1,780	6640	464	1,160	10,300	--	--	<5.00	<1.00	<50.0	<1.00	<1.00	--	<250	--	--
	12/27/07	7.48	89.44	10,900	1,200 d	<472	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
	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	2,500	1,100 g	<100	60	90	32	380	<0.010	<0.50	<1.0	<2.0	<10	<2.0	<2.0	--	--	15.3	<0.50

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	05/05/10	7.18	89.74	2,500	1,200 g	<100	370	49	62	460	--	--	--	--	--	--	--	--	18.7	<0.50	
	08/17/10	8.52	88.40	18,000 g	6,100 g	<100	2900	1,600	490	4,400	--	--	--	--	--	--	--	--	--	--	
	12/16/10	6.50	90.42	1,900	600 g	<100	250	27	29	230	--	--	--	--	--	--	--	--	--	--	
	02/25/11	6.51	90.41	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	8.59	88.33	33,300	2,130	271	4,520	1,680	541	2,800	--	--	--	--	--	--	--	--	--	--	
	02/07/12	7.51	89.41	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	8.26	88.66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	08/01/12	--	--	8,820	2,550	<94.3	873	547	125	1,270	--	--	--	--	--	--	--	--	--	--	
	01/22/13	6.01	90.91	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	9.39	87.53	14,200	8,950	4,670	1,570	466	154	1,060	--	--	--	--	--	--	--	--	--	--	
	03/24/14	6.54	90.38	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	9.21	87.71	8,510	2,890	<93.9	1,810	1,020	138	941	--	--	--	--	--	--	--	--	--	--	
237.80	01/21/15	6.81	230.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	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	8.73	229.07	11,600	2,530	<93.5	1,820	568	339	2,180	--	--	--	--	--	--	--	--	--	--	
VP-8	04/10/97	12.77	79.95	284	1,800	--	< 0.5	< 0.5	< 0.5	1.4	--	--	--	--	--	--	--	--	--	--	
92.72	07/24/97	8.31	84.41	977	3,720	--	8.63	8.5	2.3	16	--	--	--	--	--	--	--	--	--	--	
	11/06/97	--	--	1,730	8,110	--	5.48	4.6	2.6	16	--	--	--	--	--	--	--	--	--	--	
96.52	01/27/98	7.16	89.36	1,260	2,920	--	5.28	0.68	1.8	8.4	--	--	--	--	--	--	--	--	--	--	
	04/29/98	11.93	84.59	2,060	2,210	--	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	--	--	--	--	--	--	--	
	07/28/98	12.41	84.11	2,250	NA	--	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	--	--	--	--	--	--	--	
	10/21/98	10.91	85.61	2,610	7,430	--	9.64	1.3	< 0.5	< 1.0	--	--	--	--	--	--	--	--	--	--	
	01/20/99	8.30	88.22	< 50	1,530	--	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	--	--	--	--	--	--	--	
	04/22/99	11.35	85.17	600	1,250	--	1.1	< 0.5	< 0.9	< 2.90	--	--	--	--	--	--	--	--	--	--	
	07/21/99	12.41	84.11	103	1,410	--	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	--	--	--	--	--	--	--	
	10/26/99	11.61	84.91	360	1,650	--	< 0.5	< 0.5	< 0.5	< 1.54	--	--	--	--	--	--	--	--	--	--	
	02/23/00	12.65	83.87	788	2,350	--	0.695	< 0.5	< 0.5	< 3.20	--	--	--	--	--	--	--	--	--	--	
	05/31/00	8.77	87.75	159	2,650	--	2.73	1.2	< 0.5	2.5	--	--	--	--	--	--	--	--	--	--	

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	08/22/00	11.79	84.73	393	4,640	--	< 0.64	< 0.5	< 0.5	< 2.16	--	--	--	--	--	--	--	--	--	--	--
	11/08/00	10.40	86.12	254	3,550	< 5,500 a	9.23	0.9	< 0.5	1.6	--	--	--	--	--	--	--	--	--	--	--
96.67	02/14/01	10.01	86.66	180	3,070	< 2,500 a	1	< 0.5	< 0.5	< 1.05	--	--	--	--	--	--	--	--	--	--	--
	04/19/01	9.35	87.32	60	18,600	< 5,500 a	0.681	< 0.5	< 0.5	< 1.00	--	--	--	--	--	--	--	--	--	--	--
	08/07/01	11.02	85.65	317	2,570	3,320	2.25	< 0.5	< 0.5	1.1	--	--	--	--	--	--	--	--	--	--	--
	11/01/01	12.95	83.72	619	NA	NA	< 1.25	< 1.25	< 1.25	3.9	--	--	--	--	--	--	--	--	--	--	--
	03/20/02	12.85	83.82	574	5,000	8,280	1.13	< 0.5	< 0.5	2.4	--	--	--	--	--	--	--	--	--	--	--
	05/14/02	12.89	83.78	981	4,390	7,740	3.37	3.7	1.5	10	--	--	--	--	--	--	--	--	--	--	--
	08/22/02	9.52	87.15	2,000	2,300	< 3,800 a	< 1	< 1	< 1	6.0	--	--	--	--	--	--	--	--	--	--	--
	12/03/02	12.50	84.17	< 250	< 250	< 750 a	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	03/06/03	17.20	79.47	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	06/11/03	12.80	83.87	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	09/16/03	12.78	83.89	< 250	260	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	12/17/03	9.17	87.50	< 250	1,400	< 500	1.9	< 1	< 1	3.1	--	--	--	--	--	--	--	--	--	--	--
	03/23/04	7.15	89.52	< 250	1,400	910	< 1	< 1	< 1	1.7	--	--	--	--	--	--	--	--	--	--	--
	07/07/04	9.06	87.61	250	2,500	< 500	6.9	< 1	< 1	2.9	--	--	--	--	--	--	--	--	--	--	--
	09/15/04	10.04	86.63	410	2,000	< 500	9.1	< 1	< 1	2.6	--	--	--	--	--	--	--	--	--	--	--
	12/13/04	9.74	86.93	< 250	1,200	710	4	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	03/15/05	8.72	87.95	< 250	< 750	< 1,500 a	2.6	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	06/13/05	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/27/05	10.24	86.43	590	880	< 500	11	2	2.1	4.2	--	--	--	--	--	--	--	--	--	--	--
	12/19/05	11.13	85.54	91.2	312	< 490	2.85	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
	03/20/06	6.17	90.50	< 50.0	855	720	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
	05/02/06	7.31	89.36	< 50.0	1,040	924	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
	12/08/06	6.40	90.27	<50.0	<248	<495	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
	03/08/07	8.88	87.79	<50.0	<245	<490	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
	06/27/07	8.34	88.33	98.9	<240	<481	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
	09/26/07	11.20	85.47	222	412	580	7.15	0.660	0.550	<3.00	--	--	<5.00	<1.00	<50.0	<1.00	<1.00	--	<250	--	--

Table 2

**Summary of Groundwater Monitoring Data
Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington**

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates					Lead		PAHs	
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	12/27/07	7.13	89.54	<50.0	<238	<476	355	171	79.8	909	--	--	--	--	--	--	--	--	--	--	--
	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	--	--	Possible obstruction in well																	
	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	114	4,180	4,970	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--	--	--
	03/24/14	6.40	90.27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	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	9.76	86.91	<100	1,040	146	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--	--	--
237.56	01/21/15	7.35	230.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	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	9.25	228.31	<100	1,200	211	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
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	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
	12/17/03	8.63	91.18	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--

Table 2

Summary of Groundwater Monitoring Data
 Shell-Branded Wholesale Facility
 210 Northeast 45th Street
 Seattle, Washington

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates				Lead		PAHs		
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	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	<50.0	<240	<481	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
	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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2

Summary of Groundwater Monitoring Data
 Shell-Branded Wholesale Facility
 210 Northeast 45th Street
 Seattle, Washington

Sample ID TOC (feet) ¹	Date	DTW	GWE	Hydrocarbons			Primary VOCs						Oxygenates				Lead		PAHs		
				TPH-G	TPH-D	TPH-O	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Total	Ethanol	Naphthalenes	CPAHs
MTCA Method A Cleanup Levels				800/1000 ²	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
240.67	01/21/15	7.71	232.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/29/15	9.41	231.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:

All concentrations are reported in µg/L

Bold = Concentrations exceed the MTCA Method A Cleanup Levels

Underline = Laboratory reporting limit exceeds MTCA Method A cleanup levels

-- = 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]"

¹ = Wells were resurveyed on January 27, 1998, February 14, 2001, and January 21, 2015

² = Cleanup levels for TPH-g are 800 µ/L if benzene is present and is 1,000 µ/L benzene is non-detect

B = benzene; DIPE = di-isopropyl ether; DTW = depth to water; E = ethylbenzene; EDB = 1,2-dibromoethane; EDC = 1,2-dichloroethane; ETBE = ethyl tertiary-butyl ether; ft = feet; GWE = groundwater elevation; µg/L = micrograms per liter; MTBE = methyl tertiary-butyl ether; MTCA = Model Toxics Control Act; ND = non-detect; NE = not established; T = toluene; TAME = tertiary-amyl methyl ether; TBA = tertiary-butanol; TOC = top of casing; TPH-D = total petroleum hydrocarbons as diesel; TPH-G = total petroleum hydrocarbons as gasoline; TPH-O = total petroleum hydrocarbons as oil; VOCs = volatile organic compounds; X = total xylenes (o-xylene+m,p-xylene)

Appendix A Groundwater Sampling Field Forms

WELL GAUGING DATA

Project # 150121-CP1 Date 1/21/15 Client CRA

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 TOB	Notes
MW-1	0940	2					6.31	9.72		
MW-2	0910	4					6.45	—		pump
MW-3	0904	4					7.99	14.55 11.95		
MW-4	0848	4					8.70	14.54		
MW-5	1005	4					8.97	19.70		
MW-6	1350	4	odor				11.65	19.37		
MW-7	0852	4					8.71	24.22		
MW-8	0920	4					7.84	—		pump
MW-9	1000	2					DVM	20.03		
VP-1	0931	4					7.01	14.31		
VP-2	0935	4					6.62	13.80		
VP-3	0950	4	odor				6.51	13.52		
VP-4	0945	4					6.72	13.65		
VP-5	0901	4	odor				7.50	—		pump
VP-6	0925	4					6.71	13.70		
VP-7	0910	4					6.81	—		pump
VP-8	0858	4					7.35	—	✓	pump

WELL GAUGING DATA

Project # 150121-CPI Date 11/21/15 Client CRA

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 POB	Notes
VP-9	1010	4					7.21	14.15 7.21	↓	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 150121-CP1	Client: CRA
Sampler: C. Peters	Gauging Date: 1/21/15
Well I.D.: MW-1	Well Diameter (in.): ② 3 4 6 8
Total Well Depth (ft.): 9.72	Depth to Water (ft.): 6.31
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <input checked="" type="checkbox"/> V6 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: 1024 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.)
1030	11.90	6.33	542	45	1.19	-76.5	600	6.31
1033	11.98	6.30	533	43	.96	-154.7	900	6.31
1036	11.95	6.30	533	30	1.04	-162.5	1200	6.31
1039	11.88	6.30	533	30	1.11	-176.0	1500	6.31
1042	11.90	6.29	532	30	.99	-174.4	1800	6.31

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

Sampling Time: 1043 Sampling Date: 1/21/15

Sample I.D.: GW-060493-012115-CP-MW-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 #: 150121-CP1	Client: CRA
Sampler: C. Peters	Gauging Date: 1/21/15
Well I.D.: MW-2	Well Diameter (in.): 2 3 <u>(4)</u> 6 8
Total Well Depth (ft.): -	Depth to Water (ft.): 6.45
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVD</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated (Tubing) New Tubing Other _____
 Start Purge Time: 1318 Flow Rate: 100 mL/min Pump Depth: 9'

Time	Temp. (<u>°C</u> or °F)	pH	Cond. (mS/cm or <u>µS/cm</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>ml</u>)	Depth to Water (ft.)
1324	12.22	6.27	137	44	0.32	-173.9	600	6.69
1327	12.25	6.24	126	41	0.32	-162.0	900	6.75
1330	12.26	6.19	117	36	0.29	-171.2	1200	6.81
1333	12.28	6.15	112	44	0.27	-180.5	1500	6.88
1336	12.29	6.08	107	38	0.26	-182.7	1800	6.94

Did well dewater? Yes <u>(No)</u>	Amount actually evacuated: <u>1.8L</u>
Sampling Time: <u>1337</u>	Sampling Date: <u>1/21/15</u>
Sample I.D.: <u>GW-060493-012115-CP-MW-2</u>	Laboratory: <u>TA</u>
Analyzed for: <u>TPH-G</u> <u>BTEX</u> <u>MTBE</u> <u>TPH-D</u>	Other: <u>SR0 COC</u>
Equipment Blank I.D.: @ _____ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>150121-CP1</u>	Client: <u>CRA</u>
Sampler: <u>C. Peters</u>	Gauging Date: <u>1/21/15</u>
Well I.D.: <u>MW-3</u>	Well Diameter (in.): 2 3 <u>4</u> 6 8 _____
Total Well Depth (ft.): <u>14.55</u>	Depth to Water (ft.): <u>7.99</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1054 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.)
1100	11.91	6.19	327	30	2.83	-109.3	600	8.31
1103	11.95	6.12	327	25	2.74	-108.0	900	8.36
1106	12.18	6.08	327	34	2.72	-110.7	1200	8.40
1109	12.25	6.05	329	39	2.61	-112.6	1500	8.43
1112	12.32	6.03	330	27	2.78	-113.3	1800	8.48

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: <u>1.8L</u>
Sampling Time: <u>1113</u>	Sampling Date: <u>1/21/15</u>
Sample I.D.: <u>GW-060493-012115-CP-MW-3</u>	Laboratory: <u>TA</u>
Analyzed for: <input checked="" type="checkbox"/> TPH-D <input checked="" type="checkbox"/> BTEX <input type="checkbox"/> MTBE <input checked="" type="checkbox"/> TPH-D	Other: <u>See COC</u>
Equipment Blank I.D.: _____ @ _____ Time	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 150121-001	Client: CRA
Sampler: C. Peters	Gauging Date: 1/21/15
Well I.D.: MW-6	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): 19.37	Depth to Water (ft.): 11.65
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVD</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1352 Flow Rate: 100 mL/min Pump Depth: 14'

Time	Temp. (<u>°C</u> or °F)	pH	Cond. (mS/cm or <u>µS/cm</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>ml</u>)	Depth to Water (ft.)
1358	12.66	6.23	223	29	0.31	-183.1	600	12.11
1401	12.07	6.27	227	25	0.24	-203.9	900	12.17
1404	12.64	6.30	230	31	0.19	-196.2	1200	12.25
1407	12.68	6.30	231	27	0.17	-203.2	1500	12.31
1410	12.67	6.32	233	25	0.18	-202.1	1800	12.39

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Amount actually evacuated: <u>1.8L</u>
Sampling Time: <u>1411</u>	Sampling Date: <u>1/21/15</u>
Sample I.D.: <u>GW-060493-012115-00-MW-6</u>	Laboratory: <u>TA</u>
Analyzed for: <input checked="" type="checkbox"/> TPH-G <input checked="" type="checkbox"/> BTEX <input type="checkbox"/> MTBE <input checked="" type="checkbox"/> TPH-D	Other: <u>SR COC</u>
Equipment Blank I.D.: _____ @ _____ Time	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>150121-CP1</u>	Client: <u>CRA</u>
Sampler: <u>C. Peters</u>	Gauging Date: <u>1/21/15</u>
Well I.D.: <u>MW-8</u>	Well Diameter (in.): 2 3 <u>4</u> 6 8 <u> </u>
Total Well Depth (ft.): <u> </u>	Depth to Water (ft.): <u>7.84</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0922 Flow Rate: 100 ml/min Pump Depth: 10'

Time	Temp. (<input checked="" type="checkbox"/> °C or °F)	pH	Cond. (mS/cm or <input checked="" type="checkbox"/> µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <input checked="" type="checkbox"/> mL)	Depth to Water (ft.)
0928	12.52	6.40	238	30	1.49	-177.0	600	7.92
0931	12.47	6.47	239	27	1.29	-187.8	900	8.01
0934	12.49	6.50	240	23	1.26	-194.6	1200	8.07
0937	12.49	6.52	241	24	1.22	-199.4	1500	8.12
0940	12.55	6.54	241	18	1.30	-205.6	1800	8.19

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

Sampling Time: 0941 Sampling Date: 1/22/15

Sample I.D.: GW-060493-012215-CP-MW-8 Laboratory: TA

Analyzed for: TPH BTEX MTBE TRH Other: See COC

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 150121-CPI	Client: CRA
Sampler: C. Peters	Gauging Date: 1/21/15
Well I.D.: MW-9	Well Diameter (in.): 2 3 4 6 8
Total Well Depth (ft.): 20.03	Depth to Water (ft.): Dry
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: VE Grade	Flow Cell Type: YSF 556

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.)
- well is Dry -								
- 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 #: <u>150121-CP1</u>	Client: <u>CRA</u>
Sampler: <u>C. Peters</u>	Gauging Date: <u>1/21/15</u>
Well I.D.: <u>VP-1</u>	Well Diameter (in.): 2 3 <u>(4)</u> 6 8 <u> </u>
Total Well Depth (ft.): <u>14.31</u>	Depth to Water (ft.): <u>7.01</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1128 Flow Rate: 100 mL/min Pump Depth: 9.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or <u>μS/cm</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>ml</u>)	Depth to Water (ft.)
1134	11.35	6.03	79	34	5.60	-82.0	600	7.21
1137	11.41	5.89	70	35	5.73	-81.6	900	7.25
1140	11.60	5.76	64	34	5.69	-78.5	1200	7.30
1143	11.72	5.69	62	34	5.69	-75.2	1500	7.33
1146	11.69	5.65	62	38	5.61	-75.4	1800	7.37

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: <u>1.8L</u>
Sampling Time: <u>1147</u>	Sampling Date: <u>1/21/15</u>
Sample I.D.: <u>GW-060493-012115-CP-VP-1</u>	Laboratory: <u>TA</u>
Analyzed for: <u>TPH-C</u> <u>BTEX</u> <u>MTBE</u> <u>TPH-D</u>	Other: <u>See COC</u>
Equipment Blank I.D.: <u> </u> @ <u> </u> Time	Duplicate I.D.: <u> </u>

LOW FLOW WELL MONITORING DATA SHEET

Project #: 150121-CP1	Client: CRA
Sampler: C. Peters	Gauging Date: 1/21/15
Well I.D.: VP-2	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): 13.80	Depth to Water (ft.): 6.62
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>VPD</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1221 Flow Rate: 100 mL/min Pump Depth: 9'

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.)
1227	12.23	6.35	482	35	2.02	-146.8	600	6.70
1230	12.37	6.41	491	30	1.90	-156.2	900	6.74
1232	12.40	6.45	495	29	1.85	-163.1	1200	6.79
1236	12.46	6.50	498	26	1.70	-173.7	1500	6.85
1239	12.49	6.52	499	33	1.59	-176.4	1800	6.90

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Amount actually evacuated: 1.8L
Sampling Time: 1240	Sampling Date: 1/21/15
Sample I.D.: GW-060493-012115-CP-VP-2	Laboratory: TA
Analyzed for: TPH-G <input checked="" type="checkbox"/> BTEX <input checked="" type="checkbox"/> MTBE <input checked="" type="checkbox"/> TPH-D <input checked="" type="checkbox"/>	Other: <u>SrO COC</u>
Equipment Blank I.D.: @ _____ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>150121-CP1</u>	Client: <u>CRA</u>
Sampler: <u>C. Peters</u>	Gauging Date: <u>1/21/15</u>
Well I.D.: <u>VP-3</u>	Well Diameter (in.): 2 3 <u>(4)</u> 6 8
Total Well Depth (ft.): <u>13.52</u>	Depth to Water (ft.): <u>6.51</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>VP</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1248 Flow Rate: 100 mL/min Pump Depth: 9'

Time	Temp. (<u>°C</u> or °F)	pH	Cond. (mS/cm or <u>µS/cm</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>lit</u>)	Depth to Water (ft.)
<u>1254</u>	<u>12.35</u>	<u>6.20</u>	<u>878</u>	<u>33</u>	<u>2.50</u>	<u>-160.9</u>	<u>600</u>	<u>6.59</u>
<u>1257</u>	<u>12.46</u>	<u>6.20</u>	<u>878</u>	<u>30</u>	<u>2.48</u>	<u>-160.5</u>	<u>900</u>	<u>6.65</u>
<u>1300</u>	<u>12.56</u>	<u>6.21</u>	<u>888</u>	<u>26</u>	<u>2.25</u>	<u>-155.7</u>	<u>1200</u>	<u>6.71</u>
<u>1303</u>	<u>12.63</u>	<u>6.22</u>	<u>896</u>	<u>29</u>	<u>2.06</u>	<u>-156.4</u>	<u>1500</u>	<u>6.75</u>
<u>1306</u>	<u>12.70</u>	<u>6.23</u>	<u>901</u>	<u>31</u>	<u>1.96</u>	<u>-154.9</u>	<u>1800</u>	<u>6.81</u>

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: <u>1.8L</u>
Sampling Time: <u>1307</u>	Sampling Date: <u>1/21/15</u>
Sample I.D.: <u>GW-060493-012115-CP-VP-3</u>	Laboratory: <u>TA</u>
Analyzed for: <u>TPH</u> <u>BTEX</u> <u>MTBE</u> <u>TPH/D</u>	Other: <u>See COC</u>
Equipment Blank I.D.: _____ @ _____ Time	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 150121-CPI	Client: CRA
Sampler: C. Peters	Gauging Date: 1/21/15
Well I.D.: VP-4	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): 13.65	Depth to Water (ft.): 6.72
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVO</u> Grade	Flow Cell Type: <u>V53 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0956 Flow Rate: 100 ml/min Pump Depth: 9'

Time	Temp. (<u>C</u> or °F)	pH	Cond. (mS/cm or <u>µS/cm</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>mL</u>)	Depth to Water (ft.)
1002	12.26	6.37	702	20	2.71	-223.9	600	7.01
1005	12.39	6.38	720	26	2.32	-228.0	900	7.15
1008	12.38	6.40	727	30	2.33	-232.1	1200	7.22
1011	12.33	6.41	732	27	2.36	-234.0	1500	7.30
1014	12.28	6.41	737	22	2.40	-239.4	1800	7.40

Did well dewater? Yes <input checked="" type="radio"/> No <input type="radio"/>	Amount actually evacuated: 1.8L
Sampling Time: 1015	Sampling Date: 1/22/15
Sample I.D.: GW-060493-012215-CPI-VP-4	Laboratory: TA
Analyzed for: <u>TPH</u> <u>BTEX</u> <u>MTBE</u> <u>TRH</u>	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 150121-CPI	Client: CRA
Sampler: C. Peters	Gauging Date: 1/21/15
Well I.D.: VP-5	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): -	Depth to Water (ft.): 7.50
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVO</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1028 Flow Rate: 100 ml/min Pump Depth: 10'

Time	Temp. (<u>°C</u> or °F)	pH	Cond. (mS/cm or <u>µS/cm</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>mL</u>)	Depth to Water (ft.)
1034	12.26	6.63	290	17	2.87	-209.6	600	7.61
1037	12.29	6.58	279	19	3.10	-211.4	900	7.64
1040	12.28	6.56	276	17	3.22	-212.2	1200	7.70
1043	12.31	6.54	273	21	3.15	-211.3	1500	7.73
1046	12.33	6.54	270	27	3.13	-211.1	1800	7.77

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

Sampling Time: 1047 Sampling Date: 1/22/15

Sample I.D.: GW-060493-012215-CPI-VP-5 Laboratory: TA

Analyzed for: TPH BTEX MTBE THP Other: See COC

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 150121-CP1	Client: CRA
Sampler: C. Peters	Gauging Date: 11/21/15
Well I.D.: VP-6	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): 13.70	Depth to Water (ft.): 6.71
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVO</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump ; Peristaltic Pump ; Bladder Pump
 Sampling Method: Dedicated Tubing ; New Tubing ; Other _____
 Start Purge Time: 0812 Flow Rate: 100 ml/min Pump Depth: 9'

Time	Temp. (<u>Q</u> or °F)	pH	Cond. (mS/cm or <u>µS/cm</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>mL</u>)	Depth to Water (ft.)
0818	11.83	6.59	160	36	5.15	-149.6	600	6.76
0821	11.83	6.42	160	30	4.84	-147.3	900	6.80
0824	11.83	6.34	161	25	4.96	-145.6	1200	6.83
0827	11.90	6.28	158	38	4.73	-146.1	1500	6.85
0830	11.92	6.25	157	27	4.52	-146.5	1800	6.88

Did well dewater? Yes <u>No</u>	Amount actually evacuated: <u>1.8L</u>
Sampling Time: <u>0831</u>	Sampling Date: <u>11/22/15</u>
Sample I.D.: <u>GW-060493-012215-CP-VP-6</u>	Laboratory: <u>TA</u>
Analyzed for: <u>TPH</u> <u>BTEX</u> <u>MTBE</u> <u>TRH</u>	Other: <u>See COC</u>
Equipment Blank I.D.: @ _____	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 150121-CPI	Client: CRA
Sampler: C. Peters	Gauging Date: 1/21/15
Well I.D.: VP-7	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): -	Depth to Water (ft.): 6.81
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVO</u> Grade	Flow Cell Type: <u>V52556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0845 Flow Rate: 100 ml/min Pump Depth: 9'

Time	Temp. (<u>C</u> or °F)	pH	Cond. (mS/cm or <u>µS/cm</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>mL</u>)	Depth to Water (ft.)
0851	11.38	6.10	194	31	0.84	-193.5	600	6.90
0854	11.41	6.08	196	19	0.91	-175.2	900	6.96
0857	11.41	6.07	201	22	0.71	-172.1	1200	7.02
0900	11.44	6.06	205	27	0.69	-172.2	1500	7.07
0903	11.50	6.05	209	32	0.69	-173.0	1800	7.12

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 1.8L
Sampling Time: 0904	Sampling Date: 1/22/15
Sample I.D.: 6W-060493-012215-CPI-VP-7	Laboratory: TA
Analyzed for: <input checked="" type="checkbox"/> TPH <input checked="" type="checkbox"/> BTEX <input type="checkbox"/> MTBE <input checked="" type="checkbox"/> TRH <input type="checkbox"/>	Other: See COC
Equipment Blank I.D.: @ _____	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>150121-CPI</u>	Client: <u>CRA</u>
Sampler: <u>C. Peters</u>	Gauging Date: <u>11/21/15</u>
Well I.D.: <u>VP-8</u>	Well Diameter (in.): 2 3 <u>4</u> 6 8 <u> </u>
Total Well Depth (ft.): <u> </u>	Depth to Water (ft.): <u>7.35</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YS7 556</u>

Purge Method: 2" Grundfos Pump ; Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1100 Flow Rate: 100 ml/min Pump Depth: 10'

Time	Temp. (<input checked="" type="radio"/> or °F)	pH	Cond. (mS/cm or <input checked="" type="radio"/> µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <input checked="" type="radio"/> mL)	Depth to Water (ft.)
1106	11.85	6.37	1172	28	2.14	-200.2	600	7.40
1109	11.78	6.39	1198	35	2.26	-194.7	900	7.46
1112	11.74	6.42	1211	36	2.40	-191.6	1200	7.49
1115	11.72	6.43	1212	38	2.47	-188.9	1500	7.51
1118	11.73	6.43	1213	37	2.52	-187.6	1800	7.55

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: <u>1.8L</u>
Sampling Time: <u>1120</u>	Sampling Date: <u>11/22/15</u>
Sample I.D.: <u>GW-060493-012215-CPI-VP-8</u> Laboratory: <u>TA</u>	
Analyzed for: <input checked="" type="checkbox"/> TPH <input checked="" type="checkbox"/> BTEX <input type="checkbox"/> MTBE <input checked="" type="checkbox"/> TRH <input type="checkbox"/> Other: <u>See COC</u>	
Equipment Blank I.D.: @ _____ Time Duplicate I.D.: _____	

Shell Oil Products Chain Of Custody Record



LAB (LOCATION)

- CALSERCIE
- SFL Houston
- XEMCO
- TEST AMERICA
- OTHER

- ENV SERVICES
- MOTIVA SDCM
- SHELL PHELIX

- MOTIVA RETAIL
- SHELL RETAIL
- LUBES
- CONSULTANT
- OTHER

Print Bill To: Contact Name: **Michael Q Lam - 060493.2011.05**

INCIDENT # (ENV SERVICES): 9 1 8 8 0 6 2 2
 DATE: 1/21/15
 PAGE: 1 of 2

Check if no incident applies

LAB/PCO COMPANY: **Blaine Tech Services**
 ADDRESS: **20735 Bishaw Avenue, Carson, CA 90746**
 PHONE: **(310) 885-4455 x 103**
 FAX: **(310) 637-5802**
 E-MAIL: **bob@blaintech.com**

SHIP TO: **210 NE 45th Street, Seattle**
 PHONE NO: **425-463-8500**
 CONTACT: **CRA, Seattle, WA**
 E-MAIL: **Shell-US-LabDataManagement@CRAworld.com**

SHIP FROM: **210 NE 45th Street, Seattle**
 PHONE NO: **425-463-8500**
 CONTACT: **CRA, Seattle, WA**
 E-MAIL: **Shell-US-LabDataManagement@CRAworld.com**

CONTRACT PROJECT NO.: **150121CA**

TURNAROUND TIME (CALENDAR DAYS): 3 DAYS 7 DAYS 14 HOURS
 STAT APPROVED (14 DAY) 3 DAYS 7 DAYS 14 HOURS
 L.A. - SWQCB REPORT FORM: USE AGENCY: SHELL CONTRACT RATE APPLIES

STATE REIMBURSEMENT RATE APPLIES
 EDD NOT NEEDED
 RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

TEMPERATURE ON RECEIPT C

SPECIAL INSTRUCTIONS OR NOTES:
 1) Please upload the "CRA EDD 4-File EDD" to the CRA Website (http://cra.eddupload.craworld.com/eddupload.aspx) and/or send it to the Shell-US-LabDataManagement@CRAworld.com email folder. 2) Please indicate that you have uploaded the EDD by including "EDD Uploaded to CRA website" in the body of the email used to deliver the final PDF report to the Shell-US-LabDataManagement@CRAworld.com email folder.

Copy final report to Shell Lab Billing@craworld.com, Shell.results@craworld.com, and Shell-US-LabDataManagement@CRAworld.com
 Email invoice to Shell.Lab.Billing@craworld.com
 See Laboratory PM for WA Dept. of Ecology MTCA Method A Cleanup levels for minimum detection limits.

Container PID Readings or Laboratory Notes

LAB USE ONLY	PROJECT NUMBER	DATE (MM/DD/YY)	SAMPLER INITIALS	WELL ID	TIME	MATRIX	PRESERVATIVE				NO. OF CONT.
							HEX	HN03	HN04	OTHER	
GW	060493	012115	CP	MW-1	1005	W6	X				8
GW	060491	012115	CP	MW-2	1337	W6	X				8
GW	060493	012115	CP	MW-3	1117	W6	X				8
GW	060493	012115	CP	MW-6	1411	W6	X				8
GW	060492	012115	CP	MW-8	0941	W6	X				8
GW	060493	012115	CP	VP-1	1147	W6	X				8
GW	060493	012115	CP	VP-2	1240	W6	X				8
GW	060493	012115	CP	VP-3	1307	W6	X				8
GW	060493	012215	CP	VP-4	1015	W6	X				8
GW	060493	012215	CP	VP-5	1049	W6	X				8

Received by: (Signature) *Chai Prat*
 Received by: (Signature)
 Received by: (Signature)

Shipped via FedEx
 Date: 1/22/15

Shell Oil Products Chain of Custody Record



LAB (LOCATION)

- CAL SCIENCE ()
- SPL Houston ()
- XENCO ()
- TEST AMERICA ()
- OTHER ()

- ENV SERVICES
- MOTIVA S200X
- SHELL PIPELINE

- SHELL RETAIL
- MOTIVA RETAIL
- CONSULTANT
- OTHER

- SHELL RETAIL
- LUBES

Print Bill To: Contact Name: **Michael Q Lam - 960493.2011.05**
 PO: # _____

INCIDENT # (ENV SERVICES): 9 1 8 8 0 6 2 2
 DATE: 1/22/15
 PAGE: 2 of 2

CHECK IF NO INCIDENT # APPLIES
 SHELL CONTRACT # (ENV SERVICES): _____

SITE ADDRESS: Street and City
210 NE 45th Street, Seattle
 ZIP: 98105
 PHONE NO: 425-563-8500
 FAX: _____
 STATE: WA
 COUNTY: NA
 SHELL PROJECT NO: 15021-041
 SHELL US Lab Data Management @ CRAworld.com
 LAB USE ONLY

EMPLOYER COMPANY: Blaine Tech Services
 ADDRESS: 20735 Braitshaw Avenue, Carson, CA 90746
 PROJECT CONTACT (Name and Title): Bart Gebbie
 TELEPHONE: (310) 886-4455 x 103
 FAX: (310) 837-5802
 EMAIL: bgeb@blainetech.com

TURNAROUND TIME (CALENDAR DAYS):
 STANDARD (14 DAY) 5 DAYS 3 DAYS 2 DAYS 24 HOURS
 LA - INVOICED REPORT FORMAT USE AGENCY: _____
 SHELL CONTRACT RATE APPLIES
 STATE REIMBURSEMENT RATE APPLIES
 EDD NOT NEEDED
 RECEIPT VERIFICATION REQUESTED

SPECIAL INSTRUCTIONS OR NOTES:
 1) Please upload the "CRA EDD's 4-file EDD" to the CRA Website (http://craledownload.craworld.com/acquisition/default.aspx) and/or send it to the Shell-US-LabDataManagement@CRAworld.com email folder. 2) Please indicate that you have uploaded the EDD by including "EDD Uploaded to CRA website" in the body of the email used to deliver the final PDF report to the Shell-US-LabDataManagement@CRAworld.com email folder.
 Copy final report to Shell.Lab.Billing@craworld.com, Shell.results@craworld.com, and Shell-US-LabDataManagement@CRAworld.com
 Email Invoice to Shell.Lab.Billing@craworld.com
 See Laboratory PM for WA Dept. of Ecology RTCA Method A cleanup levels for minimum detection limits.

PROJECT NUMBER	DATE (MMDDYY)	WELL ID	SAMPLER INITIALS	TIME	MATRIX	PRESERVATIVE				NO. OF CONT.
						HC	HRD3	HRD4	OTHER	
GW-060493	012215	VP-6	CP	0831	WG	X				8
GW-060493	012215	VP-7	CP	0904	WB	X				8
GW-060493	012215	VP-8	CP	1120	WB	X				8

ANALYTE	UNIT	RESULT	TEMPERATURE OR RECEIPT C
NWTPH-GX		X	
NWTPH-DX w/Silica Gel Cleanup		X	
6 Oxygenates, MYBE, TBA, DIPE, TAME, ETBE		X	
EDC (8260B)		X	
EDC (8011)		X	
Total Lead (6020)		X	
PCBs (6082)		X	
PAHs (8070 SIM)		X	
VOCS Full list (8260B)		X	
Pest (8080)		X	
NWTPH-VPH		X	
NWTPH-EPH		X	
TPH-Q		X	

Requested by: (Signature) *Craig PDS*
 Date: 1/22/15
 Requested by: (Signature)
 Date:
 Requested by: (Signature)
 Date:

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM

INCIDENT # 91880622

ADDRESS 210 NE 45th St.

DATE: 1/21/15

CITY & STATE Seattle WA

Well ID	Manway Cover, Type, Condition & Size			Observations Upon Arrival			Well Pad / Surface Condition	Note: Repairs Made and Performed	Photos of Well Condition	Repair Date and PM Initials
	Standpipe	Flush	Size (inch)	Well Labeled / Painted Property*	Well Cap (Gripper) Condition	Well Lock Condition				
MW-1	Flush	G	18	N	G	R	G	1/2 Tabr Broken	Y	
MW-2	Flush	G	25	N	G	R	G		Y	
MW-3	Flush	G	12	N	G	R	G	1/2 Tabr Broken	Y	
MW-4	Flush	G	12	N	G	R	G		Y	
MW-5	Flush	G	8	N	G	R	G	1/2 Tabr Broken	Y	
MW-6	Flush	G	8	N	G	R	G		Y	
MW-7	Flush	G	12	N	G	R	G		Y	
MW-8	Flush	G	25	N	G	R	G		Y	
MW-9	Flush	G	8	N	G	R	G		Y	
VP-1	Flush	G	25	N	G	R	G		Y	
VP-2	Flush	G	25	N	G	R	G		Y	
TOTAL # CAPS REPLACED =				0	TOTAL # OF LOCKS REPLACED =		0			

Condition of Well Boring, Patches of Abandoned Monitoring Wells	If POOR, Boring/Well IDs or Location Description			Condition of Area Inside Enclosure	Compound Security	Emergency Contact Info Visible	Photos of Well Condition	Repair Date and PM Initials
	G	P	N/A					
Remediation Compounds Type (Check boxes that apply)								
NA								
Building								
Building w/ Fence Comp.								
Fenced Compound								
Trailer								
Number of Drums On-site	Does the Label Reveal the Source of the Contents	Labelled Correctly and 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	G P N/A	Y N N	Y N N/A		Y N	

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

Craig Peterson BTT

Print or Type Name of Field Personnel & Consultant Company

G = Good (Acceptable) R = Replaced
 P = Poor (needs attention) NL = No Lock Required
 Note: All repairs other than locks and supports require Shop PM approval prior to install.
 * - Groundwater monitoring well covers must be painted and labeled in accordance with applicable regulations.
 Version 2.4, March 2009

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM

INCIDENT # 91880022

ADDRESS 210 NE 45th St.

DATE: 1/26/15

CITY & STATE Seattle WA

Well ID	Manway Cover, Type, Condition & Size		Observations Upon Arrival			Well Pad / Surface Condition	Well Lock Condition	Note Repairs Made Detailed Explanation of Maintenance Recommended and Performed	Photos of Well Condition	Repair Date and PM Initials	
	Standpipe	Flush	Well Labeled / Painted Property	Well Cap (Gripper) Condition	Well Pad / Surface Condition						
VP-3	Standpipe	Flush	Y	G	R	NL	R		Y	1/26/15	
VP-4	Standpipe	Flush	Y	G	R	NL	R		Y	1/26/15	
VP-5	Standpipe	Flush	Y	G	R	NL	R		Y	1/26/15	
VP-6	Standpipe	Flush	Y	G	R	NL	R		Y	1/26/15	
VP-7	Standpipe	Flush	Y	G	R	NL	R		Y	1/26/15	
VP-8	Standpipe	Flush	Y	G	R	NL	R		Y	1/26/15	
VP-9	Standpipe	Flush	Y	G	R	NL	R		Y	1/26/15	
	Standpipe	Flush	Y	G	R	NL	R		Y	1/26/15	
	Standpipe	Flush	Y	G	R	NL	R		Y	1/26/15	
	Standpipe	Flush	Y	G	R	NL	R		Y	1/26/15	
	Standpipe	Flush	Y	G	R	NL	R		Y	1/26/15	
	Standpipe	Flush	Y	G	R	NL	R		Y	1/26/15	
			TOTAL # CAPS REPLACED = <u>0</u>						TOTAL # OF LOCKS REPLACED = <u>0</u>		
Condition of Self-Boring Patches or Abandoned Monitoring Wells			If POGAR, Borings/Well IDs or Location Description								
Remediation Compound Type (Check boxes that apply)			Condition of Enclosure			Condition of Area Inside Enclosure			Emergency Contact Info Visible		
NA <input checked="" type="checkbox"/>			G			G			Y		
Building <input type="checkbox"/>			P			P			N		
Building w/ Fence Comp. <input type="checkbox"/>			N/A			N/A			N/A		
Fenced Compound <input type="checkbox"/>											
Trailer <input type="checkbox"/>											
Number of Drums On-site			Labeled Correctly and Writing Legible			Drum Condition			Drums Located to Min Business Interference		
0			Y N N/A			G P N/A			Y N N/A		
Detailed Explanation of Any Issues Resolved			Compound Security			Confirm Drums Relabeled to Environmental			Detailed Explanation of Any Issues Resolved		
			P			Y					
			G			G					
			P			P					
			N/A			N/A					

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

Craig Peters *BTJ*

Print or type Name of Field Personnel & Consultant Company

Version 2.4, March 2008
 * = Groundwater monitoring well covers must be painted and labeled in accordance with applicable regulations.

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:

INCIDENT # 91880622 Perry Pineda
 Shell Engineer
210 NE 45th St Seattle WA
 street number street name city state

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-1	0.5	VP-4	0.5
MW-2	0.5	VP-5	0.5
MW-3	0.5	VP-6	0.5
MW-6	0.5	VP-7	0.5
MW-8	0.5	VP-8	0.5
VP-1	0.5		
VP-2	0.5		
VP-3	0.5		
added equip.		any other	
rinse water	1.6	adjustments	
TOTAL GALS.		loaded onto	
RECOVERED	7.5	BTS vehicle #	90
BTS event #		time	date
150121-CP1		1200	1/22/15
signature	<i>Gary Pott</i>		

RECEIVED AT	time	date	
BTS Kent	1330	1/22/15	
unloaded by	<i>Gary Pott</i>		
signature			

Site Address: <i>210 NE 45th St. Seattle WA</i>		Date: <i>1/21/15</i>
Check-In with site representative completed?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Is fuel delivery scheduled for today?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Emergency pump cut-off switch located?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
First aid kit located and confirmed ready-to-use?		<input checked="" type="checkbox"/> Yes
Fire extinguisher located and confirmed ready-to-use?		<input checked="" type="checkbox"/> Yes
Eye wash located and confirmed ready-to-use?		<input checked="" type="checkbox"/> Yes
HASP	Emergency Services information located & reviewed?	<input checked="" type="checkbox"/> Yes
	Hospital map & route located and reviewed?	<input checked="" type="checkbox"/> Yes
	Special Hazard Notice section reviewed?	<input checked="" type="checkbox"/> Yes
	Site Status confirmed or amended, dated and initialed?	<input checked="" type="checkbox"/> Yes
	Emergency Response procedures reviewed with all work crew members?	<input checked="" type="checkbox"/> Yes
	Compliance Roster signed by all work crew members?	<input checked="" type="checkbox"/> Yes
Site walk has been performed to locate wells and identify additional hazards?		<input checked="" type="checkbox"/> Yes
Job Safety Analysis (JSA) for each task located & reviewed by all work crew members?		<input checked="" type="checkbox"/> Yes
Work Area Plans reviewed for suitability and effectiveness given current site conditions?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Traffic Control Plans reviewed for suitability given current road, traffic & weather conditions?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Stop Work Authority reviewed and understood by all work crew members?		<input checked="" type="checkbox"/> Yes

- In the space below, note unaddressed hazards and conditions that might compromise compliance with Approved Procedures and/or JSA's or impede the safe and proper execution of the Work Plan, Work Area Plan(s) and/or Traffic Control Plan(s).
- Report unaddressed hazards and adverse conditions to the Project Manager during Pre-Start Call-In and as hazards are identified or conditions change throughout the workday.
- DO NOT COMMENCE OR RESTART WORK until PM has been notified and mitigation measures approved.

Time	Hazard or Adverse Condition	PM Initials	Hazard Control Measure

Site representative briefed on planned work activities and Work Area Plans?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Job Clearance Form completed?		<input checked="" type="checkbox"/> Yes
Pre-Start Call-In completed and approval to start work received from Project Manager?		<input checked="" type="checkbox"/> Yes
Printed Name <i>Craig Peters</i>	Signature <i>Craig Peters</i>	Time <i>0841</i>

Site Address: <i>210 NE 45th St. Seattle WA</i>		Date: <i>1/22/15</i>
Check-In with site representative completed?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Is fuel delivery scheduled for today?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Emergency pump cut-off switch located?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
First aid kit located and confirmed ready-to-use?		<input checked="" type="checkbox"/> Yes
Fire extinguisher located and confirmed ready-to-use?		<input checked="" type="checkbox"/> Yes
Eye wash located and confirmed ready-to-use?		<input checked="" type="checkbox"/> Yes
HASP	Emergency Services information located & reviewed?	<input checked="" type="checkbox"/> Yes
	Hospital map & route located and reviewed?	<input checked="" type="checkbox"/> Yes
	Special Hazard Notice section reviewed?	<input checked="" type="checkbox"/> Yes
	Site Status confirmed or amended, dated and initialed?	<input checked="" type="checkbox"/> Yes
	Emergency Response procedures reviewed with all work crew members?	<input checked="" type="checkbox"/> Yes
	Compliance Roster signed by all work crew members?	<input checked="" type="checkbox"/> Yes
Site walk has been performed to locate wells and identify additional hazards?		<input checked="" type="checkbox"/> Yes
Job Safety Analysis (JSA) for each task located & reviewed by all work crew members?		<input checked="" type="checkbox"/> Yes
Work Area Plans reviewed for suitability and effectiveness given current site conditions?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Traffic Control Plans reviewed for suitability given current road, traffic & weather conditions?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Stop Work Authority reviewed and understood by all work crew members?		<input checked="" type="checkbox"/> Yes

- In the space below, note unaddressed hazards and conditions that might compromise compliance with Approved Procedures and/or JSA's or impede the safe and proper execution of the Work Plan, Work Area Plan(s) and/or Traffic Control Plan(s).
- Report unaddressed hazards and adverse conditions to the Project Manager during Pre-Start Call-In and as hazards are identified or conditions change throughout the workday.
- DO NOT COMMENCE OR RESTART WORK until PM has been notified and mitigation measures approved.

Time	Hazard or Adverse Condition	PM Initials	Hazard Control Measure

Site representative briefed on planned work activities and Work Area Plans?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Job Clearance Form completed?		<input checked="" type="checkbox"/> Yes
Pre-Start Call-In completed and approval to start work received from Project Manager?		<input checked="" type="checkbox"/> Yes
Printed Name <i>Craig Peters</i>	Signature <i>Craig Pet</i>	Time <i>0801</i>

Job Clearance Form			
<p>Company: not listed please refer to list of work; if listed, check appropriate boxes and add type of job below of this form. 3. Job duties, assigned to the person performing the potentially hazardous and dangerous tasks.</p>			
Station Address: 210 NE 45th St Seattle WA	Work Order Number: 150721-CP1	Date: 1/21/15	Job Title: 1445
Contracting Company: CRTS	Contractor Name: Craig Peters	Shift Start: 0850	Shift End: 1445
Problem/Work Description: Gauge/Sample			
PPE REQUIRED (CHECK AND/OR FILL BLANK SPACES)			
<input checked="" type="checkbox"/> SAFETY VEST <input checked="" type="checkbox"/> PROTECTIVE CLOTHING	<input checked="" type="checkbox"/> SHOES & BOOTS <input checked="" type="checkbox"/> SAFETY GLASSES/GOOGLES	<input type="checkbox"/> HEARING PROTECTION <input type="checkbox"/> WELDING PPE	<input type="checkbox"/> RESPIRATOR <input type="checkbox"/> OTHER
TASK STEP: _____ Hazards not covered by JSA: _____			
Gauge Sample	n/a	n/a	n/a
Work Description/Job Requirements: _____			
Least Job - m JSA required: _____			
Hazards not covered by JSA: _____			
Examples of Job Duties/Steps: _____			
SIGN IN: _____ SIGN OUT: _____			
OPERATING AREA TO BE SIGNATURED BY THE REPRESENTATIVE: _____			
SIGNATURES: _____			
SIDEWALK SAFETY CHECKS: _____			
PARTS - Check & Replace if not in place: _____			

The contract thought to authorize representative work. It is not to be used for representative work for all job clearance forms and the obligations arising thereunder applicable to the work.

This form covers potential hazards and is not intended to relieve the contractor from liability for the work in accordance with all applicable laws and regulations.

The Site Representative may require the contractor to stop work if it appears that the contractor is not complying with the requirements in the applicable forms of this form or other applicable safety requirements.

Job Clearance Form

Complete this information prior to start of work. Review form, check appropriate boxes, and indicate the location of this form. A job clearance form is required for all work involving hazardous materials, confined spaces, and other situations.

Subjob: 91880622 Student Address: 210 NE 45th St Seattle WA 98105-1001
 Company Name: STS Vendor Name: Craig Peters
 Work Order Number: 150121-CPI Start Time: 0800 End Time: 1200
 Date: 1/22/15
 Return Call: yes no
 Damage Cost: yes no

Problem Work Description: barge/sample

REQUIRED (CHECK AND/OR FILL IN BLANK SPACES)

SAFETY VEST SHOES BOOTS HEARING PROTECTION RESPIRATOR
 PROTECTIVE CLOTHING SAFETY GLASSES/GOOGLES WELDING PPE OTHER

TASK STEP Gauge Sample

Hazards not covered by JSA: n/a

Hazards not covered by JSA: n/a

Hazards not covered by JSA: n/a

GENERAL SAFETY CHECKS

Operating area to be signed by the Site Representative
 Non-operating area to be signed by Contractor Representative only

Signature: Craig Peters
 Signature: Craig Peters

GENERAL SAFETY CHECKS

- Has the site been placed back in service?
- Has the site delivery service been informed?
- Has the site delivery date?
- Has a lockout procedure been agreed, lock out tag out?
- Are work areas confined off to permit workers, the work is done?
- 2007

GENERAL SAFETY CHECKS

- Has the work been back to work?
- Are the personal areas of work back to work?
- Are changes to equipment documented and communicated?
- All lockers, new lockers, or work instructions?

Signature: SEMI
 Signature: SEMI

DATE: 1/22/15

The contractor is authorized to undertake the work, leave and be held responsible for all job clearance items and the obligation ending from applicable to the work. This form covers equipment and is not intended to inform the contractor of any applicable laws and regulations. The Site Representative may require the contractor to stop work if it appears that the contractor or any of the workers are doing to comply with the requirements of the applicable terms of this form or other applicable safety requirements.

WELL GAUGING DATA

Project # 150218-CP2 Date 2/18/15 Client CRA

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 <u>POC</u>	Notes
MW-9	1245	2					Dry	20.05	↓	

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>150218-CP2</u>	Client: <u>CRA</u>
Sampler: <u>C. Peters</u>	Gauging Date: <u>2/18/15</u>
Well I.D.: <u>MW-9</u>	Well Diameter (in.): <u>2</u> 3 4 6 8 _____
Total Well Depth (ft.): <u>20.05</u>	Depth to Water (ft.): <u>Dry</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> 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.)
- Well is Dry -								
- 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.: _____

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM

INCIDENT # 91880622

ADDRESS 210 NE 45th St

DATE 2/18/15

CITY & STATE Seattle WA

Well ID	Manway Cover, Type, Condition & Size		Observations Upon Arrival				Well Pad / Surface Condition	Detailed Explanation of Maintenance Recommended and Performed	Photos of Well Condition	Repair Date and PM Initials					
	Size (inch)	Condition	Well Labeled / Painted Property	Well Cap (Gripper) Condition	Well Lock Condition	Well Pad / Surface Condition									
MUN-9	Standpipe	Flush	8	P	Y	G	R	G	R	NL	G	P	Y	N	
	Standpipe	Flush		P	Y	G	R	G	R	NL	G	P	Y	N	
	Standpipe	Flush		P	Y	G	R	G	R	NL	G	P	Y	N	
	Standpipe	Flush		P	Y	G	R	G	R	NL	G	P	Y	N	
	Standpipe	Flush		P	Y	G	R	G	R	NL	G	P	Y	N	
	Standpipe	Flush		P	Y	G	R	G	R	NL	G	P	Y	N	
	Standpipe	Flush		P	Y	G	R	G	R	NL	G	P	Y	N	
	Standpipe	Flush		P	Y	G	R	G	R	NL	G	P	Y	N	
	Standpipe	Flush		P	Y	G	R	G	R	NL	G	P	Y	N	
	Standpipe	Flush		P	Y	G	R	G	R	NL	G	P	Y	N	
	Standpipe	Flush		P	Y	G	R	G	R	NL	G	P	Y	N	
	Standpipe	Flush		P	Y	G	R	G	R	NL	G	P	Y	N	
TOTAL # CAPS REPLACED = 0										TOTAL # OF LOCKS REPLACED = 0					

Condition of Soil Boring Patches or Abandoned Monitoring Wells		Condition of Enclosure		Condition of Area Inside Enclosure		Compound Security		Emergency Contact Info		Photos of Condition		Repair Date and PM Initials	
Remediation Compound Type (Check boxes that apply)	Condition of Enclosure	Condition of Area Inside Enclosure	Compound Security	Emergency Contact Info Visible	Photos of Condition	Photos of Condition	Repair Date and PM Initials	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
<input checked="" type="checkbox"/> Building <input type="checkbox"/> Building w/ Fence Comp. <input type="checkbox"/> Fenced Compound <input type="checkbox"/> Trailer	G	G	P	N/A	Y	N	N/A	Y	N	N/A	Y	N	
TOTAL # OF LOCKS REPLACED = 0													

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

Craig Petersen RTS

Print or type Name of Field Personnel & Consultant Company

G = Good (Acceptable) R = Replaced
 P = Poor (needs attention) NL = No Lock Required

Note: All repairs other than locks and gaskets require Sheet P.M. approval prior to repair.

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

Version 2.4, March 2008

Site Address: 210 NE 45th St. Seattle WA		Date: 2/18/15
Check-In with site representative completed?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
Is fuel delivery scheduled for today?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Emergency pump cut-off switch located?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
First aid kit located and confirmed ready-to-use?		<input checked="" type="checkbox"/> Yes
Fire extinguisher located and confirmed ready-to-use?		<input checked="" type="checkbox"/> Yes
Eye wash located and confirmed ready-to-use?		<input checked="" type="checkbox"/> Yes
HASP	Emergency Services information located & reviewed?	<input checked="" type="checkbox"/> Yes
	Hospital map & route located and reviewed?	<input checked="" type="checkbox"/> Yes
	Special Hazard Notice section reviewed?	<input checked="" type="checkbox"/> Yes
	Site Status confirmed or amended, dated and initialed?	<input checked="" type="checkbox"/> Yes
	Emergency Response procedures reviewed with all work crew members?	<input checked="" type="checkbox"/> Yes
	Compliance Roster signed by all work crew members?	<input checked="" type="checkbox"/> Yes
Site walk has been performed to locate wells and identify additional hazards?		<input type="checkbox"/> Yes
Job Safety Analysis (JSA) for each task located & reviewed by all work crew members?		<input checked="" type="checkbox"/> Yes
Work Area Plans reviewed for suitability and effectiveness given current site conditions?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Traffic Control Plans reviewed for suitability given current road, traffic & weather conditions?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
Stop Work Authority reviewed and understood by all work crew members?		<input type="checkbox"/> Yes

- In the space below, note unaddressed hazards and conditions that might compromise compliance with Approved Procedures and/or JSA's or impede the safe and proper execution of the Work Plan, Work Area Plan(s) and/or Traffic Control Plan(s).
- Report unaddressed hazards and adverse conditions to the Project Manager during Pre-Start Call-In and as hazards are identified or conditions change throughout the workday.
- DO NOT COMMENCE OR RESTART WORK until PM has been notified and mitigation measures approved.

Time	Hazard or Adverse Condition	PM Initials	Hazard Control Measure

Site representative briefed on planned work activities and Work Area Plans?		<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
Job Clearance Form completed?		<input checked="" type="checkbox"/> Yes
Pre-Start Call-In completed and approval to start work received from Project Manager?		<input checked="" type="checkbox"/> Yes
Printed Name Craig Peters	Signature <i>Craig Peters</i>	Time 1243

Shell Oil Products US and Motiva Enterprises LLC Retail Safe System of Work Appendix A - Job Clearance Form

<p>Job Clearance Form</p> <p>CONTRACTOR INSTRUCTIONS: PRIOR TO START OF WORK, CHECK APPROPRIATE BOXES, AND SIGN OFF AT THE BOTTOM OF THIS FORM. SIGNATURES MUST BE PRINTED AND THE REPRESENTATIVE OF THE JOB TO BE PERFORMED AND COMPANY MUST BE IDENTIFIED.</p>			
<p>Subjob # 41880622</p> <p>Contractor name BTS</p>	<p>Station Address: 210 NE 45th St. Seattle WA</p> <p>Contractor work order # Craig Peters</p>	<p>Work Order Number: 150218-022</p> <p>Job order number: 1245</p>	<p>Date: 2/18/15</p> <p>Start Time: 12:55</p> <p>End Time: 1:55</p>
<p>Problem Work Description: Gauge / sample</p>		<p>Return Call: <input type="checkbox"/> yes / <input type="checkbox"/> no</p> <p>Damage Code: <input type="checkbox"/> yes / <input type="checkbox"/> no</p>	<p>RESPIRATOR: <input type="checkbox"/></p> <p>HEARING PROTECTION: <input type="checkbox"/></p> <p>WELDING PPE: <input type="checkbox"/></p> <p>OTHER: <input type="checkbox"/></p>
<p>HAZARD IDENTIFICATION AND RISK ASSESSMENT</p> <p>How to reduce or eliminate risk - include PPE to wear:</p>			
<p>Gauge Sample</p>	<p>n/a</p>	<p>n/a</p>	<p>n/a</p>
<p>HAZARD NOT COVERED BY JSA</p> <p>Work Instructions: <input type="checkbox"/> Work schedule, in all cases on or after - no closed loop for JSA present</p> <p>Equipment of High/Low Voltage: <input type="checkbox"/> Teaming or coordination required to understand task / product flow</p> <p>Heavy Lifting: <input type="checkbox"/></p>			
<p>SIGN IN</p> <p>Contractor representative name: Craig Peters</p> <p>Signature: <i>Craig Peters</i></p>		<p>SIGN OUT</p> <p>Contractor Name: Craig Peters</p> <p>Signature: <i>Craig Peters</i></p>	
<p>GENERAL SAFETY CHECKS</p> <p>Has the work area been adequately secured?</p> <p>Are the personnel aware of the nature of work being performed?</p> <p>Are all personnel equipped and instructed as required?</p> <p>Are all personnel wearing appropriate PPE?</p> <p>Are all personnel wearing appropriate PPE?</p>			
<p>GENERAL SAFETY CHECKS</p> <p>Has the work area been adequately secured?</p> <p>Are the personnel aware of the nature of work being performed?</p> <p>Are all personnel equipped and instructed as required?</p> <p>Are all personnel wearing appropriate PPE?</p> <p>Are all personnel wearing appropriate PPE?</p>			
<p>GENERAL SAFETY CHECKS</p> <p>Has the work area been adequately secured?</p> <p>Are the personnel aware of the nature of work being performed?</p> <p>Are all personnel equipped and instructed as required?</p> <p>Are all personnel wearing appropriate PPE?</p> <p>Are all personnel wearing appropriate PPE?</p>			

The contractor is responsible for ensuring that all work is performed in accordance with the applicable laws and regulations. This form covers the contractor's responsibility for ensuring that the work is performed in accordance with the applicable laws and regulations. The Site Representative may require the contractor to stop work until it is determined that the contractor is in compliance with the applicable laws and regulations.

WELL GAUGING DATA

Project # 150305-CP2 Date 3/5/15 Client CRA

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 <u>TOC</u>	Notes
MW-9	0819	2					Dry	20.03	↓	

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>150305-CP2</u>	Client: <u>CRA</u>
Sampler: <u>C. Peters</u>	Gauging Date: <u>3/5/15</u>
Well I.D.: <u>MW-9</u>	Well Diameter (in.): <u>2</u> 3 4 6 8 _____
Total Well Depth (ft.): <u>20.03</u>	Depth to Water (ft.): <u>Dry</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> 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.)
— Well is Dry —								
— 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.:

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM

INCIDENT # 91880622

ADDRESS 210 NE 45th St

DATE: 3/5/15

CITY & STATE Seattle WA

Well ID	Mainway Cover, Type, Condition & Size			Observations Upon Arrival				Well Pad / Surface Condition	Detailed Explanation of Maintenance Recommended and Performed	Photos of Well Condition	Repair Date and PM Initials	
	Manway Cover	Type	Condition & Size	Well Labeled / Painted Property	Well Cap (Gripper) Condition	Well Lock Condition	Well Pad / Surface Condition					
VAW-9	Standpipe	Flush	G P 8	Y	G	R	G	NL		Y N		
	Standpipe	Flush	G P	Y	G	R	G	NL		Y N		
	Standpipe	Flush	G P	Y	G	R	G	NL		Y N		
	Standpipe	Flush	G P	Y	G	R	G	NL		Y N		
	Standpipe	Flush	G P	Y	G	R	G	NL		Y N		
	Standpipe	Flush	G P	Y	G	R	G	NL		Y N		
	Standpipe	Flush	G P	Y	G	R	G	NL		Y N		
	Standpipe	Flush	G P	Y	G	R	G	NL		Y N		
	Standpipe	Flush	G P	Y	G	R	G	NL		Y N		
	Standpipe	Flush	G P	Y	G	R	G	NL		Y N		
	Standpipe	Flush	G P	Y	G	R	G	NL		Y N		
	Standpipe	Flush	G P	Y	G	R	G	NL		Y N		
	Standpipe	Flush	G P	Y	G	R	G	NL		Y N		
	Standpipe	Flush	G P	Y	G	R	G	NL		Y N		
				TOTAL # CAPS REPLACED = 0				TOTAL # OF LOCKS REPLACED = 0				
Condition of Seal Boxes Patches or Abandoned Monitoring Wells: G P N/A												
Remediation Compound Type (Check boxes that apply):												
NA Building Building w/ Fence Comp. Fenced Compound Trailer												
Does the Label Reveal the Source of the Contents: G P N/A												
Labeled Correctly and Writing Legible: G P N/A												
Drum Condition: G P N/A												
Confirm Drums Related to Environmental: G P N/A												
Drums Located to Min Business Interference: Y N N/A												
Emergency Contact Info Visible: Y N N/A												
Cleaning / Repairs Recommended and Conducted: Y N												
Photos of Condition: Y N												
Repair Date and PM Initials:												
Detailed Explanation of Any Issues Resolved:												
Date Drums Removed from Site and PM Initials:												

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

Craig Peters TS/TS

Print or type Name of Field Personnel & Consultant Company

Notes: All repairs other than locks and grippers require Sheet PI approval prior to repair.

Site Address: 210 NE 45th St. Seattle WA		Date: 3/15/15
Check-In with site representative completed?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
Is fuel delivery scheduled for today?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Emergency pump cut-off switch located?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
First aid kit located and confirmed ready-to-use?		<input checked="" type="checkbox"/> Yes
Fire extinguisher located and confirmed ready-to-use?		<input checked="" type="checkbox"/> Yes
Eye wash located and confirmed ready-to-use?		<input checked="" type="checkbox"/> Yes
HASP	Emergency Services information located & reviewed?	<input checked="" type="checkbox"/> Yes
	Hospital map & route located and reviewed?	<input checked="" type="checkbox"/> Yes
	Special Hazard Notice section reviewed?	<input checked="" type="checkbox"/> Yes
	Site Status confirmed or amended, dated and initialed?	<input checked="" type="checkbox"/> Yes
	Emergency Response procedures reviewed with all work crew members?	<input checked="" type="checkbox"/> Yes
	Compliance Roster signed by all work crew members?	<input checked="" type="checkbox"/> Yes
Site walk has been performed to locate wells and identify additional hazards?		<input checked="" type="checkbox"/> Yes
Job Safety Analysis (JSA) for each task located & reviewed by all work crew members?		<input checked="" type="checkbox"/> Yes
Work Area Plans reviewed for suitability and effectiveness given current site conditions?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Traffic Control Plans reviewed for suitability given current road, traffic & weather conditions?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
Stop Work Authority reviewed and understood by all work crew members?		<input checked="" type="checkbox"/> Yes

- In the space below, note unaddressed hazards and conditions that might compromise compliance with Approved Procedures and/or JSA's or impede the safe and proper execution of the Work Plan, Work Area Plan(s) and/or Traffic Control Plan(s).
- Report unaddressed hazards and adverse conditions to the Project Manager during Pre-Start Call-In and as hazards are identified or conditions change throughout the workday.
- DO NOT COMMENCE OR RESTART WORK until PM has been notified and mitigation measures approved.

Time	Hazard or Adverse Condition	PM Initials	Hazard Control Measure

Site representative briefed on planned work activities and Work Area Plans?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
Job Clearance Form completed?		<input checked="" type="checkbox"/> Yes
Pre-Start Call-In completed and approval to start work received from Project Manager?		<input checked="" type="checkbox"/> Yes
Printed Name Craig Peter	Signature <i>Craig Peter</i>	Time 0814

Station # 91800622 Station Address 210 NE 45th St Seattle WA Customer Name 375 Craig Refert		Work Order Number: 150305-002 Start Date: 08/15 End Date: 08/25		Date: 3/5/15 Issue: _____ Return Call: <input type="checkbox"/> yes / <input type="checkbox"/> no Damage Claim: <input type="checkbox"/> yes / <input type="checkbox"/> no
Problem Work Description: Gauge / sample		PPE Required: <input checked="" type="checkbox"/> SAFETY VEST <input checked="" type="checkbox"/> PROTECTIVE CLOTHING <input checked="" type="checkbox"/> HARD HAT <input checked="" type="checkbox"/> GLOVES <input checked="" type="checkbox"/> SHOES & BOOTS <input checked="" type="checkbox"/> SAFETY GLASSES/GOOGLES <input type="checkbox"/> HEARING PROTECTION <input type="checkbox"/> WELDING PIPE <input type="checkbox"/> RESPIRATOR <input type="checkbox"/> OTHER: _____		
Signature: Craig Refert Title: Site Rep		Signature: Day PA Title: Site Rep		
Work Instructions to be completed: [Blank]		Work Instructions to be completed (see below): [Blank]		
Work to be completed in this order: <input type="checkbox"/> Write of hazard in all cases an open area - on closed area if no ASA present <input type="checkbox"/> Transferring or connection related to underground tank / product flow <input type="checkbox"/> Heavy lifting		Hazard Risk - ASA required <input type="checkbox"/> Work in confined spaces (e.g. tank, manhole or deep, narrow entry) <input type="checkbox"/> Hot work with risk of product or vapor ignition <input type="checkbox"/> LPO present during installation or maintenance		
SIGN IN Signature: Craig Refert Title: Site Rep		SIGN OUT Signature: Day PA Title: Site Rep		
GENERAL SAFETY CHECKS: • Has the work area been fully set up? • Are all personnel aware of tasks of work including remaining in alert? • Are changes to equipment documented and communicated? • All incidents, near incidents, or safety observations reported? • Other: _____		GENERAL SAFETY CHECKS: • Has the work area been fully set up? • Are all personnel aware of tasks of work including remaining in alert? • Are changes to equipment documented and communicated? • All incidents, near incidents, or safety observations reported? • Other: _____		

The contractor through its authorized representative shall sign, leave and be solely responsible for all job clearance forms and the obligations arising there under applicable to the work. This form cannot be signed by the contractor until the contractor or employee confirms that the requirements of the form are met. The contractor may require the contractor to also sign this form if applicable to the work.

WELL GAUGING DATA

Project # 150629-LB1 Date 6/29/15 Client CRA

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 <u>TOC</u>	Notes
MW-1	0839	2					7.82	9.60		
MW-2	0812	4					8.19	—		EXT PUMP
MW-3	0819	4					9.90	14.05		
MW-4	0853	4					10.61	14.59		
MW-5	0746	4					10.59	19.05		
MW-6	0750	4					13.71	19.20		EXT PUMP
MW-7	0848	4					8.99	—		
MW-8	0807	4					8.99	—		EXT PUMP
MW-9	0740	2					DRY	20.05		
VP-1	0835	4					8.69	14.21		
VP-2	0844	4					8.29	13.77		
VP-3	0830	4					8.35	13.58		
VP-4	0848	4					8.47	13.51		
VP-5	0840	4					9.31	—		EXT PUMP
VP-6	0854	4					8.17	13.65		
VP-7	0822	4					8.73	14.21		
VP-8	0845	4					9.25	—		EXT PUMP

WELL GAUGING DATA

Project # 150629 LB1 Date 6/29/15 Client CRA

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	0830	4					9.41	13.99	↓	

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>150629-LB1</u>	Client: <u>CRA</u>
Sampler: <u>LB</u>	Gauging Date: <u>6/29/15</u>
Well I.D.: <u>MW-1</u>	Well Diameter (in.): <u>Ø 3 4 6 8</u> _____
Total Well Depth (ft.): <u>9.60</u>	Depth to Water (ft.): <u>7.82</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PYD</u> Grade	Flow Cell Type: <u>YSI 538</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0927 Flow Rate: 100ML/MIN Pump Depth: 9'

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.)
0933	17.51	6.51	618	33	0.95	-45.2	600	7.85
0936	17.38	6.42	615	14	0.92	-52.7	900	7.85
0939	17.35	6.39	616	9	0.90	-57.5	1200	7.85
0942	17.34	6.38	617	8	0.89	-58.2	1500	7.85
0945	17.33	6.37	618	9	0.88	-59.4	1800	7.85

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Amount actually evacuated: <u>1.8L</u>
Sampling Time: <u>0946</u>	Sampling Date: <u>6/29/15</u>
Sample I.D.: <u>GW-060493-062915-LB-MW-1</u>	Laboratory: <u>TA</u>
Analyzed for: <u>TPH-G</u> <u>BTEX</u> <u>MTBE</u> <u>TPH-D</u> Other: <u>SEE COC</u>	
Equipment Blank I.D.: _____ @ _____ Time	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 150629-LT31	Client: CDA
Sampler: R. Parker	Gauging Date: 6/29/15
Well I.D.: MW-2	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): pump	Depth to Water (ft.): 8.19
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: 100 Grade	Flow Cell Type: VIZ 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1224 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.)
1230	18.82	5.47	216	13	0.58	-53.3	600	8.49
1233	19.07	5.43	213	8	0.53	-54.5	900	8.61
1236	19.18	5.39	210	7	0.49	-57.7	1200	8.72
1239	19.25	5.37	209	6	0.45	-60.2	1500	8.84
1242	19.27	5.36	210	6	0.42	-65.1	1800	8.95

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

Sampling Time: 1243 Sampling Date: 6/29/15

Sample I.D.: GW-060493-062915-01-MW-2 Laboratory: TA

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

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 150629-LB1	Client: CRA
Sampler: J PANS	Gauging Date: 6/29/15
Well I.D.: MW-3	Well Diameter (in.): 2 3 (4) 6 8
Total Well Depth (ft.): 14.05	Depth to Water (ft.): 9.90
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: USE SSC

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0950 Flow Rate: 100 mL/min Pump Depth: 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.)
0956	16.04	3.82	172	78	2.32	81.0	600	10.05
0959	16.31	3.73	173	74	2.19	78.6	900	10.11
1002	16.50	3.65	173	72	2.10	77.7	1200	10.19
1005	16.61	3.61	173	70	2.04	77.2	1500	10.24
1008	16.76	3.61	172	69	1.98	75.8	1800	10.30

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 1.8L
Sampling Time: 1010	Sampling Date: 6/29/15
Sample I.D.: GW-260493-062915-CP-MW-3	Laboratory: TA
Analyzed for: TPH-G BTEX MTBE (TPH-D)	Other: Sepecol
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>150029-LB1</u>	Client: <u>CRA</u>
Sampler: <u>A Petrov</u>	Gauging Date: <u>6/22/15</u>
Well I.D.: <u>MW-6</u>	Well Diameter (in.): 2 3 <u>(4)</u> 6 8
Total Well Depth (ft.): <u>19.20</u>	Depth to Water (ft.): <u>13.71</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVO</u> Grade	Flow Cell Type: <u>UCF 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0914 Flow Rate: 100 ml/min Pump Depth: 16

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.)
<u>0920</u>	<u>16.93</u>	<u>4.46</u>	<u>325</u>	<u>30</u>	<u>0.58</u>	<u>74.7</u>	<u>600</u>	<u>14.45</u>
<u>0923</u>	<u>17.25</u>	<u>4.37</u>	<u>324</u>	<u>15</u>	<u>0.47</u>	<u>46.5</u>	<u>900</u>	<u>14.54</u>
<u>0926</u>	<u>17.42</u>	<u>4.36</u>	<u>324</u>	<u>11</u>	<u>0.48</u>	<u>41.1</u>	<u>1200</u>	<u>14.65</u>
<u>0929</u>	<u>17.52</u>	<u>4.35</u>	<u>323</u>	<u>10</u>	<u>0.49</u>	<u>44.8</u>	<u>1500</u>	<u>14.73</u>
<u>0932</u>	<u>17.64</u>	<u>4.35</u>	<u>324</u>	<u>11</u>	<u>0.48</u>	<u>48.3</u>	<u>1800</u>	<u>14.81</u>

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

Sampling Time: 0933 Sampling Date: 6/29/15

Sample I.D.: 6W-060493-062915-00-MW-6 Laboratory: TA

Analyzed for: PEG BTEX MTBE TPH-D Other: SOP COC

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 150629-LB1	Client: CRA
Sampler: LB	Gauging Date: 6/29/15
Well I.D.: MW-8	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): _____	Depth to Water (ft.): 8.99
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVO</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1139 Flow Rate: 100ML / MIN Pump Depth: 11.5'

Time	Temp. (<u>C</u> or °F)	pH	Cond. (mS/cm or <u>µS/cm</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>ml</u>)	Depth to Water (ft.)
1145	19.06	6.89	260	7	1.81	99.0	600	9.03
1148	19.26	6.86	259	7	1.76	91.2	900	9.03
1151	19.29	6.84	259	5	1.75	90.5	1200	9.03
1154	19.30	6.83	258	5	1.74	89.2	1500	9.03
1157	19.32	6.84	258	6	1.73	88.6	1800	9.03

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

Sampling Time: 1158 Sampling Date: 6/29/15

Sample I.D.: GW-060493-062915-LB-MW-8 Laboratory: TA

Analyzed for: TRH-G BTEX MTBE TPH-D Other: SEE COC

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 150629-LB1	Client: CRA
Sampler: LB	Gauging Date: 6/29/15
Well I.D.: MW-9	Well Diameter (in.): <input checked="" type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 6 <input type="radio"/> 8 _____
Total Well Depth (ft.): 20.05	Depth to Water (ft.): DRY
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <input checked="" type="checkbox"/> PVC <input type="checkbox"/> 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.)
		WELL IS DRY						
		NO SAMPLE TAKEN						

Did well dewater? Yes No	Amount actually evacuated: _____
Sampling Time: _____	Sampling Date: _____
Sample I.D.: _____	Laboratory: _____
Analyzed for: <input type="checkbox"/> TPH-G <input type="checkbox"/> BTEX <input type="checkbox"/> MTBE <input type="checkbox"/> TPH-D <input type="checkbox"/> Other: _____	
Equipment Blank I.D.: _____ @ _____ Time	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 150629-LB1	Client: CRA
Sampler: LB	Gauging Date: 6/29/15
Well I.D.: VP-1	Well Diameter (in.): 2 3 ④ 6 8
Total Well Depth (ft.): 14.21	Depth to Water (ft.): 8.69
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: 0958 Flow Rate: 100 mL/min Pump Depth: 11.5'

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.)
1004	16.47	6.27	170	30	0.88	-68.8	600	8.71
1007	16.42	6.24	169	25	0.84	-70.4	900	8.71
1010	16.48	6.25	167	23	0.83	-71.2	1200	8.71
1013	16.47	6.26	160	22	0.82	-72.7	1500	8.71
1016	16.45	6.27	165	21	0.81	-73.8	1800	8.71

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

Sampling Time: 1017 Sampling Date: 6/29/15

Sample I.D.: GW-060493-062915-LB-VP-1 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D Other: SEE COL

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>150629-LB1</u>	Client: <u>CRA</u>
Sampler: <u>LB</u>	Gauging Date: <u>6/29/15</u>
Well I.D.: <u>VP-2</u>	Well Diameter (in.): 2 3 <u>(4)</u> 6 8 <u> </u>
Total Well Depth (ft.): <u>13.77</u>	Depth to Water (ft.): <u>8.29</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSE 536</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1107 Flow Rate: 100ML/MIN Pump Depth: 11'

Time	Temp. (20 or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or qtL)	Depth to Water (ft.)
1108	17.01	6.57	490	19	1.26	90.2	600	8.31
1111	17.00	6.54	486	9	1.22	87.4	900	8.31
1114	16.99	6.53	486	6	1.20	86.7	1200	8.31
1117	16.98	6.52	485	7	1.19	85.2	1300	8.31
1120	16.97	6.51	484	6	1.18	84.6	1800	8.31

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Amount actually evacuated: <u>1.8L</u>
Sampling Time: <u>1121</u>	Sampling Date: <u>6/29/15</u>
Sample I.D.: <u>GW-060493-062915-LB-VP-2</u>	Laboratory: <u>TA</u>
Analyzed for: <u>TPH-D</u> <u>BTEX</u> <u>MTBE</u> <u>PPH-D</u>	Other: <u>SEE COC</u>
Equipment Blank I.D.: <u> </u> @ <u> </u> Time	Duplicate I.D.: <u> </u>

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>150629-LB1</u>	Client: <u>CRA</u>
Sampler: <u>C Petur</u>	Gauging Date: <u>6/29/15</u>
Well I.D.: <u>VP-3</u>	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): <u>13.58</u>	Depth to Water (ft.): <u>8.35</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PUC</u> Grade	Flow Cell Type: <u>YSE556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1647 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.)
1153	17.16	5.43	888	21	0.61	-86.5	600	8.41
1156	17.31	5.37	876	10	0.40	-82.9	1200	8.48
1159	17.37	5.34	864	8	0.39	-86.1	1200	8.53
1202	17.28	5.31	857	8	0.32	-89.0	1500	8.60
1205	17.33	5.31	850	7	0.31	-88.5	1800	8.66

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

Sampling Time: 1206 Sampling Date: 6/29/15

Sample I.D.: GW-060493-062915-Q-VP-3 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-D Other: SEP COC

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 150629-LB1	Client: CRA
Sampler: LB	Gauging Date: 6/29/15
Well I.D.: VP.4	Well Diameter (in.): 2 3 ④ 6 8
Total Well Depth (ft.): 13.51	Depth to Water (ft.): 8.47
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSL 532

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1030 Flow Rate: 100ML/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.)
1036	17.29	6.25	600	36	1.22	96.3	600	8.47
1039	17.45	6.27	599	15	1.17	95.7	900	8.47
1042	17.39	6.28	591	8	1.16	93.4	1200	8.47
1045	17.40	6.29	590	7	1.15	92.6	1500	8.47
1048	17.41	6.29	588	6	1.14	91.1	1800	8.47

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Amount actually evacuated: 1.8L
Sampling Time: 1049	Sampling Date: 6/29/15
Sample I.D.: GW-060493-062915-LB-MR-11	Laboratory: TA
Analyzed for: TPH-C BTEX MTBE APH-D Other: SEE COC	
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>150629-6 B1</u>	Client: <u>ORA</u>
Sampler: <u>C Peter</u>	Gauging Date: <u>6/29/15</u>
Well I.D.: <u>VP-5</u>	Well Diameter (in.): 2 3 <u>(4)</u> 6 8
Total Well Depth (ft.): <u>7ump</u>	Depth to Water (ft.): <u>9.31</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>VVO</u> Grade	Flow Cell Type: <u>YSF 556</u>

Purge Method: 2" Grundfos Pump Peristaltic ~~Pump~~ Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1022 Flow Rate: 100 mL/min Pump Depth: 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.)
1028	17.03	4.39	208	32	2.77	90.4	600	9.75
1031	17.04	4.38	208	11	2.63	83.3	900	9.82
1034	17.04	4.39	209	10	2.61	78.1	1200	9.90
1037	17.06	4.40	210	9	2.60	73.9	1500	9.99
1040	17.08	4.40	209	9	2.51	71.7	1800	10.65

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: <u>1.8L</u>
Sampling Time: <u>1041</u>	Sampling Date: <u>6/29/15</u>
Sample I.D.: <u>6W-060493-062915-09-VP-5</u>	Laboratory: <u>TA</u>
Analyzed for: <input checked="" type="checkbox"/> PHG <input checked="" type="checkbox"/> BTEX <input type="checkbox"/> MTBE <input checked="" type="checkbox"/> TPH	Other: <u>See COC</u>
Equipment Blank I.D.: _____ @ _____ Time	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>150629-LB1</u>	Client: <u>CRA</u>
Sampler: <u>LB</u>	Gauging Date: <u>6/29/15</u>
Well I.D.: <u>VP-6</u>	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): <u>13.65</u>	Depth to Water (ft.): <u>8.17</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PXC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1213 Flow Rate: 100ML / MIN Pump Depth: 11'

Time	Temp. (C or °F)	pH	Cond. (mS/cm or <u>µS/cm</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>ml</u>)	Depth to Water (ft.)
1219	18.23	6.45	206	11	1.28	93.6	600	8.18
1222	18.06	6.40	207	7	1.22	84.1	900	8.18
1225	17.95	6.35	207	5	1.18	83.5	1200	8.18
1228	17.96	6.34	208	4	1.17	82.2	1500	8.18
1231	17.98	6.32	209	4	1.16	81.6	1800	8.18

Did well dewater? Yes <input checked="" type="checkbox"/> No	Amount actually evacuated: <u>1.8L</u>
Sampling Time: <u>1232</u>	Sampling Date: <u>6/29/15</u>
Sample I.D.: <u>GW-060493-062915-LB-VP-6</u>	Laboratory: <u>TA</u>
Analyzed for: <u>PH-C</u> <u>BTX</u> MTBE <u>PH-D</u>	Other: <u>SEE COC</u>
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>150629-LB1</u>	Client: <u>CRA</u>
Sampler: <u>CPA/CVF</u>	Gauging Date: <u>6/29/15</u>
Well I.D.: <u>VP-7</u>	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): <u>14.21</u>	Depth to Water (ft.): <u>8.77</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>VIF556</u>

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

Start Purge Time: 1303 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.)
1309	17.91	5.43	674	25	0.77	-27.2	600	8.77
1312	18.04	5.32	686	14	0.54	-26.1	900	8.77
1315	18.08	5.24	692	16	0.50	-32.5	1200	8.77
1318	18.05	5.23	690	11	0.45	-36.1	1500	8.77
1321	17.99	5.21	691	10	0.38	-38.0	1800	8.77

Did well dewater? Yes No Amount actually evacuated: 1.0L

Sampling Time: 1322 Sampling Date: 6/29/15

Sample I.D. 6W-060493-062915-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 #: <u>150629-LB1</u>	Client: <u>CRA</u>
Sampler: <u>C Peters</u>	Gauging Date: <u>6/29/15</u>
Well I.D.: <u>VP-8</u>	Well Diameter (in.): 2 3 <u>(4)</u> 6 8
Total Well Depth (ft.): <u>pump</u>	Depth to Water (ft.): <u>9.25</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 590</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1101 Flow Rate: 100 mL/min Pump Depth: 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.)
<u>1107</u>	<u>18.22</u>	<u>5.24</u>	<u>1092</u>	<u>25</u>	<u>0.83</u>	<u>-26.6</u>	<u>600</u>	<u>9.45</u>
<u>1110</u>	<u>18.38</u>	<u>5.30</u>	<u>1108</u>	<u>21</u>	<u>0.72</u>	<u>-40.7</u>	<u>900</u>	<u>9.56</u>
<u>1113</u>	<u>18.50</u>	<u>5.32</u>	<u>1122</u>	<u>16</u>	<u>0.69</u>	<u>-46.4</u>	<u>1200</u>	<u>9.63</u>
<u>1116</u>	<u>18.30</u>	<u>5.37</u>	<u>1126</u>	<u>17</u>	<u>0.61</u>	<u>-53.9</u>	<u>1500</u>	<u>9.70</u>
<u>1119</u>	<u>18.39</u>	<u>5.39</u>	<u>1130</u>	<u>15</u>	<u>0.59</u>	<u>-61.0</u>	<u>1800</u>	<u>9.79</u>

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

Sampling Time: 1120 Sampling Date: 6/29/15

Sample I.D.: GW-060493-062915-CP-VP-8 Laboratory: TA

Analyzed for: TPH-G BTEX MTBE TPH-L Other: See COC

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

LAB (LOCATION)



Shell Oil Products Chain Of Custody Record

CALSCEC
 SFL Houston
 XENCO
 TEST AMERICA
 OTHER

ENV. SERVICES
 HOTIVA SO&O
 SHELL PIPELINE
 NOTIVA RETAIL
 CONSULTANT
 OTHER

SHELL RETAIL
 LUBES

Print Bill To Contact Name:
 Michael Q Lam - 060493.2011.05
 PO #

INCIDENT # (ENV SERVICES):
 9 1 8 8 0 6 2 2
 DATE: 6/29/15
 PAGE: 1 of 2

CHECK IF NO INCIDENT APPLIES

Blaine Tech Services
 20735 Belshaw Avenue, Carson, CA 90746
 TEL: (310) 885-4455 x 103
 FAX: (310) 637-5802
 E-MAIL: btechie@blainetech.com

SITE ADDRESS: Street and City
 210 NE 45th Street, Seattle
 STATE: WA
 ZIP CODE: 98105

PHONE NO:
 425-863-8590
 E-MAIL:
 Shell.US.LabDataManagement@CRAworld.com

CONTRACT PROJECT NO:
 150229149

TURNAROUND TIME CALENDAR DAYS:
 STANDARD (14 DAY) 5 DAYS 3 DAYS 24 HOURS
 LA - RWQB REPORT FORMAT LST AGENCY

SHELL CONTRACT RATE APPLIES
 STATE REIMBURSEMENT RATE APPLIES
 EDD NOT NEEDED
 RECEIPT VERIFICATION REQUESTED

SPECIAL INSTRUCTIONS OR NOTES:
 1) Please upload the "CRA EOU/S 4-Rle EDD" to the CRA Website
 http://crasubmittals.cra.gov/submit/submit.asp and/or send it to the Shell-US-
 LabDataManagement@CRAworld.com email folder. 2) Please indicate that you have uploaded
 the EDD by including "EDD Uploaded to CRA website" in the body of the email used to deliver the
 final PDF report to the Shell-US-LabDataManagement@CRAworld.com email folder.

REQUESTED ANALYSIS
 BTEX (260B)
 VOCs Full list (826B)
 PAHs (8070 SIM)
 PCBs (8082)
 Total Lead (8020)
 EDC (8011)
 EDC (826B)
 EDC (826B)
 8 Oxygenates, MTBE, TBA, DIPE, TAME, ETBE
 NWTPH-DX W/SHKA Gel Cleanup
 NWTPH-GX
 NWTPH-EPH
 NWTPH-VPH
 PAH (8080)
 VOCs Full list (826B)

Copy final report to Shell.Lab.Billing@cravorld.com, Shell.results@cravorld.com, and Shell-US-
 LabDataManagement@CRAworld.com
 Small Invoices to Shell.Lab.Billing@cravorld.com
 See Laboratory PIN for WA Dept. of Ecology RTCA Method A cleanup levels for
 BTEX and detection limits.

Matrix Codes - WG (groundwater), WS (surface water),
 WP (drinking water source), W (Trip or Temp Blank)

TEMPERATURE ON RECEIPT C

LAB USE ONLY	PROJECT NUMBER	DATE (MMDDYY)	SAMPLER INITIALS	WELL ID	TIME	PRESERVATIVE				NO. OF CONT.	TEMPERATURE ON RECEIPT C	Container PID Readings or Laboratory Notes
						HCL	HNO3	HNO2	OTHER			
GW	060493	062915	LB	MW-1	0916	WG	X			8		
GW	060493	062915	CP	MW-2	1243	WG	X			8		
GW	060493	062915	CP	MW-3	1010	WG	X			8		
GW	060493	062915	CP	MW-6	0943	WG	X			8		
GW	060493	062915	LB	MW-8	1158	WG	X			8		
GW	060493	062915	LB	VP-1	1017	WG	X			8		
GW	060493	062915	LB	VP-2	1121	WG	X			8		
GW	060493	062915	CP	VP-3	1200	WG	X			8		
GW	060493	062915	LB	VP-4	1019	WG	X			8		
GW	060493	062915	CP	VP-5	1041	WG	X			8		

Submitted by: (Signature)

 Received by: (Signature)

 Date: 6/29/15

Date: 6/29/15

LAB (LOCATION)

- CALSCEC ()
- SPL Houston ()
- XEROX ()
- TEST AMERICA ()
- OTHER ()



Shell Oil Products Chain of Custody Record

Print, Bill To Contact Name: Michael Q Lam - 060493, 2011.05
PO #: 210 NE 45th Street, Seattle
SHIP TO ADDRESS: Street and City: 210 NE 45th Street, Seattle
SHIP TO: WA
PHONE NO: 425-863-8800
CONTACT PART PROJECT NO.: 15002949
INCIDENT # (ENV SERVICES): 9 1 8 8 0 6 2 2
SAP #: 1 2 0 8 7 7
GLOBAL ID NO: NA
EMAIL: Shell-US-LabDataManagement@CRAworld.com
LAB USE ONLY:

LAB (LOCATION): Blaine Tech Services
ADDRESS: 20735 Belshaw Avenue, Carson, CA 90746
PROJECT CONTACT (Person or PO): Bart Gebbie
TELEPHONE: (310) 885-4155 x 103
FAX: (310) 637-5802
EMAIL: bgebbie@blaintech.com
TURNAROUND TIME (CALENDAR DAYS): STANDARD (14 DAY) 5 DAYS 2 DAYS 24 HOURS
 LA - IMPROV REPORT FORMAT IUST AGENCY RESULTS NEEDED ON WEEKENDS

SPECIAL INSTRUCTIONS OR NOTES:
 1) Please upload the "CRA EQUIS 4-file EDD" to the CRA Website (http://crabackend.upload.craworld.com/equis/default.aspx) and/or send it to the Shell-US-LabDataManagement@CRAworld.com email folder. 2) Please indicate that you have uploaded the EDD by including "EDD Uploaded to CRA website" in the body of the email used to deliver the final PDF report to the Shell-US-LabDataManagement@CRAworld.com email folder.
 Copy final report to Shell Lab Billing@craworld.com, Shell.results@craworld.com, and Shell-US-LabDataManagement@CRAworld.com
 Email invoice to Shell Lab Billing@craworld.com
 See Laboratory PM for WA Dept. of Ecology MICA Method A cleanup levels for minimum detection limits.

REQUESTED ANALYSIS

PROJECT NUMBER	DATE (MM/DD/YY)	SAMPLER INITIALS	WELL ID	TIME	MATRIX	PRESERVATIVE	NO. OF POINTS	TEMPERATURE ON RECEIPT °C
GW - 080493	06/29/15	LB	VP6	1232	WG	8	8	
ENV - 060493	06/29/15	CP	VP7	1322	WG	8	8	
ENV - 060493	06/29/15	CP	VP8	1120	WG	8	8	

Container PID Readings or Laboratory Notes:

TEMPERATURE ON RECEIPT °C:

RECEIVED BY (Signature): [Signature]
DATE: 6/29/15

SHIPPED VIA FEDEX

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM

INCIDENT # 01800022 ADDRESS 210 NC 45TH ST CITY & STATE SEATTLE, WA

DATE: 6/29/15

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

Remediation Compound Type (Check boxes that apply)	Condition of Enclosure	Condition of Area Inside Enclosure	Compounds Security	Emergency Contact Info Visible	Cleaning / Repairs Recommended and Completed	Photos of Condition	Repair Date and PM Initials	
								Condition of Enclosure
NA								
Building								
Building w/ Fence Comp.								
Fenced Compound								
Trailer								
Does the Label Reveal the Source of the Contaminant?							Photos of Drum Condition	Date Drums Removed from Site and PM Initials
Y	N	N/A	Y	N	N/A	Y	N	
Labeled Correctly and Writing Legible							Drum Condition	
Y	N	N/A	Y	N	N/A	Y	N	
Confirm Drums Related to Environmental							Drums Located to Min Business Interference	
Y	N	N/A	Y	N	N/A	Y	N	
Detail of Explanation of Any Issues Resolved								

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

LEE BUES / BS

Print or type Name of Field Personnel & Consultant Company

G = Good (Acceptable) R = Replaced
 P = Poor (needs attention) NL = No Lock Required
 Note: All repairs other than locks and adapters 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

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM

INCIDENT # 01880622

ADDRESS 210 NE 45TH ST

DATE: 6/29/15

CITY & STATE SEATTLE, WA

Well ID	Wayway Cover, Type, Condition & Size			Observations Upon Arrival			Well Pad / Surface Condition	Note Repairs Made and Performed	Photos of Well Condition	Repair Date and Pit Initials	
	Standpipe	Manway Cover	Size (inch)	Well Labeled / Painted Property*	Well Cap (Gripper) Condition	Well Lock Condition					Well Pad / Surface Condition
VP-3	Standpipe	Flush	32	N	R	R	G	VAULT SECURE BY WEIGHT	Y		
VP-4	Standpipe	Flush	32	N	R	R	G	VAULT	Y		
VP-5	Standpipe	Flush	32	N	R	R	G	VAULT	Y		
VP-6	Standpipe	Flush	32	N	R	R	G	VAULT	Y		
VP-7	Standpipe	Flush	24	N	R	R	G	VAULT	Y		
VP-8	Standpipe	Flush	24	N	R	R	G	VAULT	Y		
VP-9	Standpipe	Flush	32	N	R	R	G	VAULT	Y		
	Standpipe	Flush		Y	R	R	G		Y		
	Standpipe	Flush		Y	R	R	G		Y		
	Standpipe	Flush		Y	R	R	G		Y		
	Standpipe	Flush		Y	R	R	G		Y		
	Standpipe	Flush		Y	R	R	G		Y		
	Standpipe	Flush		Y	R	R	G		Y		
				TOTAL # CAPS REPLACED = <u>0</u>			TOTAL # OF LOCKS REPLACED = <u>0</u>				
Condition of Soil Boring Excesses of Abandoned Monitoring Wells											
Remediation Compound Type (Check boxes that apply)		Condition of Enclosure		Condition of Area Inside Enclosure		Compound Security		Emergency Contact Info Visible		Photos of Well Condition	
NA		G		G		G		G		Y	
Building		G		G		G		G		Y	
Building w/ Fence Comp.		G		G		G		G		Y	
Fenced Compound		G		G		G		G		Y	
Trailer		G		G		G		G		Y	
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	
Y		Y		G		Y		Y		N	
N		N		N/A		N/A		N		N	
N		N		N/A		N/A		N		N	
N/A		N/A		P		P		N		N	
N/A		N/A		N/A		N/A		N/A		N/A	

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

LEE BOERS / BS
Print or type Name of Field Personnel & Consultant Company

G = Good (Acceptable) R = Replaced
P = Poor (needs attention) NL = No Lock Required
Note: All repairs other than locks and adapters require Shell P&H approval prior to repair.
* = Groundwater monitoring well covers must be painted and labeled in accordance with applicable regulations.
Version 2.4, March 2008

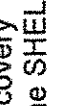
SHELL BILL OF LADING

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:

INCIDENT # 91880622 Perry Pineda
 Shell Engineer
210 NE 45TH ST SEATTLE WA
 street number street name city state

WELL I.D.	GALS.	WELL I.D.	GALS.
Mw-1	0.5	VP-4	0.5
Mw-2	0.5	VP-5	0.5
Mw-3	0.5	VP-6	0.5
Mw-6	0.5	VP-7	0.5
Mw-8	0.5	VP-8	0.5
VP-1	0.5		
VP-2	0.5		
VP-3	0.5		
added equip.		any other	
rinse water	35	adjustments	
TOTAL GALS. RECOVERED	35	loaded onto	88
	10.0	BTS vehicle #	
BTS event #	152629-481	time	1345
		date	6/29/15
signature			

RECEIVED AT		time	date
BTS Kent		/	/
unloaded by		signature	

Site Address: <i>210 NE 45TH ST, SEATTLE, WA</i>		Date: <i>6/29/15</i>
Check-In with site representative completed?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Is fuel delivery scheduled for today?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Emergency pump cut-off switch located?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
First aid kit located and confirmed ready-to-use?		<input checked="" type="checkbox"/> Yes
Fire extinguisher located and confirmed ready-to-use?		<input checked="" type="checkbox"/> Yes
Eye wash located and confirmed ready-to-use?		<input checked="" type="checkbox"/> Yes
HASP	Emergency Services information located & reviewed?	<input checked="" type="checkbox"/> Yes
	Hospital map & route located and reviewed?	<input checked="" type="checkbox"/> Yes
	Special Hazard Notice section reviewed?	<input checked="" type="checkbox"/> Yes
	Site Status confirmed or amended, dated and initialed?	<input checked="" type="checkbox"/> Yes
	Emergency Response procedures reviewed with all work crew members?	<input checked="" type="checkbox"/> Yes
	Compliance Roster signed by all work crew members?	<input checked="" type="checkbox"/> Yes
Site walk has been performed to locate wells and identify additional hazards?		<input checked="" type="checkbox"/> Yes
Job Safety Analysis (JSA) for each task located & reviewed by all work crew members?		<input checked="" type="checkbox"/> Yes
Work Area Plans reviewed for suitability and effectiveness given current site conditions?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Traffic Control Plans reviewed for suitability given current road, traffic & weather conditions?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Stop Work Authority reviewed and understood by all work crew members?		<input checked="" type="checkbox"/> Yes

- In the space below, note unaddressed hazards and conditions that might compromise compliance with Approved Procedures and/or JSA's or impede the safe and proper execution of the Work Plan, Work Area Plan(s) and/or Traffic Control Plan(s).
- Report unaddressed hazards and adverse conditions to the Project Manager during Pre-Start Call-in and as hazards are identified or conditions change throughout the workday.
- DO NOT COMMENCE OR RESTART WORK until PM has been notified and mitigation measures approved.

Time	Hazard or Adverse Condition	PM Initials	Hazard Control Measure

Site representative briefed on planned work activities and Work Area Plans?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Job Clearance Form completed?		<input checked="" type="checkbox"/> Yes
Pre-Start Call-In completed and approval to start work received from Project Manager?		<input checked="" type="checkbox"/> Yes
Printed Name <i>Craig Peters</i>	Signature <i>Craig Peters</i>	Time <i>0730</i>

Station Address: 210 NE 45TH ST SEATTLE, WA BLUME TECH SERVICES LEE B. BLES		Work Order Number: 150629-LEB1 Start Time: 0730 End Time: 1330		Date: 6/29/16
Problem/Work Description: GAUSE PURSE + SAMPLE GROUNDWATER WELLS				
PERSONAL PROTECTIVE EQUIPMENT REQUIRED:				
<input checked="" type="checkbox"/> HAZARDOUS MATERIALS <input checked="" type="checkbox"/> PROTECTIVE CLOTHING		<input checked="" type="checkbox"/> HEARING PROTECTION <input type="checkbox"/> RESPIRATOR <input type="checkbox"/> OTHER:		
<input checked="" type="checkbox"/> HARD HAT <input checked="" type="checkbox"/> GLOVES		<input checked="" type="checkbox"/> SAFETY GLASSES/GOGGLES <input type="checkbox"/> WELDING PPE		
GAUSE PURSE SAMPLE		Medium Risk / Higher Risk Job - Risk required Work discussed in the meeting: <input type="checkbox"/> Work in confined spaces (e.g. tank, manhole or other restricted area) <input type="checkbox"/> Hot work with risk of sparks or other ignitions <input type="checkbox"/> LOTO systems, energizing, de-energizing or maintenance		
LOWEST RISK - no job required <input type="checkbox"/> Work in adjacent or nearby areas - no closed areas or no PPE present <input type="checkbox"/> Trenching or excavation related to underground line / product line <input type="checkbox"/> Heavy lifting		HAZARD (EHS) - EHS required HAZARD (EHS) - EHS required HAZARD (EHS) - EHS required		
THIS FORM MUST BE COMPLETED BY EACH OF THE OPERATIONAL PERSONNEL INVOLVED IN THE WORK.				
SIGN IN Operator representative name: Craig Roton Signature: [Signature]		SIGN OUT Operator representative name: [Name] Signature: [Signature]		
GENERAL SAFETY CHECKS Operating permit to be signed by the Site Representative Non-operating permit to be signed by Contractor Representative only Have all site personnel been trained? Has the delivery service been informed? Is a hot delivery done? Has a lockout procedure been agreed - lock out tag out? Has work area cordoned off to protect workers, the staff & public?				
Date Issued: May 2007 Revision No.: 1.0 Page 1 of 1				

The contractor is responsible for obtaining the necessary permits for all job activities and for the completion of the job activities. The contractor is also responsible for the safety of the contractor's employees and the safety of the public. The contractor is responsible for the safety of the contractor's employees and the safety of the public. The contractor is responsible for the safety of the contractor's employees and the safety of the public.

Appendix B Analytical Reports and Chains of Custody

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-71064-1
TestAmerica Sample Delivery Group: SAP#120877 / 060493
Client Project/Site: 210 NE 45th Street, Seattle

For:
Conestoga-Rovers & Associates, Inc.
20818 44th Ave W
Suite 190
Lynnwood, Washington 98036

Attn: Michael Lam

Roxanne L Connor

Authorized for release by:
2/3/2015 2:43:41 PM

Roxanne Connor, Senior Project Manager
(615)301-5761
roxanne.connor@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

- 1
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- 12
- 13



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Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th Street, Seattle

TestAmerica Job ID: 490-71064-1
SDG: SAP#120877 / 060493

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-71064-1	GW-060493-012115-CP-MW-1	Ground Water	01/21/15 10:43	01/23/15 08:40
490-71064-2	GW-060493-012115-CP-MW-2	Ground Water	01/21/15 13:37	01/23/15 08:40
490-71064-3	GW-060493-012115-CP-MW-3	Ground Water	01/21/15 11:13	01/23/15 08:40
490-71064-4	GW-060493-012115-CP-MW-6	Ground Water	01/21/15 14:11	01/23/15 08:40
490-71064-5	GW-060493-012115-CP-MW-8	Ground Water	01/22/15 09:41	01/23/15 08:40
490-71064-6	GW-060493-012115-CP-VP-1	Ground Water	01/21/15 11:47	01/23/15 08:40
490-71064-7	GW-060493-012115-CP-VP-2	Ground Water	01/21/15 12:40	01/23/15 08:40
490-71064-8	GW-060493-012115-CP-VP-3	Ground Water	01/21/15 13:07	01/23/15 08:40
490-71064-9	GW-060493-012215-CP-VP-4	Ground Water	01/22/15 10:15	01/23/15 08:40
490-71064-10	GW-060493-012215-CP-VP-5	Ground Water	01/22/15 10:47	01/23/15 08:40
490-71064-11	GW-060493-012215-CP-VP-6	Ground Water	01/22/15 08:31	01/23/15 08:40
490-71064-12	GW-060493-012215-CP-VP-7	Ground Water	01/22/15 09:04	01/23/15 08:40
490-71064-13	GW-060493-012215-CP-VP-8	Ground Water	01/22/15 11:20	01/23/15 08:40

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th Street, Seattle

TestAmerica Job ID: 490-71064-1
SDG: SAP#120877 / 060493

Job ID: 490-71064-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative 490-71064-1

Comments

No additional comments.

Receipt

The samples were received on 1/23/2015 8:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 3.1° C, 3.2° C and 5.3° C.

GC/MS VOA

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.

Job ID: 490-71064-2

Laboratory: TestAmerica Nashville

Narrative

Job Narrative 490-71064-2

Comments

No additional comments.

Receipt

The samples were received on 1/23/2015 8:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 3.1° C, 3.2° C and 5.3° C.

GC VOA

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

GC Semi VOA

Method(s) NWTPH-Dx: There was insufficient contamination present for analyte C10-C24 to perform a pattern match for the following sample(s): (490-71064-9 DU), GW-060493-012115-CP-VP-1 (490-71064-6), GW-060493-012115-CP-VP-2 (490-71064-7), GW-060493-012215-CP-VP-4 (490-71064-9).

Method(s) NWTPH-Dx: The following sample(s) contained a hydrocarbon pattern for analyte C10-C24 which does not match a typical Total Petroleum Hydrocarbon (TPH) pattern used by the laboratory for quantitative purposes: GW-060493-012215-CP-VP-7 (490-71064-12).

Method(s) NWTPH-Dx: The following sample(s) contained a hydrocarbon pattern for analyte C24-C40 that most closely resembles a Motor oil product used by the laboratory for quantitative purposes: GW-060493-012115-CP-MW-6 (490-71064-4).

Method(s) NWTPH-Dx: The following sample(s) contained a hydrocarbon pattern which does not match a typical Total Petroleum Hydrocarbon (TPH) pattern used by the laboratory for quantitative purposes: GW-060493-012115-CP-VP-3 (490-71064-8), GW-060493-012215-CP-VP-8 (490-71064-13).

Method(s) NWTPH-Dx: The following sample(s) contained a hydrocarbon pattern for analyte C10-C24 that most closely resembles a Gasoline product used by the laboratory for quantitative purposes: GW-060493-012115-CP-MW-6 (490-71064-4).

Method(s) NWTPH-Dx: The following sample contained a single peak(s) contaminant which does not match a typical Total Petroleum Hydrocarbon (TPH) pattern used by the laboratory for quantitative purposes: GW-060493-012115-CP-MW-2 (490-71064-2).

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th Street, Seattle

TestAmerica Job ID: 490-71064-1
SDG: SAP#120877 / 060493

Job ID: 490-71064-2 (Continued)

Laboratory: TestAmerica Nashville (Continued)

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

Organic Prep

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with 224722.

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

VOA Prep

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

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Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th Street, Seattle

TestAmerica Job ID: 490-71064-1
SDG: SAP#120877 / 060493

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits

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)

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 210 NE 45th Street, Seattle

TestAmerica Job ID: 490-71064-1
 SDG: SAP#120877 / 060493

Client Sample ID: GW-060493-012115-CP-MW-1

Lab Sample ID: 490-71064-1

Date Collected: 01/21/15 10:43

Matrix: Ground Water

Date Received: 01/23/15 08:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			01/24/15 19:30	1
Diisopropyl ether	ND		2.00		ug/L			01/24/15 19:30	1
Ethylbenzene	ND		1.00		ug/L			01/24/15 19:30	1
Ethyl tert-butyl ether	ND		1.00		ug/L			01/24/15 19:30	1
Methyl tert-butyl ether	ND		1.00		ug/L			01/24/15 19:30	1
Tert-amyl methyl ether	ND		1.00		ug/L			01/24/15 19:30	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			01/24/15 19:30	1
Toluene	ND		1.00		ug/L			01/24/15 19:30	1
Xylenes, Total	ND		2.00		ug/L			01/24/15 19:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130		01/24/15 19:30	1
Dibromofluoromethane (Surr)	103		70 - 130		01/24/15 19:30	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 130		01/24/15 19:30	1
Toluene-d8 (Surr)	96		70 - 130		01/24/15 19:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			01/30/15 01:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	90		50 - 150		01/30/15 01:04	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	ND		93.9		ug/L		01/24/15 10:54	01/30/15 15:34	1
C24-C40	ND		93.9		ug/L		01/24/15 10:54	01/30/15 15:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	66		50 - 150	01/24/15 10:54	01/30/15 15:34	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 210 NE 45th Street, Seattle

TestAmerica Job ID: 490-71064-1
 SDG: SAP#120877 / 060493

Client Sample ID: GW-060493-012115-CP-MW-2

Lab Sample ID: 490-71064-2

Date Collected: 01/21/15 13:37

Matrix: Ground Water

Date Received: 01/23/15 08:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			01/24/15 19:56	1
Diisopropyl ether	ND		2.00		ug/L			01/24/15 19:56	1
Ethylbenzene	3.28		1.00		ug/L			01/24/15 19:56	1
Ethyl tert-butyl ether	ND		1.00		ug/L			01/24/15 19:56	1
Methyl tert-butyl ether	ND		1.00		ug/L			01/24/15 19:56	1
Tert-amyl methyl ether	ND		1.00		ug/L			01/24/15 19:56	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			01/24/15 19:56	1
Toluene	ND		1.00		ug/L			01/24/15 19:56	1
Xylenes, Total	ND		2.00		ug/L			01/24/15 19:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130		01/24/15 19:56	1
Dibromofluoromethane (Surr)	102		70 - 130		01/24/15 19:56	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 130		01/24/15 19:56	1
Toluene-d8 (Surr)	95		70 - 130		01/24/15 19:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	148		100		ug/L			01/30/15 02:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	98		50 - 150		01/30/15 02:04	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	180		93.9		ug/L		01/24/15 10:54	01/30/15 15:49	1
C24-C40	ND		93.9		ug/L		01/24/15 10:54	01/30/15 15:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	65		50 - 150	01/24/15 10:54	01/30/15 15:49	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 210 NE 45th Street, Seattle

TestAmerica Job ID: 490-71064-1
 SDG: SAP#120877 / 060493

Client Sample ID: GW-060493-012115-CP-MW-3

Lab Sample ID: 490-71064-3

Date Collected: 01/21/15 11:13

Matrix: Ground Water

Date Received: 01/23/15 08:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			01/24/15 20:22	1
Diisopropyl ether	ND		2.00		ug/L			01/24/15 20:22	1
Ethylbenzene	ND		1.00		ug/L			01/24/15 20:22	1
Ethyl tert-butyl ether	ND		1.00		ug/L			01/24/15 20:22	1
Methyl tert-butyl ether	ND		1.00		ug/L			01/24/15 20:22	1
Tert-amyl methyl ether	ND		1.00		ug/L			01/24/15 20:22	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			01/24/15 20:22	1
Toluene	ND		1.00		ug/L			01/24/15 20:22	1
Xylenes, Total	ND		2.00		ug/L			01/24/15 20:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130		01/24/15 20:22	1
Dibromofluoromethane (Surr)	105		70 - 130		01/24/15 20:22	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 130		01/24/15 20:22	1
Toluene-d8 (Surr)	96		70 - 130		01/24/15 20:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			01/30/15 02:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	88		50 - 150		01/30/15 02:33	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	ND		93.9		ug/L		01/24/15 10:54	01/30/15 16:04	1
C24-C40	ND		93.9		ug/L		01/24/15 10:54	01/30/15 16:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	61		50 - 150	01/24/15 10:54	01/30/15 16:04	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 210 NE 45th Street, Seattle

TestAmerica Job ID: 490-71064-1
 SDG: SAP#120877 / 060493

Client Sample ID: GW-060493-012115-CP-MW-6

Lab Sample ID: 490-71064-4

Date Collected: 01/21/15 14:11

Matrix: Ground Water

Date Received: 01/23/15 08:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	68.1		1.00		ug/L			01/24/15 20:48	1
Diisopropyl ether	ND		2.00		ug/L			01/24/15 20:48	1
Ethylbenzene	292		10.0		ug/L			01/27/15 16:07	10
Ethyl tert-butyl ether	ND		1.00		ug/L			01/24/15 20:48	1
Methyl tert-butyl ether	ND		1.00		ug/L			01/24/15 20:48	1
Tert-amyl methyl ether	ND		1.00		ug/L			01/24/15 20:48	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			01/24/15 20:48	1
Toluene	8.82		1.00		ug/L			01/24/15 20:48	1
Xylenes, Total	124		2.00		ug/L			01/24/15 20:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130		01/24/15 20:48	1
4-Bromofluorobenzene (Surr)	94		70 - 130		01/27/15 16:07	10
Dibromofluoromethane (Surr)	102		70 - 130		01/24/15 20:48	1
Dibromofluoromethane (Surr)	108		70 - 130		01/27/15 16:07	10
1,2-Dichloroethane-d4 (Surr)	91		70 - 130		01/24/15 20:48	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 130		01/27/15 16:07	10
Toluene-d8 (Surr)	96		70 - 130		01/24/15 20:48	1
Toluene-d8 (Surr)	93		70 - 130		01/27/15 16:07	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	5010		1000		ug/L			01/30/15 03:03	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	98		50 - 150		01/30/15 03:03	10

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	1160		469		ug/L		01/24/15 10:54	01/31/15 08:07	5
C24-C40	285		93.9		ug/L		01/24/15 10:54	01/30/15 16:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	68		50 - 150	01/24/15 10:54	01/30/15 16:19	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 210 NE 45th Street, Seattle

TestAmerica Job ID: 490-71064-1
 SDG: SAP#120877 / 060493

Client Sample ID: GW-060493-012115-CP-MW-8

Lab Sample ID: 490-71064-5

Date Collected: 01/22/15 09:41

Matrix: Ground Water

Date Received: 01/23/15 08:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			01/27/15 15:15	1
Diisopropyl ether	ND		2.00		ug/L			01/27/15 15:15	1
Ethylbenzene	1.28		1.00		ug/L			01/27/15 15:15	1
Ethyl tert-butyl ether	ND		1.00		ug/L			01/27/15 15:15	1
Methyl tert-butyl ether	ND		1.00		ug/L			01/27/15 15:15	1
Tert-amyl methyl ether	ND		1.00		ug/L			01/27/15 15:15	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			01/27/15 15:15	1
Toluene	ND		1.00		ug/L			01/27/15 15:15	1
Xylenes, Total	2.66		2.00		ug/L			01/27/15 15:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130		01/27/15 15:15	1
Dibromofluoromethane (Surr)	106		70 - 130		01/27/15 15:15	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 130		01/27/15 15:15	1
Toluene-d8 (Surr)	94		70 - 130		01/27/15 15:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			01/30/15 03:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	84		50 - 150		01/30/15 03:33	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	ND		93.9		ug/L		01/24/15 10:54	01/30/15 16:33	1
C24-C40	ND		93.9		ug/L		01/24/15 10:54	01/30/15 16:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	66		50 - 150	01/24/15 10:54	01/30/15 16:33	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 210 NE 45th Street, Seattle

TestAmerica Job ID: 490-71064-1
 SDG: SAP#120877 / 060493

Client Sample ID: GW-060493-012115-CP-VP-1

Lab Sample ID: 490-71064-6

Date Collected: 01/21/15 11:47

Matrix: Ground Water

Date Received: 01/23/15 08:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			01/24/15 21:40	1
Diisopropyl ether	ND		2.00		ug/L			01/24/15 21:40	1
Ethylbenzene	ND		1.00		ug/L			01/24/15 21:40	1
Ethyl tert-butyl ether	ND		1.00		ug/L			01/24/15 21:40	1
Methyl tert-butyl ether	ND		1.00		ug/L			01/24/15 21:40	1
Tert-amyl methyl ether	ND		1.00		ug/L			01/24/15 21:40	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			01/24/15 21:40	1
Toluene	ND		1.00		ug/L			01/24/15 21:40	1
Xylenes, Total	ND		2.00		ug/L			01/24/15 21:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130		01/24/15 21:40	1
Dibromofluoromethane (Surr)	104		70 - 130		01/24/15 21:40	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 130		01/24/15 21:40	1
Toluene-d8 (Surr)	97		70 - 130		01/24/15 21:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			01/30/15 04:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	83		50 - 150		01/30/15 04:03	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	115		93.9		ug/L		01/24/15 10:54	01/30/15 16:48	1
C24-C40	ND		93.9		ug/L		01/24/15 10:54	01/30/15 16:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	64		50 - 150	01/24/15 10:54	01/30/15 16:48	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 210 NE 45th Street, Seattle

TestAmerica Job ID: 490-71064-1
 SDG: SAP#120877 / 060493

Client Sample ID: GW-060493-012115-CP-VP-2

Lab Sample ID: 490-71064-7

Date Collected: 01/21/15 12:40

Matrix: Ground Water

Date Received: 01/23/15 08:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			01/24/15 22:06	1
Diisopropyl ether	ND		2.00		ug/L			01/24/15 22:06	1
Ethylbenzene	ND		1.00		ug/L			01/24/15 22:06	1
Ethyl tert-butyl ether	ND		1.00		ug/L			01/24/15 22:06	1
Methyl tert-butyl ether	ND		1.00		ug/L			01/24/15 22:06	1
Tert-amyl methyl ether	ND		1.00		ug/L			01/24/15 22:06	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			01/24/15 22:06	1
Toluene	ND		1.00		ug/L			01/24/15 22:06	1
Xylenes, Total	ND		2.00		ug/L			01/24/15 22:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130		01/24/15 22:06	1
Dibromofluoromethane (Surr)	105		70 - 130		01/24/15 22:06	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 130		01/24/15 22:06	1
Toluene-d8 (Surr)	95		70 - 130		01/24/15 22:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			01/30/15 04:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	83		50 - 150		01/30/15 04:33	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	140		93.9		ug/L		01/24/15 10:54	01/30/15 17:03	1
C24-C40	ND		93.9		ug/L		01/24/15 10:54	01/30/15 17:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	58		50 - 150	01/24/15 10:54	01/30/15 17:03	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 210 NE 45th Street, Seattle

TestAmerica Job ID: 490-71064-1
 SDG: SAP#120877 / 060493

Client Sample ID: GW-060493-012115-CP-VP-3

Lab Sample ID: 490-71064-8

Date Collected: 01/21/15 13:07

Matrix: Ground Water

Date Received: 01/23/15 08:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	13.2		1.00		ug/L			01/24/15 22:32	1
Diisopropyl ether	ND		2.00		ug/L			01/24/15 22:32	1
Ethylbenzene	ND		1.00		ug/L			01/24/15 22:32	1
Ethyl tert-butyl ether	ND		1.00		ug/L			01/24/15 22:32	1
Methyl tert-butyl ether	ND		1.00		ug/L			01/24/15 22:32	1
Tert-amyl methyl ether	ND		1.00		ug/L			01/24/15 22:32	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			01/24/15 22:32	1
Toluene	ND		1.00		ug/L			01/24/15 22:32	1
Xylenes, Total	ND		2.00		ug/L			01/24/15 22:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130		01/24/15 22:32	1
Dibromofluoromethane (Surr)	105		70 - 130		01/24/15 22:32	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 130		01/24/15 22:32	1
Toluene-d8 (Surr)	94		70 - 130		01/24/15 22:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	908		100		ug/L			01/30/15 05:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	87		50 - 150		01/30/15 05:03	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	2500		93.9		ug/L		02/02/15 10:51	02/02/15 23:09	1
C24-C40	112		93.9		ug/L		02/02/15 10:51	02/02/15 23:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	66		50 - 150	02/02/15 10:51	02/02/15 23:09	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 210 NE 45th Street, Seattle

TestAmerica Job ID: 490-71064-1
 SDG: SAP#120877 / 060493

Client Sample ID: GW-060493-012215-CP-VP-4

Lab Sample ID: 490-71064-9

Date Collected: 01/22/15 10:15

Matrix: Ground Water

Date Received: 01/23/15 08:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			01/24/15 22:59	1
Diisopropyl ether	ND		2.00		ug/L			01/24/15 22:59	1
Ethylbenzene	ND		1.00		ug/L			01/24/15 22:59	1
Ethyl tert-butyl ether	ND		1.00		ug/L			01/24/15 22:59	1
Methyl tert-butyl ether	ND		1.00		ug/L			01/24/15 22:59	1
Tert-amyl methyl ether	ND		1.00		ug/L			01/24/15 22:59	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			01/24/15 22:59	1
Toluene	ND		1.00		ug/L			01/24/15 22:59	1
Xylenes, Total	ND		2.00		ug/L			01/24/15 22:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130		01/24/15 22:59	1
Dibromofluoromethane (Surr)	105		70 - 130		01/24/15 22:59	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 130		01/24/15 22:59	1
Toluene-d8 (Surr)	97		70 - 130		01/24/15 22:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			01/30/15 05:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	86		50 - 150		01/30/15 05:33	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	97.5		93.9		ug/L		01/24/15 10:54	01/30/15 17:32	1
C24-C40	ND		93.9		ug/L		01/24/15 10:54	01/30/15 17:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	62		50 - 150	01/24/15 10:54	01/30/15 17:32	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 210 NE 45th Street, Seattle

TestAmerica Job ID: 490-71064-1
 SDG: SAP#120877 / 060493

Client Sample ID: GW-060493-012215-CP-VP-5

Lab Sample ID: 490-71064-10

Date Collected: 01/22/15 10:47

Matrix: Ground Water

Date Received: 01/23/15 08:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			01/24/15 23:25	1
Diisopropyl ether	ND		2.00		ug/L			01/24/15 23:25	1
Ethylbenzene	1.17		1.00		ug/L			01/24/15 23:25	1
Ethyl tert-butyl ether	ND		1.00		ug/L			01/24/15 23:25	1
Methyl tert-butyl ether	ND		1.00		ug/L			01/24/15 23:25	1
Tert-amyl methyl ether	ND		1.00		ug/L			01/24/15 23:25	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			01/24/15 23:25	1
Toluene	6.34		1.00		ug/L			01/24/15 23:25	1
Xylenes, Total	5.01		2.00		ug/L			01/24/15 23:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130		01/24/15 23:25	1
Dibromofluoromethane (Surr)	106		70 - 130		01/24/15 23:25	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 130		01/24/15 23:25	1
Toluene-d8 (Surr)	96		70 - 130		01/24/15 23:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			01/30/15 06:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	84		50 - 150		01/30/15 06:02	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	ND		93.9		ug/L		01/24/15 10:54	01/30/15 18:01	1
C24-C40	ND		93.9		ug/L		01/24/15 10:54	01/30/15 18:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	66		50 - 150	01/24/15 10:54	01/30/15 18:01	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 210 NE 45th Street, Seattle

TestAmerica Job ID: 490-71064-1
 SDG: SAP#120877 / 060493

Client Sample ID: GW-060493-012215-CP-VP-6

Lab Sample ID: 490-71064-11

Date Collected: 01/22/15 08:31

Matrix: Ground Water

Date Received: 01/23/15 08:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			01/24/15 23:51	1
Diisopropyl ether	ND		2.00		ug/L			01/24/15 23:51	1
Ethylbenzene	1.05		1.00		ug/L			01/24/15 23:51	1
Ethyl tert-butyl ether	ND		1.00		ug/L			01/24/15 23:51	1
Methyl tert-butyl ether	ND		1.00		ug/L			01/24/15 23:51	1
Tert-amyl methyl ether	ND		1.00		ug/L			01/24/15 23:51	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			01/24/15 23:51	1
Toluene	ND		1.00		ug/L			01/24/15 23:51	1
Xylenes, Total	ND		2.00		ug/L			01/24/15 23:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130		01/24/15 23:51	1
Dibromofluoromethane (Surr)	105		70 - 130		01/24/15 23:51	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 130		01/24/15 23:51	1
Toluene-d8 (Surr)	96		70 - 130		01/24/15 23:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			01/30/15 06:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	88		50 - 150		01/30/15 06:32	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	ND		93.9		ug/L		01/24/15 10:54	01/30/15 18:59	1
C24-C40	ND		93.9		ug/L		01/24/15 10:54	01/30/15 18:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	62		50 - 150	01/24/15 10:54	01/30/15 18:59	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 210 NE 45th Street, Seattle

TestAmerica Job ID: 490-71064-1
 SDG: SAP#120877 / 060493

Client Sample ID: GW-060493-012215-CP-VP-7

Lab Sample ID: 490-71064-12

Date Collected: 01/22/15 09:04

Matrix: Ground Water

Date Received: 01/23/15 08:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	64.3		1.00		ug/L			01/25/15 00:17	1
Diisopropyl ether	ND		2.00		ug/L			01/25/15 00:17	1
Ethylbenzene	47.5		1.00		ug/L			01/25/15 00:17	1
Ethyl tert-butyl ether	ND		1.00		ug/L			01/25/15 00:17	1
Methyl tert-butyl ether	ND		1.00		ug/L			01/25/15 00:17	1
Tert-amyl methyl ether	ND		1.00		ug/L			01/25/15 00:17	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			01/25/15 00:17	1
Toluene	51.1		1.00		ug/L			01/25/15 00:17	1
Xylenes, Total	146		2.00		ug/L			01/25/15 00:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130					01/25/15 00:17	1
Dibromofluoromethane (Surr)	102		70 - 130					01/25/15 00:17	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 130					01/25/15 00:17	1
Toluene-d8 (Surr)	97		70 - 130					01/25/15 00:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	1630		1000		ug/L			01/30/15 07:02	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	79		50 - 150					01/30/15 07:02	10

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	1480		93.9		ug/L		01/24/15 10:54	01/30/15 19:14	1
C24-C40	ND		93.9		ug/L		01/24/15 10:54	01/30/15 19:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	66		50 - 150				01/24/15 10:54	01/30/15 19:14	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 210 NE 45th Street, Seattle

TestAmerica Job ID: 490-71064-1
 SDG: SAP#120877 / 060493

Client Sample ID: GW-060493-012215-CP-VP-8

Lab Sample ID: 490-71064-13

Date Collected: 01/22/15 11:20

Matrix: Ground Water

Date Received: 01/23/15 08:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			01/25/15 00:43	1
Diisopropyl ether	ND		2.00		ug/L			01/25/15 00:43	1
Ethylbenzene	ND		1.00		ug/L			01/25/15 00:43	1
Ethyl tert-butyl ether	ND		1.00		ug/L			01/25/15 00:43	1
Methyl tert-butyl ether	ND		1.00		ug/L			01/25/15 00:43	1
Tert-amyl methyl ether	ND		1.00		ug/L			01/25/15 00:43	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			01/25/15 00:43	1
Toluene	ND		1.00		ug/L			01/25/15 00:43	1
Xylenes, Total	ND		2.00		ug/L			01/25/15 00:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130		01/25/15 00:43	1
Dibromofluoromethane (Surr)	105		70 - 130		01/25/15 00:43	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 130		01/25/15 00:43	1
Toluene-d8 (Surr)	95		70 - 130		01/25/15 00:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			01/30/15 07:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	85		50 - 150		01/30/15 07:32	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	805		93.9		ug/L		01/24/15 10:54	01/30/15 19:28	1
C24-C40	407		93.9		ug/L		01/24/15 10:54	01/30/15 19:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	56		50 - 150	01/24/15 10:54	01/30/15 19:28	1

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 210 NE 45th Street, Seattle

TestAmerica Job ID: 490-71064-1
 SDG: SAP#120877 / 060493

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 490-222699/7

Matrix: Water

Analysis Batch: 222699

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			01/24/15 16:27	1
Diisopropyl ether	ND		2.00		ug/L			01/24/15 16:27	1
Ethylbenzene	ND		1.00		ug/L			01/24/15 16:27	1
Ethyl tert-butyl ether	ND		1.00		ug/L			01/24/15 16:27	1
Methyl tert-butyl ether	ND		1.00		ug/L			01/24/15 16:27	1
Tert-amyl methyl ether	ND		1.00		ug/L			01/24/15 16:27	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			01/24/15 16:27	1
Toluene	ND		1.00		ug/L			01/24/15 16:27	1
Xylenes, Total	ND		2.00		ug/L			01/24/15 16:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130		01/24/15 16:27	1
Dibromofluoromethane (Surr)	106		70 - 130		01/24/15 16:27	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 130		01/24/15 16:27	1
Toluene-d8 (Surr)	97		70 - 130		01/24/15 16:27	1

Lab Sample ID: LCS 490-222699/3

Matrix: Water

Analysis Batch: 222699

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	48.65		ug/L		97	80 - 121
Diisopropyl ether	50.0	44.38		ug/L		89	61 - 142
Ethylbenzene	50.0	47.11		ug/L		94	80 - 130
Ethyl tert-butyl ether	50.0	47.01		ug/L		94	63 - 135
Methyl tert-butyl ether	50.0	47.19		ug/L		94	72 - 133
Tert-amyl methyl ether	50.0	49.30		ug/L		99	63 - 135
tert-Butyl alcohol (TBA)	500	410.9		ug/L		82	54 - 150
Toluene	50.0	48.47		ug/L		97	80 - 126
Xylenes, Total	150	142.5		ug/L		95	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
Dibromofluoromethane (Surr)	100		70 - 130
1,2-Dichloroethane-d4 (Surr)	90		70 - 130
Toluene-d8 (Surr)	96		70 - 130

Lab Sample ID: LCSD 490-222699/4

Matrix: Water

Analysis Batch: 222699

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	50.0	47.82		ug/L		96	80 - 121	2	17
Diisopropyl ether	50.0	43.86		ug/L		88	61 - 142	1	50
Ethylbenzene	50.0	46.37		ug/L		93	80 - 130	2	15
Ethyl tert-butyl ether	50.0	46.62		ug/L		93	63 - 135	1	19
Methyl tert-butyl ether	50.0	47.40		ug/L		95	72 - 133	0	16

TestAmerica Nashville

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 210 NE 45th Street, Seattle

TestAmerica Job ID: 490-71064-1
 SDG: SAP#120877 / 060493

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

Lab Sample ID: LCSD 490-222699/4

Matrix: Water

Analysis Batch: 222699

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
Tert-amyl methyl ether	50.0	48.25		ug/L		96	63 - 135	2	15
tert-Butyl alcohol (TBA)	500	399.3		ug/L		80	54 - 150	3	32
Toluene	50.0	47.09		ug/L		94	80 - 126	3	15
Xylenes, Total	150	140.1		ug/L		93	80 - 132	2	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
Dibromofluoromethane (Surr)	103		70 - 130
1,2-Dichloroethane-d4 (Surr)	92		70 - 130
Toluene-d8 (Surr)	96		70 - 130

Lab Sample ID: 490-71064-2 MS

Matrix: Ground Water

Analysis Batch: 222699

Client Sample ID: GW-060493-012115-CP-MW-2

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		50.0	50.95		ug/L		101	75 - 133		
Diisopropyl ether	ND		50.0	46.28		ug/L		93	10 - 200		
Ethylbenzene	3.28		50.0	51.19		ug/L		96	79 - 139		
Ethyl tert-butyl ether	ND		50.0	47.54		ug/L		95	60 - 138		
Methyl tert-butyl ether	ND		50.0	47.41		ug/L		95	66 - 141		
Tert-amyl methyl ether	ND		50.0	49.15		ug/L		98	61 - 138		
tert-Butyl alcohol (TBA)	ND		500	478.9		ug/L		96	50 - 183		
Toluene	ND		50.0	49.50		ug/L		98	75 - 136		
Xylenes, Total	ND		150	144.2		ug/L		96	74 - 141		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
Dibromofluoromethane (Surr)	105		70 - 130
1,2-Dichloroethane-d4 (Surr)	96		70 - 130
Toluene-d8 (Surr)	96		70 - 130

Lab Sample ID: 490-71064-2 MSD

Matrix: Ground Water

Analysis Batch: 222699

Client Sample ID: GW-060493-012115-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	ND		50.0	53.09		ug/L		106	75 - 133	4	17
Diisopropyl ether	ND		50.0	47.07		ug/L		94	10 - 200	2	50
Ethylbenzene	3.28		50.0	54.57		ug/L		103	79 - 139	6	15
Ethyl tert-butyl ether	ND		50.0	47.62		ug/L		95	60 - 138	0	19
Methyl tert-butyl ether	ND		50.0	47.21		ug/L		94	66 - 141	0	16
Tert-amyl methyl ether	ND		50.0	49.13		ug/L		98	61 - 138	0	15
tert-Butyl alcohol (TBA)	ND		500	500.5		ug/L		100	50 - 183	4	32
Toluene	ND		50.0	52.29		ug/L		104	75 - 136	5	15
Xylenes, Total	ND		150	151.8		ug/L		101	74 - 141	5	15

TestAmerica Nashville

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 210 NE 45th Street, Seattle

TestAmerica Job ID: 490-71064-1
 SDG: SAP#120877 / 060493

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

Lab Sample ID: 490-71064-2 MSD
Matrix: Ground Water
Analysis Batch: 222699

Client Sample ID: GW-060493-012115-CP-MW-2
Prep Type: Total/NA

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	92		70 - 130
Dibromofluoromethane (Surr)	103		70 - 130
1,2-Dichloroethane-d4 (Surr)	94		70 - 130
Toluene-d8 (Surr)	96		70 - 130

Lab Sample ID: MB 490-223168/7
Matrix: Water
Analysis Batch: 223168

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

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		1.00		ug/L			01/27/15 14:23	1
Diisopropyl ether	ND		2.00		ug/L			01/27/15 14:23	1
Ethylbenzene	ND		1.00		ug/L			01/27/15 14:23	1
Ethyl tert-butyl ether	ND		1.00		ug/L			01/27/15 14:23	1
Methyl tert-butyl ether	ND		1.00		ug/L			01/27/15 14:23	1
Tert-amyl methyl ether	ND		1.00		ug/L			01/27/15 14:23	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			01/27/15 14:23	1
Toluene	ND		1.00		ug/L			01/27/15 14:23	1
Xylenes, Total	ND		2.00		ug/L			01/27/15 14:23	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	94		70 - 130		01/27/15 14:23	1
Dibromofluoromethane (Surr)	105		70 - 130		01/27/15 14:23	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 130		01/27/15 14:23	1
Toluene-d8 (Surr)	94		70 - 130		01/27/15 14:23	1

Lab Sample ID: LCS 490-223168/3
Matrix: Water
Analysis Batch: 223168

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diisopropyl ether	50.0	46.65		ug/L		93	61 - 142
Ethylbenzene	50.0	45.84		ug/L		92	80 - 130
Ethyl tert-butyl ether	50.0	49.39		ug/L		99	63 - 135
Methyl tert-butyl ether	50.0	49.20		ug/L		98	72 - 133
Tert-amyl methyl ether	50.0	49.79		ug/L		100	63 - 135
tert-Butyl alcohol (TBA)	500	509.0		ug/L		102	54 - 150
Toluene	50.0	46.91		ug/L		94	80 - 126
Xylenes, Total	150	137.5		ug/L		92	80 - 132

Surrogate	LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	93		70 - 130
Dibromofluoromethane (Surr)	106		70 - 130
1,2-Dichloroethane-d4 (Surr)	99		70 - 130
Toluene-d8 (Surr)	95		70 - 130

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 210 NE 45th Street, Seattle

TestAmerica Job ID: 490-71064-1
 SDG: SAP#120877 / 060493

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

Lab Sample ID: LCSD 490-223168/4

Matrix: Water

Analysis Batch: 223168

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	50.0	48.90		ug/L		98	80 - 121	1	17
Diisopropyl ether	50.0	45.98		ug/L		92	61 - 142	1	50
Ethylbenzene	50.0	46.00		ug/L		92	80 - 130	0	15
Ethyl tert-butyl ether	50.0	49.07		ug/L		98	63 - 135	1	19
Methyl tert-butyl ether	50.0	49.40		ug/L		99	72 - 133	0	16
Tert-amyl methyl ether	50.0	49.64		ug/L		99	63 - 135	0	15
tert-Butyl alcohol (TBA)	500	499.2		ug/L		100	54 - 150	2	32
Toluene	50.0	47.05		ug/L		94	80 - 126	0	15
Xylenes, Total	150	137.4		ug/L		92	80 - 132	0	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
Dibromofluoromethane (Surr)	106		70 - 130
1,2-Dichloroethane-d4 (Surr)	97		70 - 130
Toluene-d8 (Surr)	95		70 - 130

Lab Sample ID: 490-71142-B-9 MS

Matrix: Water

Analysis Batch: 223168

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		50.0	48.30		ug/L		97	75 - 133
Diisopropyl ether	ND		50.0	38.43		ug/L		77	10 - 200
Ethylbenzene	ND		50.0	45.24		ug/L		90	79 - 139
Ethyl tert-butyl ether	ND		50.0	38.90		ug/L		78	60 - 138
Methyl tert-butyl ether	ND		50.0	37.36		ug/L		75	66 - 141
Tert-amyl methyl ether	ND		50.0	38.85		ug/L		78	61 - 138
tert-Butyl alcohol (TBA)	ND		500	305.8		ug/L		61	50 - 183
Toluene	ND		50.0	45.63		ug/L		91	75 - 136
Xylenes, Total	ND		150	133.0		ug/L		89	74 - 141

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
Dibromofluoromethane (Surr)	105		70 - 130
1,2-Dichloroethane-d4 (Surr)	90		70 - 130
Toluene-d8 (Surr)	95		70 - 130

Lab Sample ID: 490-71142-C-9 MSD

Matrix: Water

Analysis Batch: 223168

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		50.0	53.70		ug/L		107	75 - 133	11	17
Diisopropyl ether	ND		50.0	46.29		ug/L		93	10 - 200	19	50
Ethylbenzene	ND		50.0	50.60		ug/L		101	79 - 139	11	15
Ethyl tert-butyl ether	ND		50.0	47.49	F2	ug/L		95	60 - 138	20	19
Methyl tert-butyl ether	ND		50.0	46.72	F2	ug/L		93	66 - 141	22	16

TestAmerica Nashville

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th Street, Seattle

TestAmerica Job ID: 490-71064-1
SDG: SAP#120877 / 060493

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

Lab Sample ID: 490-71142-C-9 MSD

Matrix: Water

Analysis Batch: 223168

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Tert-amyl methyl ether	ND		50.0	48.08	F2	ug/L		96	61 - 138	21	15
tert-Butyl alcohol (TBA)	ND		500	424.7	F2	ug/L		85	50 - 183	33	32
Toluene	ND		50.0	51.56		ug/L		103	75 - 136	12	15
Xylenes, Total	ND		150	149.4		ug/L		100	74 - 141	12	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
Dibromofluoromethane (Surr)	104		70 - 130
1,2-Dichloroethane-d4 (Surr)	96		70 - 130
Toluene-d8 (Surr)	95		70 - 130

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

Lab Sample ID: MB 490-223783/33

Matrix: Water

Analysis Batch: 223783

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			01/30/15 00:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	91		50 - 150		01/30/15 00:34	1

Lab Sample ID: LCS 490-223783/8

Matrix: Water

Analysis Batch: 223783

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C12	1000	1045		ug/L		104	39 - 143

Surrogate	LCS %Recovery	LCS Qualifier	Limits
a,a,a-Trifluorotoluene	124		50 - 150

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Lab Sample ID: MB 490-222682/1-A

Matrix: Water

Analysis Batch: 224298

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 222682

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	ND		100		ug/L		01/24/15 10:54	01/30/15 14:36	1
C24-C40	ND		100		ug/L		01/24/15 10:54	01/30/15 14:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	73		50 - 150	01/24/15 10:54	01/30/15 14:36	1

TestAmerica Nashville

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 210 NE 45th Street, Seattle

TestAmerica Job ID: 490-71064-1
 SDG: SAP#120877 / 060493

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

(Continued)

Lab Sample ID: LCS 490-222682/2-A

Matrix: Water

Analysis Batch: 224298

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 222682

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C10-C24	1000	599.4		ug/L		60	51 - 132
Surrogate		LCS %Recovery	LCS Qualifier				Limits
<i>o-Terphenyl</i>		54					50 - 150

Lab Sample ID: 490-71064-9 DU

Matrix: Ground Water

Analysis Batch: 224298

Client Sample ID: GW-060493-012215-CP-VP-4

Prep Type: Total/NA

Prep Batch: 222682

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
C10-C24	97.5		101.9		ug/L		4	41
C24-C40	ND		ND		ug/L		NC	41
Surrogate		DU %Recovery	DU Qualifier					Limits
<i>o-Terphenyl</i>		66						50 - 150

Lab Sample ID: 490-71064-10 DU

Matrix: Ground Water

Analysis Batch: 224298

Client Sample ID: GW-060493-012215-CP-VP-5

Prep Type: Total/NA

Prep Batch: 222682

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
C10-C24	ND		ND		ug/L		0.5	41
C24-C40	ND		ND		ug/L		NC	41
Surrogate		DU %Recovery	DU Qualifier					Limits
<i>o-Terphenyl</i>		62						50 - 150

Lab Sample ID: MB 490-224722/1-A

Matrix: Water

Analysis Batch: 224645

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 224722

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	ND		100		ug/L		02/02/15 10:51	02/02/15 22:39	1
C24-C40	ND		100		ug/L		02/02/15 10:51	02/02/15 22:39	1
Surrogate		MB %Recovery					Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>		72					02/02/15 10:51	02/02/15 22:39	1

Lab Sample ID: LCS 490-224722/2-A

Matrix: Water

Analysis Batch: 224645

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 224722

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C10-C24	1000	902.6		ug/L		90	51 - 132

TestAmerica Nashville

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th Street, Seattle

TestAmerica Job ID: 490-71064-1
SDG: SAP#120877 / 060493

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup (Continued)

Lab Sample ID: LCS 490-224722/2-A
Matrix: Water
Analysis Batch: 224645

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 224722

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
<i>o</i> -Terphenyl	79		50 - 150

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 210 NE 45th Street, Seattle

TestAmerica Job ID: 490-71064-1
 SDG: SAP#120877 / 060493

GC/MS VOA

Analysis Batch: 222699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-71064-1	GW-060493-012115-CP-MW-1	Total/NA	Ground Water	8260B	
490-71064-2	GW-060493-012115-CP-MW-2	Total/NA	Ground Water	8260B	
490-71064-2 MS	GW-060493-012115-CP-MW-2	Total/NA	Ground Water	8260B	
490-71064-2 MSD	GW-060493-012115-CP-MW-2	Total/NA	Ground Water	8260B	
490-71064-3	GW-060493-012115-CP-MW-3	Total/NA	Ground Water	8260B	
490-71064-4	GW-060493-012115-CP-MW-6	Total/NA	Ground Water	8260B	
490-71064-6	GW-060493-012115-CP-VP-1	Total/NA	Ground Water	8260B	
490-71064-7	GW-060493-012115-CP-VP-2	Total/NA	Ground Water	8260B	
490-71064-8	GW-060493-012115-CP-VP-3	Total/NA	Ground Water	8260B	
490-71064-9	GW-060493-012215-CP-VP-4	Total/NA	Ground Water	8260B	
490-71064-10	GW-060493-012215-CP-VP-5	Total/NA	Ground Water	8260B	
490-71064-11	GW-060493-012215-CP-VP-6	Total/NA	Ground Water	8260B	
490-71064-12	GW-060493-012215-CP-VP-7	Total/NA	Ground Water	8260B	
490-71064-13	GW-060493-012215-CP-VP-8	Total/NA	Ground Water	8260B	
LCS 490-222699/3	Lab Control Sample	Total/NA	Water	8260B	
LCS 490-222699/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-222699/7	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 223168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-71064-4	GW-060493-012115-CP-MW-6	Total/NA	Ground Water	8260B	
490-71064-5	GW-060493-012115-CP-MW-8	Total/NA	Ground Water	8260B	
490-71142-B-9 MS	Matrix Spike	Total/NA	Water	8260B	
490-71142-C-9 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 490-223168/3	Lab Control Sample	Total/NA	Water	8260B	
LCS 490-223168/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-223168/7	Method Blank	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 223783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-71064-1	GW-060493-012115-CP-MW-1	Total/NA	Ground Water	NWTPH-Gx	
490-71064-2	GW-060493-012115-CP-MW-2	Total/NA	Ground Water	NWTPH-Gx	
490-71064-3	GW-060493-012115-CP-MW-3	Total/NA	Ground Water	NWTPH-Gx	
490-71064-4	GW-060493-012115-CP-MW-6	Total/NA	Ground Water	NWTPH-Gx	
490-71064-5	GW-060493-012115-CP-MW-8	Total/NA	Ground Water	NWTPH-Gx	
490-71064-6	GW-060493-012115-CP-VP-1	Total/NA	Ground Water	NWTPH-Gx	
490-71064-7	GW-060493-012115-CP-VP-2	Total/NA	Ground Water	NWTPH-Gx	
490-71064-8	GW-060493-012115-CP-VP-3	Total/NA	Ground Water	NWTPH-Gx	
490-71064-9	GW-060493-012215-CP-VP-4	Total/NA	Ground Water	NWTPH-Gx	
490-71064-10	GW-060493-012215-CP-VP-5	Total/NA	Ground Water	NWTPH-Gx	
490-71064-11	GW-060493-012215-CP-VP-6	Total/NA	Ground Water	NWTPH-Gx	
490-71064-12	GW-060493-012215-CP-VP-7	Total/NA	Ground Water	NWTPH-Gx	
490-71064-13	GW-060493-012215-CP-VP-8	Total/NA	Ground Water	NWTPH-Gx	
LCS 490-223783/8	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
MB 490-223783/33	Method Blank	Total/NA	Water	NWTPH-Gx	

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 210 NE 45th Street, Seattle

TestAmerica Job ID: 490-71064-1
 SDG: SAP#120877 / 060493

GC Semi VOA

Prep Batch: 222682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-71064-1	GW-060493-012115-CP-MW-1	Total/NA	Ground Water	3510C	
490-71064-2	GW-060493-012115-CP-MW-2	Total/NA	Ground Water	3510C	
490-71064-3	GW-060493-012115-CP-MW-3	Total/NA	Ground Water	3510C	
490-71064-4	GW-060493-012115-CP-MW-6	Total/NA	Ground Water	3510C	
490-71064-5	GW-060493-012115-CP-MW-8	Total/NA	Ground Water	3510C	
490-71064-6	GW-060493-012115-CP-VP-1	Total/NA	Ground Water	3510C	
490-71064-7	GW-060493-012115-CP-VP-2	Total/NA	Ground Water	3510C	
490-71064-9	GW-060493-012215-CP-VP-4	Total/NA	Ground Water	3510C	
490-71064-9 DU	GW-060493-012215-CP-VP-4	Total/NA	Ground Water	3510C	
490-71064-10	GW-060493-012215-CP-VP-5	Total/NA	Ground Water	3510C	
490-71064-10 DU	GW-060493-012215-CP-VP-5	Total/NA	Ground Water	3510C	
490-71064-11	GW-060493-012215-CP-VP-6	Total/NA	Ground Water	3510C	
490-71064-12	GW-060493-012215-CP-VP-7	Total/NA	Ground Water	3510C	
490-71064-13	GW-060493-012215-CP-VP-8	Total/NA	Ground Water	3510C	
LCS 490-222682/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 490-222682/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 224298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-71064-1	GW-060493-012115-CP-MW-1	Total/NA	Ground Water	NWTPH-Dx	222682
490-71064-2	GW-060493-012115-CP-MW-2	Total/NA	Ground Water	NWTPH-Dx	222682
490-71064-3	GW-060493-012115-CP-MW-3	Total/NA	Ground Water	NWTPH-Dx	222682
490-71064-4	GW-060493-012115-CP-MW-6	Total/NA	Ground Water	NWTPH-Dx	222682
490-71064-4	GW-060493-012115-CP-MW-6	Total/NA	Ground Water	NWTPH-Dx	222682
490-71064-5	GW-060493-012115-CP-MW-8	Total/NA	Ground Water	NWTPH-Dx	222682
490-71064-6	GW-060493-012115-CP-VP-1	Total/NA	Ground Water	NWTPH-Dx	222682
490-71064-7	GW-060493-012115-CP-VP-2	Total/NA	Ground Water	NWTPH-Dx	222682
490-71064-9	GW-060493-012215-CP-VP-4	Total/NA	Ground Water	NWTPH-Dx	222682
490-71064-9 DU	GW-060493-012215-CP-VP-4	Total/NA	Ground Water	NWTPH-Dx	222682
490-71064-10	GW-060493-012215-CP-VP-5	Total/NA	Ground Water	NWTPH-Dx	222682
490-71064-10 DU	GW-060493-012215-CP-VP-5	Total/NA	Ground Water	NWTPH-Dx	222682
490-71064-11	GW-060493-012215-CP-VP-6	Total/NA	Ground Water	NWTPH-Dx	222682
490-71064-12	GW-060493-012215-CP-VP-7	Total/NA	Ground Water	NWTPH-Dx	222682
490-71064-13	GW-060493-012215-CP-VP-8	Total/NA	Ground Water	NWTPH-Dx	222682
LCS 490-222682/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	222682
MB 490-222682/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	222682

Analysis Batch: 224645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-71064-8	GW-060493-012115-CP-VP-3	Total/NA	Ground Water	NWTPH-Dx	224722
LCS 490-224722/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	224722
MB 490-224722/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	224722

Prep Batch: 224722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-71064-8	GW-060493-012115-CP-VP-3	Total/NA	Ground Water	3510C	
LCS 490-224722/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 490-224722/1-A	Method Blank	Total/NA	Water	3510C	

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 210 NE 45th Street, Seattle

TestAmerica Job ID: 490-71064-1
 SDG: SAP#120877 / 060493

Client Sample ID: GW-060493-012115-CP-MW-1

Lab Sample ID: 490-71064-1

Date Collected: 01/21/15 10:43

Matrix: Ground Water

Date Received: 01/23/15 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	222699	01/24/15 19:30	NC	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	223783	01/30/15 01:04	GWM	TAL NSH
Total/NA	Prep	3510C			1065 mL	1 mL	222682	01/24/15 10:54	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1065 mL	1 mL	224298	01/30/15 15:34	GMH	TAL NSH

Client Sample ID: GW-060493-012115-CP-MW-2

Lab Sample ID: 490-71064-2

Date Collected: 01/21/15 13:37

Matrix: Ground Water

Date Received: 01/23/15 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	222699	01/24/15 19:56	NC	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	223783	01/30/15 02:04	GWM	TAL NSH
Total/NA	Prep	3510C			1065 mL	1 mL	222682	01/24/15 10:54	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1065 mL	1 mL	224298	01/30/15 15:49	GMH	TAL NSH

Client Sample ID: GW-060493-012115-CP-MW-3

Lab Sample ID: 490-71064-3

Date Collected: 01/21/15 11:13

Matrix: Ground Water

Date Received: 01/23/15 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	222699	01/24/15 20:22	NC	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	223783	01/30/15 02:33	GWM	TAL NSH
Total/NA	Prep	3510C			1065 mL	1 mL	222682	01/24/15 10:54	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1065 mL	1 mL	224298	01/30/15 16:04	GMH	TAL NSH

Client Sample ID: GW-060493-012115-CP-MW-6

Lab Sample ID: 490-71064-4

Date Collected: 01/21/15 14:11

Matrix: Ground Water

Date Received: 01/23/15 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	222699	01/24/15 20:48	NC	TAL NSH
Total/NA	Analysis	8260B		10	10 mL	10 mL	223168	01/27/15 16:07	NC	TAL NSH
Total/NA	Analysis	NWTPH-Gx		10	5 mL	5 mL	223783	01/30/15 03:03	GWM	TAL NSH
Total/NA	Prep	3510C			1065 mL	1 mL	222682	01/24/15 10:54	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1065 mL	1 mL	224298	01/30/15 16:19	GMH	TAL NSH
Total/NA	Prep	3510C			1065 mL	1 mL	222682	01/24/15 10:54	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		5	1065 mL	1 mL	224298	01/31/15 08:07	GMH	TAL NSH

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th Street, Seattle

TestAmerica Job ID: 490-71064-1
SDG: SAP#120877 / 060493

Client Sample ID: GW-060493-012115-CP-MW-8

Lab Sample ID: 490-71064-5

Date Collected: 01/22/15 09:41

Matrix: Ground Water

Date Received: 01/23/15 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	223168	01/27/15 15:15	NC	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	223783	01/30/15 03:33	GWM	TAL NSH
Total/NA	Prep	3510C			1065 mL	1 mL	222682	01/24/15 10:54	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1065 mL	1 mL	224298	01/30/15 16:33	GMH	TAL NSH

Client Sample ID: GW-060493-012115-CP-VP-1

Lab Sample ID: 490-71064-6

Date Collected: 01/21/15 11:47

Matrix: Ground Water

Date Received: 01/23/15 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	222699	01/24/15 21:40	NC	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	223783	01/30/15 04:03	GWM	TAL NSH
Total/NA	Prep	3510C			1065 mL	1 mL	222682	01/24/15 10:54	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1065 mL	1 mL	224298	01/30/15 16:48	GMH	TAL NSH

Client Sample ID: GW-060493-012115-CP-VP-2

Lab Sample ID: 490-71064-7

Date Collected: 01/21/15 12:40

Matrix: Ground Water

Date Received: 01/23/15 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	222699	01/24/15 22:06	NC	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	223783	01/30/15 04:33	GWM	TAL NSH
Total/NA	Prep	3510C			1065 mL	1 mL	222682	01/24/15 10:54	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1065 mL	1 mL	224298	01/30/15 17:03	GMH	TAL NSH

Client Sample ID: GW-060493-012115-CP-VP-3

Lab Sample ID: 490-71064-8

Date Collected: 01/21/15 13:07

Matrix: Ground Water

Date Received: 01/23/15 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	222699	01/24/15 22:32	NC	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	223783	01/30/15 05:03	GWM	TAL NSH
Total/NA	Prep	3510C			1065 mL	1.0 mL	224722	02/02/15 10:51	CLM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1065 mL	1.0 mL	224645	02/02/15 23:09	JPS	TAL NSH

Client Sample ID: GW-060493-012215-CP-VP-4

Lab Sample ID: 490-71064-9

Date Collected: 01/22/15 10:15

Matrix: Ground Water

Date Received: 01/23/15 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	222699	01/24/15 22:59	NC	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	223783	01/30/15 05:33	GWM	TAL NSH

TestAmerica Nashville

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 210 NE 45th Street, Seattle

TestAmerica Job ID: 490-71064-1
 SDG: SAP#120877 / 060493

Client Sample ID: GW-060493-012215-CP-VP-4

Lab Sample ID: 490-71064-9

Date Collected: 01/22/15 10:15

Matrix: Ground Water

Date Received: 01/23/15 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			1065 mL	1 mL	222682	01/24/15 10:54	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1065 mL	1 mL	224298	01/30/15 17:32	GMH	TAL NSH

Client Sample ID: GW-060493-012215-CP-VP-5

Lab Sample ID: 490-71064-10

Date Collected: 01/22/15 10:47

Matrix: Ground Water

Date Received: 01/23/15 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	222699	01/24/15 23:25	NC	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	223783	01/30/15 06:02	GWM	TAL NSH
Total/NA	Prep	3510C			1065 mL	1 mL	222682	01/24/15 10:54	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1065 mL	1 mL	224298	01/30/15 18:01	GMH	TAL NSH

Client Sample ID: GW-060493-012215-CP-VP-6

Lab Sample ID: 490-71064-11

Date Collected: 01/22/15 08:31

Matrix: Ground Water

Date Received: 01/23/15 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	222699	01/24/15 23:51	NC	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	223783	01/30/15 06:32	GWM	TAL NSH
Total/NA	Prep	3510C			1065 mL	1 mL	222682	01/24/15 10:54	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1065 mL	1 mL	224298	01/30/15 18:59	GMH	TAL NSH

Client Sample ID: GW-060493-012215-CP-VP-7

Lab Sample ID: 490-71064-12

Date Collected: 01/22/15 09:04

Matrix: Ground Water

Date Received: 01/23/15 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	222699	01/25/15 00:17	NC	TAL NSH
Total/NA	Analysis	NWTPH-Gx		10	5 mL	5 mL	223783	01/30/15 07:02	GWM	TAL NSH
Total/NA	Prep	3510C			1065 mL	1 mL	222682	01/24/15 10:54	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1065 mL	1 mL	224298	01/30/15 19:14	GMH	TAL NSH

Client Sample ID: GW-060493-012215-CP-VP-8

Lab Sample ID: 490-71064-13

Date Collected: 01/22/15 11:20

Matrix: Ground Water

Date Received: 01/23/15 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	222699	01/25/15 00:43	NC	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	223783	01/30/15 07:32	GWM	TAL NSH
Total/NA	Prep	3510C			1065 mL	1 mL	222682	01/24/15 10:54	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1065 mL	1 mL	224298	01/30/15 19:28	GMH	TAL NSH

TestAmerica Nashville

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th Street, Seattle

TestAmerica Job ID: 490-71064-1
SDG: SAP#120877 / 060493

Laboratory References:

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

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Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th Street, Seattle

TestAmerica Job ID: 490-71064-1
SDG: SAP#120877 / 060493

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC)	NWTPH	TAL NSH
NWTPH-Dx	Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup	NWTPH	TAL NSH

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



Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th Street, Seattle

TestAmerica Job ID: 490-71064-1
SDG: SAP#120877 / 060493

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	07-19-15

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13



COOLER RECEIPT FORM 490-71064 Chain of Custody

Cooler Received/Opened On: 1/23/2015 @0840

- 1. Tracking # 1531 (last 4 digits, FedEx)
- Courier: Fed-Ex IR Gun ID: 14740456
- 2. Temperature of rep. sample or temp blank when opened: 3.1 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) JA
- 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
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) JA
- 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) JA
- 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) JA
- I certify that I attached a label with the unique LIMS number to each container (initial) JA
- 21. Were there Non-Conformance issues at login? YES... NO Was a NCM generated? YES... NO...# _____



COOLER RECEIPT FORM

TAN 71064

Cooler Received/Opened On: 1/23/2015 @0840

1. Tracking # 1520 (last 4 digits, FedEx)
- Courier: Fed-Ex IR Gun ID: 14740456 3.2 Degrees Celsius
2. Temperature of rep. sample or temp blank when opened: 3.2 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) JD
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
- 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) JD
- 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) JD
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) JD
I certify that I attached a label with the unique LIMS number to each container (initial) JD
21. Were there Non-Conformance issues at login? YES... NO Was a NCM generated? YES... NO...# _____

TAN 71064

COOLER RECEIPT FORM

Cooler Received/Opened On 1/23/2015 @ 0840

1. Tracking # 1542 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 12080142

2. Temperature of rep. sample or temp blank when opened: 5.3 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 DA-23-15

If yes, how many and where: _____

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) DA

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

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) CA

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) Ch

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) CP

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

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

LAB (LOCATION)
 CALSCE ()
 SPL Houston ()
 XENICO ()
 TEST AMERICA ()
 OTHER ()

LAB (LOCATION)
 ENV. SERVICES
 MOTIVA RETAIL
 CONSULTANT
 OTHER

Shell Oil Products Chain Of Custody Record

Print Bill To Contact Name: Michael Q Lam - 060493.2011.05
 DATE: 1/21/15
 PAGE: 1 of 2

INCIDENT # (ENV. SERVICES): 9 1 8 8 0 6 2 2
 SAMP. USE ONLY

STATE: WA
 PHONE NO.: 425-463-5500
 E-MAIL: Shell-US-LabDataManagement@CRAworld.com

CONSULTANT PROJECT NO.: 150121-CP

Site Address: 210 NE 45th Street, Seattle
 PO #
 STATE: WA
 PHONE NO.: 425-463-5500
 E-MAIL: Shell-US-LabDataManagement@CRAworld.com

LABORATORY COMPANY: Blaine Tech Services
 ADDRESS: 20735 Belshaw Avenue, Carson, CA 90746
 PROJECT CONTACT (Emergency or POC Report): Bart Gebbie
 TELEPHONE: (310) 885-4455 x 103
 FAX: (310) 637-5802
 E-MAIL: bgebbie@blainetech.com

TURNAROUND TIME (CALENDAR DAYS):
 STANDARD (4 DAY) 15 DAYS 30 DAYS 45 DAYS 60 DAYS

RESULTS NEEDED ON WEEKEND:

REQUESTED ANALYSIS

LOC: 490
 71064

TEMPERATURE ON RECEIPT C°
 31, 38, 513

Container PID Readings or Laboratory Notes

SAMPLE ID	PROJECT NUMBER	DATE (MM/DD/YY)	WELL ID	SAMPLER INITIALS	TIME	PRESERVATIVE				NO. OF CONT.
						HCL	HN03	H2SO4	OTHER	
1	GW-060493	01/21/15	MW-1	EF	1043	X				8
2	GW-060493	01/21/15	MW-2	OP	1337	X				8
3	GW-060493	01/21/15	MW-3	OP	1113	X				8
4	GW-060493	01/21/15	MW-6	OP	1411	X				8
5	GW-060493	01/22/15	MW-8	OP	0948	X				8
6	GW-060493	01/21/15	VP-1	OP	1147	X				8
7	GW-060493	01/21/15	VP-2	OP	1240	X				8
8	GW-060493	01/21/15	VP-3	OP	1307	X				8
9	GW-060493	01/22/15	VP-4	OP	1015	X				8
10	GW-060493	01/22/15	VP-5	OP	1049	X				8

Matrix Codes - WG (groundwater), WS (surface water), WP (drinking water source), W (Tap or Temp Blank)

Matrix: MW6, MW6, MW6, MW6, MW6, MW6, MW6, MW6, MW6, MW6

Received by (Signature): *Craig Peter*
 Date: 1/22/15

Received by (Signature): *[Signature]*
 Date: 1-23-15

Received by (Signature): *[Signature]*
 Date:

Shipped via FedEx

LAB (LOCATION)

CALSCIENCE ()
 SPL Houston ()
 XENCO ()
 TEST AMERICA ()
 OTHER ()

ENV. SERVICES
 MOTIVA RETAIL
 CONSULTANT
 OTHER

Shell Oil Products Chain Of Custody Record

CHECK IF NO INCIDENT # APPLIES
 DATE: 1/21/15
 PAGE: 2 of 2

INCIDENT # (ENV SERVICES): 9 1 8 8 0 6 2 2
 SAP # 1 2 0 8 7 7
 SITE ADDRESS: Street and City: 210 NE 45th Street, Seattle WA
 PHONE NO: 425-563-6500
 CONSULTANT PROJECT NO: 150121-091
 SHELL US LabDataManagement@CRAworld.com
 SAMPLE NAME(S) (FAC): Craig Peters

SPECIAL INSTRUCTIONS OR NOTES:
 1) Please upload the "CRA EQUIS 4-file EDD" to the CRA Website (http://craupload.croworld.com/equis/default.aspx) and/or send it to the Shell-US-LabDataManagement@CRAworld.com email folder. 2) Please indicate that you have uploaded the EDD by including "EDD Uploaded to CRA website" in the body of the email used to deliver the final PDF report to the Shell-US-LabDataManagement@CRAworld.com email folder.
 Turnaround Time (CALENDAR DAYS): STANDARD (14 DAY) 3 DAYS 24 HOURS
 RESULTS NEEDED ON WERGRID: LA - RWQCB REPORT FORMAT JUST AGENCY:

Matrix Codes - WG (groundwater), WS (surface water), WP (drinking water source), W (Trip or Temp Blank)
 NO. OF CONT. 8
 HCL HNO3 H2SO4 NONE OTHER
 MATRIX
 TIME
 WELLS
 DATE (MM/DD/YY)
 SAMPLE INITIALS
 PROJECT NUMBER
 PROJECT NUMBER
 DATE (MM/DD/YY)
 SAMPLE INITIALS
 PROJECT NUMBER
 DATE (MM/DD/YY)
 SAMPLE INITIALS
 PROJECT NUMBER
 DATE (MM/DD/YY)
 SAMPLE INITIALS

PROJECT NUMBER	DATE (MM/DD/YY)	SAMPLER INITIALS	WELL ID	TIME	MATRIX	PRESERVATIVE	HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.
060493	01/22/15	CP	VP-6	0831	WG		X					8
060493	01/22/15	CP	VP-7	0904	WG		X					8
060493	01/22/15	CP	VP-8	1120	WG		X					8

Requested Analysis:
 Loc: 490
 71064
 TEMPERATURE ON RECEIPT C°
 31.3, 3.5, 3.3
 Container PID Readings or Laboratory Notes

Received by (Signature): Craig Peters
 Date: 1/22/15
 Received by (Signature): [Signature]
 Date: 1-23-15
 Received by (Signature): [Signature]
 Date: 1-23-15

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 490-71064-1
SDG Number: SAP#120877 / 060493

Login Number: 71064

List Number: 1

Creator: Huckaba, Jimmy

List Source: TestAmerica Nashville

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.	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 Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-81648-1
TestAmerica Sample Delivery Group: SAP#120877/060493
Client Project/Site: 210 NE 45th Street, Seattle, WA

For:
GHD Services Inc.
20818 44th Ave W
Suite 190
Lynnwood, Washington 98036

Attn: Michael Lam

Roxanne L Connor

Authorized for release by:
7/13/2015 2:48:40 PM

Roxanne Connor, Senior Project Manager
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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-81648-1	GW-060493-062915-LB-MW-1	Ground Water	06/29/15 09:46	06/30/15 09:40
490-81648-2	GW-060493-062915-CP-MW-2	Ground Water	06/29/15 12:43	06/30/15 09:40
490-81648-3	GW-060493-062915-CP-MW-3	Ground Water	06/29/15 10:10	06/30/15 09:40
490-81648-4	GW-060493-062915-CP-MW-6	Ground Water	06/29/15 09:33	06/30/15 09:40
490-81648-5	GW-060493-062915-LB-MW-8	Ground Water	06/29/15 11:58	06/30/15 09:40
490-81648-6	GW-060493-062915-LB-VP-1	Ground Water	06/29/15 10:17	06/30/15 09:40
490-81648-7	GW-060493-062915-LB-VP-2	Ground Water	06/29/15 11:21	06/30/15 09:40
490-81648-8	GW-060493-062915-CP-VP-3	Ground Water	06/29/15 12:06	06/30/15 09:40
490-81648-9	GW-060493-062915-LB-VP-4	Ground Water	06/29/15 10:49	06/30/15 09:40
490-81648-10	GW-060493-062915-CP-VP-5	Ground Water	06/29/15 10:41	06/30/15 09:40
490-81648-11	GW-060493-062915-LB-VP-6	Ground Water	06/29/15 12:32	06/30/15 09:40
490-81648-12	GW-060493-062915-CP-VP-7	Ground Water	06/29/15 13:22	06/30/15 09:40
490-81648-13	GW-060493-062915-CP-VP-8	Ground Water	06/29/15 11:20	06/30/15 09:40

Case Narrative

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

Job ID: 490-81648-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative 490-81648-1

Comments

No additional comments.

Receipt

The samples were received on 6/30/2015 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 1.4° C, 3.2° C and 4.5° C.

GC/MS VOA

Method(s) 8260B: Surrogate recovery for the following samples was outside control limits: (490-81546-A-8 MS) and (490-81546-A-8 MSD). Evidence of matrix interference is present.

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

VOA Prep

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

Job ID: 490-81648-2

Laboratory: TestAmerica Nashville

Narrative

Job Narrative 490-81648-2

GC VOA

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

GC Semi VOA

Method(s) NWTPH-Dx: The following samples contained a hydrocarbon pattern that most closely resembles a Gasoline product used by the laboratory for quantitative purposes: GW-060493-062915-CP-MW-2 (490-81648-2) and GW-060493-062915-CP-MW-6 (490-81648-4), GW-060493-062915-LB-VP-6 (490-81648-11), GW-060493-062915-CP-VP-7 (490-81648-12) and (490-81648-H-11-A DU).

Method(s) NWTPH-Dx: The following sample contained a single peak(s) contaminant which does not match a typical Total Petroleum Hydrocarbon (TPH) pattern used by the laboratory for quantitative purposes: GW-060493-062915-CP-VP-8 (490-81648-13).

Method(s) NWTPH-Dx: The following samples contained a hydrocarbon pattern for analyte C10-C24 that most closely resembles a Diesel Fuel #2 product used by the laboratory for quantitative purposes: GW-060493-062915-LB-VP-1 (490-81648-6) and GW-060493-062915-LB-VP-2 (490-81648-7).

Method(s) NWTPH-Dx: The following sample contained a hydrocarbon pattern for analyte C10-C24 which does not match a typical Total Petroleum Hydrocarbon (TPH) pattern used by the laboratory for quantitative purposes: GW-060493-062915-CP-VP-3 (490-81648-8).

Method(s) NWTPH-Dx: There was insufficient contamination present for analyte C24-C40 to perform a pattern match for the following samples: GW-060493-062915-LB-VP-1 (490-81648-6) and GW-060493-062915-CP-VP-3 (490-81648-8).

Method(s) NWTPH-Dx: There was insufficient contamination present to perform a pattern match for the following sample: GW-060493-062915-LB-MW-1 (490-81648-1).

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.

Case Narrative

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

Job ID: 490-81648-2 (Continued)

Laboratory: TestAmerica Nashville (Continued)

VOA Prep

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

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Definitions/Glossary

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
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.
X	Surrogate is outside control limits
F1	MS and/or MSD Recovery is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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)

Client Sample Results

Client: GHD Services Inc.
 Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
 SDG: SAP#120877/060493

Client Sample ID: GW-060493-062915-LB-MW-1

Lab Sample ID: 490-81648-1

Date Collected: 06/29/15 09:46

Matrix: Ground Water

Date Received: 06/30/15 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			07/01/15 16:27	1
Ethylbenzene	ND		1.00		ug/L			07/01/15 16:27	1
Toluene	ND		1.00		ug/L			07/01/15 16:27	1
Xylenes, Total	ND		3.00		ug/L			07/01/15 16:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		07/01/15 16:27	1
Dibromofluoromethane (Surr)	98		70 - 130		07/01/15 16:27	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 130		07/01/15 16:27	1
Toluene-d8 (Surr)	98		70 - 130		07/01/15 16:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			07/01/15 14:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	77		50 - 150		07/01/15 14:42	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	103		93.0		ug/L		07/08/15 18:04	07/11/15 18:27	1
C24-C40	ND		93.0		ug/L		07/08/15 18:04	07/11/15 18:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	69		50 - 150	07/08/15 18:04	07/11/15 18:27	1

Client Sample Results

Client: GHD Services Inc.
 Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
 SDG: SAP#120877/060493

Client Sample ID: GW-060493-062915-CP-MW-2

Lab Sample ID: 490-81648-2

Date Collected: 06/29/15 12:43

Matrix: Ground Water

Date Received: 06/30/15 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			07/01/15 16:55	1
Ethylbenzene	294		1.00		ug/L			07/01/15 16:55	1
Toluene	1.94		1.00		ug/L			07/01/15 16:55	1
Xylenes, Total	27.7		3.00		ug/L			07/01/15 16:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		07/01/15 16:55	1
Dibromofluoromethane (Surr)	96		70 - 130		07/01/15 16:55	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 130		07/01/15 16:55	1
Toluene-d8 (Surr)	96		70 - 130		07/01/15 16:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	2480		1000		ug/L			07/01/15 15:47	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	82		50 - 150		07/01/15 15:47	10

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	609		93.5		ug/L		07/08/15 18:04	07/11/15 19:02	1
C24-C40	ND		93.5		ug/L		07/08/15 18:04	07/11/15 19:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	63		50 - 150	07/08/15 18:04	07/11/15 19:02	1

Client Sample Results

Client: GHD Services Inc.
 Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
 SDG: SAP#120877/060493

Client Sample ID: GW-060493-062915-CP-MW-3

Lab Sample ID: 490-81648-3

Date Collected: 06/29/15 10:10

Matrix: Ground Water

Date Received: 06/30/15 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			07/01/15 17:22	1
Ethylbenzene	ND		1.00		ug/L			07/01/15 17:22	1
Toluene	ND		1.00		ug/L			07/01/15 17:22	1
Xylenes, Total	ND		3.00		ug/L			07/01/15 17:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130		07/01/15 17:22	1
Dibromofluoromethane (Surr)	101		70 - 130		07/01/15 17:22	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 130		07/01/15 17:22	1
Toluene-d8 (Surr)	98		70 - 130		07/01/15 17:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			07/01/15 16:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	79		50 - 150		07/01/15 16:19	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	ND		93.0		ug/L		07/08/15 18:04	07/11/15 19:20	1
C24-C40	ND		93.0		ug/L		07/08/15 18:04	07/11/15 19:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	64		50 - 150	07/08/15 18:04	07/11/15 19:20	1

Client Sample Results

Client: GHD Services Inc.
 Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
 SDG: SAP#120877/060493

Client Sample ID: GW-060493-062915-CP-MW-6

Lab Sample ID: 490-81648-4

Date Collected: 06/29/15 09:33

Matrix: Ground Water

Date Received: 06/30/15 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	148		1.00		ug/L			07/01/15 17:50	1
Ethylbenzene	543		20.0		ug/L			07/02/15 11:58	20
Toluene	20.9		1.00		ug/L			07/01/15 17:50	1
Xylenes, Total	589		3.00		ug/L			07/01/15 17:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130		07/01/15 17:50	1
4-Bromofluorobenzene (Surr)	96		70 - 130		07/02/15 11:58	20
Dibromofluoromethane (Surr)	93		70 - 130		07/01/15 17:50	1
Dibromofluoromethane (Surr)	99		70 - 130		07/02/15 11:58	20
1,2-Dichloroethane-d4 (Surr)	104		70 - 130		07/01/15 17:50	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 130		07/02/15 11:58	20
Toluene-d8 (Surr)	97		70 - 130		07/01/15 17:50	1
Toluene-d8 (Surr)	99		70 - 130		07/02/15 11:58	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	9510		1000		ug/L			07/01/15 16:52	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	105		50 - 150		07/01/15 16:52	10

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	1210		186		ug/L		07/08/15 18:04	07/11/15 22:17	2
C24-C40	236		186		ug/L		07/08/15 18:04	07/11/15 22:17	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	64		50 - 150	07/08/15 18:04	07/11/15 22:17	2

Client Sample Results

Client: GHD Services Inc.
 Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
 SDG: SAP#120877/060493

Client Sample ID: GW-060493-062915-LB-MW-8

Lab Sample ID: 490-81648-5

Date Collected: 06/29/15 11:58

Matrix: Ground Water

Date Received: 06/30/15 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			07/01/15 18:17	1
Ethylbenzene	ND		1.00		ug/L			07/01/15 18:17	1
Toluene	ND		1.00		ug/L			07/01/15 18:17	1
Xylenes, Total	ND		3.00		ug/L			07/01/15 18:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		07/01/15 18:17	1
Dibromofluoromethane (Surr)	101		70 - 130		07/01/15 18:17	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 130		07/01/15 18:17	1
Toluene-d8 (Surr)	99		70 - 130		07/01/15 18:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			07/01/15 17:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	78		50 - 150		07/01/15 17:24	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	ND		93.0		ug/L		07/08/15 18:04	07/11/15 19:38	1
C24-C40	ND		93.0		ug/L		07/08/15 18:04	07/11/15 19:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	69		50 - 150	07/08/15 18:04	07/11/15 19:38	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

Client Sample ID: GW-060493-062915-LB-VP-1

Lab Sample ID: 490-81648-6

Date Collected: 06/29/15 10:17

Matrix: Ground Water

Date Received: 06/30/15 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			07/01/15 18:44	1
Ethylbenzene	ND		1.00		ug/L			07/01/15 18:44	1
Toluene	ND		1.00		ug/L			07/01/15 18:44	1
Xylenes, Total	ND		3.00		ug/L			07/01/15 18:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		07/01/15 18:44	1
Dibromofluoromethane (Surr)	100		70 - 130		07/01/15 18:44	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 130		07/01/15 18:44	1
Toluene-d8 (Surr)	98		70 - 130		07/01/15 18:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			07/01/15 17:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	78		50 - 150		07/01/15 17:57	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	837		93.0		ug/L		07/08/15 18:04	07/11/15 19:56	1
C24-C40	122		93.0		ug/L		07/08/15 18:04	07/11/15 19:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	51		50 - 150	07/08/15 18:04	07/11/15 19:56	1

Client Sample Results

Client: GHD Services Inc.
 Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
 SDG: SAP#120877/060493

Client Sample ID: GW-060493-062915-LB-VP-2

Lab Sample ID: 490-81648-7

Date Collected: 06/29/15 11:21

Matrix: Ground Water

Date Received: 06/30/15 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			07/01/15 19:12	1
Ethylbenzene	ND		1.00		ug/L			07/01/15 19:12	1
Toluene	ND		1.00		ug/L			07/01/15 19:12	1
Xylenes, Total	ND		3.00		ug/L			07/01/15 19:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130		07/01/15 19:12	1
Dibromofluoromethane (Surr)	101		70 - 130		07/01/15 19:12	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 130		07/01/15 19:12	1
Toluene-d8 (Surr)	99		70 - 130		07/01/15 19:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			07/01/15 18:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	78		50 - 150		07/01/15 18:29	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	6290		186		ug/L		07/08/15 18:04	07/11/15 22:35	2
C24-C40	808		186		ug/L		07/08/15 18:04	07/11/15 22:35	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	55		50 - 150	07/08/15 18:04	07/11/15 22:35	2

Client Sample Results

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

Client Sample ID: GW-060493-062915-CP-VP-3

Lab Sample ID: 490-81648-8

Date Collected: 06/29/15 12:06

Matrix: Ground Water

Date Received: 06/30/15 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	17.6		1.00		ug/L			07/01/15 19:39	1
Ethylbenzene	1.72		1.00		ug/L			07/01/15 19:39	1
Toluene	ND		1.00		ug/L			07/01/15 19:39	1
Xylenes, Total	ND		3.00		ug/L			07/01/15 19:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130		07/01/15 19:39	1
Dibromofluoromethane (Surr)	102		70 - 130		07/01/15 19:39	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 130		07/01/15 19:39	1
Toluene-d8 (Surr)	99		70 - 130		07/01/15 19:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	868		500		ug/L			07/01/15 19:01	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	80		50 - 150		07/01/15 19:01	5

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	2040		94.3		ug/L		07/08/15 18:04	07/11/15 20:14	1
C24-C40	111		94.3		ug/L		07/08/15 18:04	07/11/15 20:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	59		50 - 150	07/08/15 18:04	07/11/15 20:14	1

Client Sample Results

Client: GHD Services Inc.
 Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
 SDG: SAP#120877/060493

Client Sample ID: GW-060493-062915-LB-VP-4

Lab Sample ID: 490-81648-9

Date Collected: 06/29/15 10:49

Matrix: Ground Water

Date Received: 06/30/15 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			07/01/15 20:07	1
Ethylbenzene	ND		1.00		ug/L			07/01/15 20:07	1
Toluene	ND		1.00		ug/L			07/01/15 20:07	1
Xylenes, Total	ND		3.00		ug/L			07/01/15 20:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		07/01/15 20:07	1
Dibromofluoromethane (Surr)	103		70 - 130		07/01/15 20:07	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 130		07/01/15 20:07	1
Toluene-d8 (Surr)	99		70 - 130		07/01/15 20:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			07/01/15 19:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	77		50 - 150		07/01/15 19:34	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	ND		93.0		ug/L		07/08/15 18:04	07/11/15 21:07	1
C24-C40	ND		93.0		ug/L		07/08/15 18:04	07/11/15 21:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	75		50 - 150	07/08/15 18:04	07/11/15 21:07	1

Client Sample Results

Client: GHD Services Inc.
 Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
 SDG: SAP#120877/060493

Client Sample ID: GW-060493-062915-CP-VP-5

Lab Sample ID: 490-81648-10

Date Collected: 06/29/15 10:41

Matrix: Ground Water

Date Received: 06/30/15 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			07/01/15 20:34	1
Ethylbenzene	ND		1.00		ug/L			07/01/15 20:34	1
Toluene	ND		1.00		ug/L			07/01/15 20:34	1
Xylenes, Total	ND		3.00		ug/L			07/01/15 20:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		07/01/15 20:34	1
Dibromofluoromethane (Surr)	101		70 - 130		07/01/15 20:34	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 130		07/01/15 20:34	1
Toluene-d8 (Surr)	96		70 - 130		07/01/15 20:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			07/01/15 20:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	75		50 - 150		07/01/15 20:06	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	ND		93.0		ug/L		07/08/15 18:04	07/11/15 21:25	1
C24-C40	ND		93.0		ug/L		07/08/15 18:04	07/11/15 21:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	68		50 - 150	07/08/15 18:04	07/11/15 21:25	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

Client Sample ID: GW-060493-062915-LB-VP-6

Lab Sample ID: 490-81648-11

Date Collected: 06/29/15 12:32

Matrix: Ground Water

Date Received: 06/30/15 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			07/01/15 21:17	1
Ethylbenzene	ND		1.00		ug/L			07/01/15 21:17	1
Toluene	ND		1.00		ug/L			07/01/15 21:17	1
Xylenes, Total	ND		3.00		ug/L			07/01/15 21:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		07/01/15 21:17	1
Dibromofluoromethane (Surr)	99		70 - 130		07/01/15 21:17	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 130		07/01/15 21:17	1
Toluene-d8 (Surr)	100		70 - 130		07/01/15 21:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	242		100		ug/L			07/01/15 18:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	67		50 - 150		07/01/15 18:32	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	179		93.5		ug/L		07/02/15 06:18	07/05/15 12:11	1
C24-C40	ND		93.5		ug/L		07/02/15 06:18	07/05/15 12:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	80		50 - 150	07/02/15 06:18	07/05/15 12:11	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

Client Sample ID: GW-060493-062915-CP-VP-7

Lab Sample ID: 490-81648-12

Date Collected: 06/29/15 13:22

Matrix: Ground Water

Date Received: 06/30/15 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1820		25.0		ug/L			07/02/15 19:27	25
Ethylbenzene	339		25.0		ug/L			07/02/15 19:27	25
Toluene	568		25.0		ug/L			07/02/15 19:27	25
Xylenes, Total	2180		75.0		ug/L			07/02/15 19:27	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130		07/02/15 19:27	25
Dibromofluoromethane (Surr)	100		70 - 130		07/02/15 19:27	25
1,2-Dichloroethane-d4 (Surr)	98		70 - 130		07/02/15 19:27	25
Toluene-d8 (Surr)	97		70 - 130		07/02/15 19:27	25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	580000		250000		ug/L			07/02/15 21:25	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	75		50 - 150		07/02/15 21:25	50

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	2530		93.5		ug/L		07/02/15 06:18	07/05/15 12:45	1
C24-C40	ND		93.5		ug/L		07/02/15 06:18	07/05/15 12:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	89		50 - 150	07/02/15 06:18	07/05/15 12:45	1

Client Sample Results

Client: GHD Services Inc.
 Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
 SDG: SAP#120877/060493

Client Sample ID: GW-060493-062915-CP-VP-8

Lab Sample ID: 490-81648-13

Date Collected: 06/29/15 11:20

Matrix: Ground Water

Date Received: 06/30/15 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			07/01/15 22:18	1
Ethylbenzene	ND		1.00		ug/L			07/01/15 22:18	1
Toluene	ND		1.00		ug/L			07/01/15 22:18	1
Xylenes, Total	ND		3.00		ug/L			07/01/15 22:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		07/01/15 22:18	1
Dibromofluoromethane (Surr)	92		70 - 130		07/01/15 22:18	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 130		07/01/15 22:18	1
Toluene-d8 (Surr)	98		70 - 130		07/01/15 22:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			07/02/15 00:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	73		50 - 150		07/02/15 00:08	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	1200		93.5		ug/L		07/02/15 06:18	07/05/15 13:02	1
C24-C40	211		93.5		ug/L		07/02/15 06:18	07/05/15 13:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	97		50 - 150	07/02/15 06:18	07/05/15 13:02	1

QC Sample Results

Client: GHD Services Inc.
 Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
 SDG: SAP#120877/060493

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 490-261029/6
Matrix: Water
Analysis Batch: 261029

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			07/01/15 13:01	1
Ethylbenzene	ND		1.00		ug/L			07/01/15 13:01	1
Toluene	ND		1.00		ug/L			07/01/15 13:01	1
Xylenes, Total	ND		3.00		ug/L			07/01/15 13:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130		07/01/15 13:01	1
Dibromofluoromethane (Surr)	102		70 - 130		07/01/15 13:01	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 130		07/01/15 13:01	1
Toluene-d8 (Surr)	98		70 - 130		07/01/15 13:01	1

Lab Sample ID: LCS 490-261029/4
Matrix: Water
Analysis Batch: 261029

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	55.87		ug/L		112	80 - 121
Ethylbenzene	50.0	58.44		ug/L		117	80 - 130
Toluene	50.0	58.31		ug/L		117	80 - 126
Xylenes, Total	100	122.6		ug/L		123	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
Dibromofluoromethane (Surr)	98		70 - 130
1,2-Dichloroethane-d4 (Surr)	90		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: 490-81546-A-8 MS
Matrix: Water
Analysis Batch: 261029

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	531	E	50.0	520.9	E 4	ug/L		-21	75 - 133
Ethylbenzene	5.55		50.0	71.55		ug/L		132	79 - 139
Toluene	1.88	F1	50.0	76.39	F1	ug/L		149	75 - 136
Xylenes, Total	11.1	F1	100	155.7	F1	ug/L		145	74 - 141

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
Dibromofluoromethane (Surr)	92		70 - 130
1,2-Dichloroethane-d4 (Surr)	89		70 - 130
Toluene-d8 (Surr)	141	X	70 - 130

QC Sample Results

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

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

Lab Sample ID: 490-81546-A-8 MSD

Matrix: Water

Analysis Batch: 261029

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	531	E	50.0	505.8	E 4	ug/L		-51	75 - 133	3	17
Ethylbenzene	5.55		50.0	69.43		ug/L		128	79 - 139	3	15
Toluene	1.88	F1	50.0	74.26	F1	ug/L		145	75 - 136	3	15
Xylenes, Total	11.1	F1	100	151.6		ug/L		141	74 - 141	3	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
Dibromofluoromethane (Surr)	103		70 - 130
1,2-Dichloroethane-d4 (Surr)	88		70 - 130
Toluene-d8 (Surr)	143	X	70 - 130

Lab Sample ID: MB 490-261060/6

Matrix: Water

Analysis Batch: 261060

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			07/01/15 12:20	1
Ethylbenzene	ND		1.00		ug/L			07/01/15 12:20	1
Toluene	ND		1.00		ug/L			07/01/15 12:20	1
Xylenes, Total	ND		3.00		ug/L			07/01/15 12:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130		07/01/15 12:20	1
Dibromofluoromethane (Surr)	101		70 - 130		07/01/15 12:20	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 130		07/01/15 12:20	1
Toluene-d8 (Surr)	100		70 - 130		07/01/15 12:20	1

Lab Sample ID: LCS 490-261060/3

Matrix: Water

Analysis Batch: 261060

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	49.69		ug/L		99	80 - 121
Ethylbenzene	50.0	49.70		ug/L		99	80 - 130
Toluene	50.0	48.15		ug/L		96	80 - 126
Xylenes, Total	150	147.5		ug/L		98	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130
1,2-Dichloroethane-d4 (Surr)	99		70 - 130
Toluene-d8 (Surr)	98		70 - 130

TestAmerica Nashville

QC Sample Results

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

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

Lab Sample ID: LCSD 490-261060/4

Matrix: Water

Analysis Batch: 261060

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	50.0	50.11		ug/L		100	80 - 121	1	17
Ethylbenzene	50.0	51.47		ug/L		103	80 - 130	3	15
Toluene	50.0	49.47		ug/L		99	80 - 126	3	15
Xylenes, Total	150	150.9		ug/L		101	80 - 132	2	15

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130
1,2-Dichloroethane-d4 (Surr)	96		70 - 130
Toluene-d8 (Surr)	99		70 - 130

Lab Sample ID: 490-81648-1 MS

Matrix: Ground Water

Analysis Batch: 261060

Client Sample ID: GW-060493-062915-LB-MW-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		25.0	28.19		ug/L		113	75 - 133
Ethylbenzene	ND		25.0	28.05		ug/L		112	79 - 139
Toluene	ND		25.0	26.83		ug/L		107	75 - 136
Xylenes, Total	ND		75.0	83.49		ug/L		111	74 - 141

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130
1,2-Dichloroethane-d4 (Surr)	105		70 - 130
Toluene-d8 (Surr)	97		70 - 130

Lab Sample ID: 490-81648-1 MSD

Matrix: Ground Water

Analysis Batch: 261060

Client Sample ID: GW-060493-062915-LB-MW-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		25.0	29.71		ug/L		119	75 - 133	5	17
Ethylbenzene	ND		25.0	29.76		ug/L		119	79 - 139	6	15
Toluene	ND		25.0	28.13		ug/L		113	75 - 136	5	15
Xylenes, Total	ND		75.0	87.60		ug/L		117	74 - 141	5	15

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
Dibromofluoromethane (Surr)	102		70 - 130
1,2-Dichloroethane-d4 (Surr)	99		70 - 130
Toluene-d8 (Surr)	97		70 - 130

QC Sample Results

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

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

Lab Sample ID: MB 490-261409/6
Matrix: Water
Analysis Batch: 261409

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			07/02/15 11:31	1
Ethylbenzene	ND		1.00		ug/L			07/02/15 11:31	1
Toluene	ND		1.00		ug/L			07/02/15 11:31	1
Xylenes, Total	ND		3.00		ug/L			07/02/15 11:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		07/02/15 11:31	1
Dibromofluoromethane (Surr)	101		70 - 130		07/02/15 11:31	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 130		07/02/15 11:31	1
Toluene-d8 (Surr)	99		70 - 130		07/02/15 11:31	1

Lab Sample ID: LCS 490-261409/3
Matrix: Water
Analysis Batch: 261409

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	49.54		ug/L		99	80 - 121
Ethylbenzene	50.0	49.92		ug/L		100	80 - 130
Toluene	50.0	48.00		ug/L		96	80 - 126
Xylenes, Total	150	146.9		ug/L		98	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
Dibromofluoromethane (Surr)	98		70 - 130
1,2-Dichloroethane-d4 (Surr)	98		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Lab Sample ID: LCSD 490-261409/4
Matrix: Water
Analysis Batch: 261409

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	50.0	49.17		ug/L		98	80 - 121	1	17
Ethylbenzene	50.0	49.68		ug/L		99	80 - 130	0	15
Toluene	50.0	47.90		ug/L		96	80 - 126	0	15
Xylenes, Total	150	146.3		ug/L		98	80 - 132	0	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130
1,2-Dichloroethane-d4 (Surr)	98		70 - 130
Toluene-d8 (Surr)	99		70 - 130

QC Sample Results

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

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

Lab Sample ID: 490-81724-B-1 MS

Matrix: Water

Analysis Batch: 261409

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
Benzene	ND		50.0	52.35		ug/L		105	75 - 133
Ethylbenzene	ND		50.0	54.39		ug/L		109	79 - 139
Toluene	ND		50.0	51.09		ug/L		102	75 - 136
Xylenes, Total	ND		150	157.8		ug/L		105	74 - 141

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	99		70 - 130
Dibromofluoromethane (Surr)	99		70 - 130
1,2-Dichloroethane-d4 (Surr)	96		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Lab Sample ID: 490-81724-C-1 MSD

Matrix: Water

Analysis Batch: 261409

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Benzene	ND		50.0	53.98		ug/L		108	75 - 133	3		17
Ethylbenzene	ND		50.0	53.92		ug/L		108	79 - 139	1		15
Toluene	ND		50.0	51.13		ug/L		102	75 - 136	0		15
Xylenes, Total	ND		150	156.7		ug/L		104	74 - 141	1		15

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	99		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130
1,2-Dichloroethane-d4 (Surr)	99		70 - 130
Toluene-d8 (Surr)	96		70 - 130

Lab Sample ID: MB 490-261452/6

Matrix: Water

Analysis Batch: 261452

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
	Result	Qualifier								
Benzene	ND		1.00		ug/L			07/02/15 13:10		1
Ethylbenzene	ND		1.00		ug/L			07/02/15 13:10		1
Toluene	ND		1.00		ug/L			07/02/15 13:10		1
Xylenes, Total	ND		3.00		ug/L			07/02/15 13:10		1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil	Fac
	%Recovery	Qualifier					
4-Bromofluorobenzene (Surr)	96		70 - 130		07/02/15 13:10		1
Dibromofluoromethane (Surr)	100		70 - 130		07/02/15 13:10		1
1,2-Dichloroethane-d4 (Surr)	96		70 - 130		07/02/15 13:10		1
Toluene-d8 (Surr)	100		70 - 130		07/02/15 13:10		1

TestAmerica Nashville

QC Sample Results

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

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

Lab Sample ID: LCS 490-261452/3

Matrix: Water

Analysis Batch: 261452

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	49.69		ug/L		99	80 - 121
Ethylbenzene	50.0	52.53		ug/L		105	80 - 130
Toluene	50.0	52.46		ug/L		105	80 - 126
Xylenes, Total	100	109.4		ug/L		109	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
Dibromofluoromethane (Surr)	99		70 - 130
1,2-Dichloroethane-d4 (Surr)	91		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: LCSD 490-261452/4

Matrix: Water

Analysis Batch: 261452

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	50.0	48.78		ug/L		98	80 - 121	2	17
Ethylbenzene	50.0	52.09		ug/L		104	80 - 130	1	15
Toluene	50.0	51.83		ug/L		104	80 - 126	1	15
Xylenes, Total	100	110.1		ug/L		110	80 - 132	1	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130
1,2-Dichloroethane-d4 (Surr)	91		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: 490-81707-B-1 MS

Matrix: Water

Analysis Batch: 261452

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		50.0	54.24		ug/L		108	75 - 133
Ethylbenzene	ND		50.0	60.09		ug/L		120	79 - 139
Toluene	ND		50.0	58.50		ug/L		117	75 - 136
Xylenes, Total	ND		100	127.8		ug/L		128	74 - 141

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
Dibromofluoromethane (Surr)	89		70 - 130
1,2-Dichloroethane-d4 (Surr)	91		70 - 130
Toluene-d8 (Surr)	102		70 - 130

QC Sample Results

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

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

Lab Sample ID: 490-81707-C-1 MSD

Matrix: Water

Analysis Batch: 261452

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		50.0	48.51		ug/L		97	75 - 133	11	17
Ethylbenzene	ND		50.0	52.97		ug/L		106	79 - 139	13	15
Toluene	ND		50.0	51.58		ug/L		103	75 - 136	13	15
Xylenes, Total	ND		100	111.9		ug/L		112	74 - 141	13	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
Dibromofluoromethane (Surr)	96		70 - 130
1,2-Dichloroethane-d4 (Surr)	93		70 - 130
Toluene-d8 (Surr)	103		70 - 130

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

Lab Sample ID: MB 490-261130/6

Matrix: Water

Analysis Batch: 261130

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			07/01/15 14:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	77		50 - 150		07/01/15 14:10	1

Lab Sample ID: LCS 490-261130/4

Matrix: Water

Analysis Batch: 261130

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C12	1000	992.1		ug/L		99	39 - 143

Surrogate	LCS %Recovery	LCS Qualifier	Limits
a,a,a-Trifluorotoluene	110		50 - 150

Lab Sample ID: LCSD 490-261130/5

Matrix: Water

Analysis Batch: 261130

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
C6-C12	1000	961.2		ug/L		96	39 - 143	3	18

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
a,a,a-Trifluorotoluene	111		50 - 150

TestAmerica Nashville

QC Sample Results

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

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

Lab Sample ID: 490-81648-1 DU

Matrix: Ground Water

Analysis Batch: 261130

Client Sample ID: GW-060493-062915-LB-MW-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
C6-C12	ND		ND		ug/L		NC	18
Surrogate	%Recovery	DU Qualifier	Limits					
a,a,a-Trifluorotoluene	79		50 - 150					

Lab Sample ID: MB 490-261140/7

Matrix: Water

Analysis Batch: 261140

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			07/01/15 16:01	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	76		50 - 150					07/01/15 16:01	1

Lab Sample ID: LCS 490-261140/4

Matrix: Water

Analysis Batch: 261140

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C12	1000	980.9		ug/L		98	39 - 143
Surrogate	%Recovery	LCS Qualifier	Limits				
a,a,a-Trifluorotoluene	62		50 - 150				

Lab Sample ID: LCSD 490-261140/5

Matrix: Water

Analysis Batch: 261140

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
C6-C12	1000	971.9		ug/L		97	39 - 143	1	18
Surrogate	%Recovery	LCSD Qualifier	Limits						
a,a,a-Trifluorotoluene	60		50 - 150						

Lab Sample ID: 490-81648-11 MS

Matrix: Ground Water

Analysis Batch: 261140

Client Sample ID: GW-060493-062915-LB-VP-6

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C12	242		1000	1250		ug/L		101	39 - 143
Surrogate	%Recovery	MS Qualifier	Limits						
a,a,a-Trifluorotoluene	60		50 - 150						

TestAmerica Nashville

QC Sample Results

Client: GHD Services Inc.
 Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
 SDG: SAP#120877/060493

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

Lab Sample ID: MB 490-261430/7
Matrix: Water
Analysis Batch: 261430

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		5000		ug/L			07/02/15 14:10	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac	
a,a,a-Trifluorotoluene	75		50 - 150				07/02/15 14:10	1	

Lab Sample ID: LCS 490-261430/4
Matrix: Water
Analysis Batch: 261430

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C12	1000	1029		ug/L		103	39 - 143
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
a,a,a-Trifluorotoluene	58		50 - 150				

Lab Sample ID: LCSD 490-261430/5
Matrix: Water
Analysis Batch: 261430

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
C6-C12	1000	1059		ug/L		106	39 - 143	3	18
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
a,a,a-Trifluorotoluene	59		50 - 150						

Lab Sample ID: 490-81805-H-1 DU
Matrix: Water
Analysis Batch: 261430

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
C6-C12	ND		ND		ug/L		NC	18
Surrogate	DU %Recovery	DU Qualifier	Limits					
a,a,a-Trifluorotoluene	74		50 - 150					

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Lab Sample ID: MB 490-261371/1-A
Matrix: Water
Analysis Batch: 261964

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 261371

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	ND		100		ug/L		07/02/15 06:18	07/05/15 11:19	1
C24-C40	ND		100		ug/L		07/02/15 06:18	07/05/15 11:19	1

QC Sample Results

Client: GHD Services Inc.
 Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
 SDG: SAP#120877/060493

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup (Continued)

Lab Sample ID: MB 490-261371/1-A
Matrix: Water
Analysis Batch: 261964

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 261371

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	91		50 - 150	07/02/15 06:18	07/05/15 11:19	1

Lab Sample ID: LCS 490-261371/2-A
Matrix: Water
Analysis Batch: 261964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 261371

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
C10-C24	1000	975.9		ug/L		98	51 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
<i>o</i> -Terphenyl	89		50 - 150

Lab Sample ID: 490-81648-11 DU
Matrix: Ground Water
Analysis Batch: 261964

Client Sample ID: GW-060493-062915-LB-VP-6
Prep Type: Total/NA
Prep Batch: 261371

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
C10-C24	179		207.6		ug/L		15	41
C24-C40	ND		ND		ug/L		NC	41

Surrogate	DU %Recovery	DU Qualifier	Limits
<i>o</i> -Terphenyl	106		50 - 150

Lab Sample ID: MB 490-263024/1-A
Matrix: Water
Analysis Batch: 263940

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 263024

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	ND		100		ug/L		07/08/15 18:04	07/11/15 18:09	1
C24-C40	ND		100		ug/L		07/08/15 18:04	07/11/15 18:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	87		50 - 150	07/08/15 18:04	07/11/15 18:09	1

Lab Sample ID: LCS 490-263024/2-A
Matrix: Water
Analysis Batch: 263940

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 263024

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
C10-C24	1000	750.0		ug/L		75	51 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
<i>o</i> -Terphenyl	83		50 - 150

QC Sample Results

Client: GHD Services Inc.
 Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
 SDG: SAP#120877/060493

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup (Continued)

Lab Sample ID: 490-81648-1 DU
Matrix: Ground Water
Analysis Batch: 263940

Client Sample ID: GW-060493-062915-LB-MW-1
Prep Type: Total/NA
Prep Batch: 263024

Analyte	Sample	Sample	DU		Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
C10-C24	103		ND		ug/L		32	41
C24-C40	ND		ND		ug/L		NC	41
DU DU								
Surrogate	%Recovery	Qualifier	Limits					
<i>o-Terphenyl</i>	53		50 - 150					

Lab Sample ID: 490-81648-10 DU
Matrix: Ground Water
Analysis Batch: 263940

Client Sample ID: GW-060493-062915-CP-VP-5
Prep Type: Total/NA
Prep Batch: 263024

Analyte	Sample	Sample	DU		Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
C10-C24	ND		ND		ug/L		5	41
C24-C40	ND		ND		ug/L		NC	41
DU DU								
Surrogate	%Recovery	Qualifier	Limits					
<i>o-Terphenyl</i>	72		50 - 150					

QC Association Summary

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

GC/MS VOA

Analysis Batch: 261029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81546-A-8 MS	Matrix Spike	Total/NA	Water	8260B	
490-81546-A-8 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
490-81648-11	GW-060493-062915-LB-VP-6	Total/NA	Ground Water	8260B	
490-81648-13	GW-060493-062915-CP-VP-8	Total/NA	Ground Water	8260B	
LCS 490-261029/4	Lab Control Sample	Total/NA	Water	8260B	
MB 490-261029/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 261060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81648-1	GW-060493-062915-LB-MW-1	Total/NA	Ground Water	8260B	
490-81648-1 MS	GW-060493-062915-LB-MW-1	Total/NA	Ground Water	8260B	
490-81648-1 MSD	GW-060493-062915-LB-MW-1	Total/NA	Ground Water	8260B	
490-81648-2	GW-060493-062915-CP-MW-2	Total/NA	Ground Water	8260B	
490-81648-3	GW-060493-062915-CP-MW-3	Total/NA	Ground Water	8260B	
490-81648-4	GW-060493-062915-CP-MW-6	Total/NA	Ground Water	8260B	
490-81648-5	GW-060493-062915-LB-MW-8	Total/NA	Ground Water	8260B	
490-81648-6	GW-060493-062915-LB-VP-1	Total/NA	Ground Water	8260B	
490-81648-7	GW-060493-062915-LB-VP-2	Total/NA	Ground Water	8260B	
490-81648-8	GW-060493-062915-CP-VP-3	Total/NA	Ground Water	8260B	
490-81648-9	GW-060493-062915-LB-VP-4	Total/NA	Ground Water	8260B	
490-81648-10	GW-060493-062915-CP-VP-5	Total/NA	Ground Water	8260B	
LCS 490-261060/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-261060/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-261060/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 261409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81648-4	GW-060493-062915-CP-MW-6	Total/NA	Ground Water	8260B	
490-81724-B-1 MS	Matrix Spike	Total/NA	Water	8260B	
490-81724-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 490-261409/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-261409/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-261409/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 261452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81648-12	GW-060493-062915-CP-VP-7	Total/NA	Ground Water	8260B	
490-81707-B-1 MS	Matrix Spike	Total/NA	Water	8260B	
490-81707-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 490-261452/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-261452/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-261452/6	Method Blank	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 261130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81648-1	GW-060493-062915-LB-MW-1	Total/NA	Ground Water	NWTPH-Gx	
490-81648-1 DU	GW-060493-062915-LB-MW-1	Total/NA	Ground Water	NWTPH-Gx	
490-81648-2	GW-060493-062915-CP-MW-2	Total/NA	Ground Water	NWTPH-Gx	

TestAmerica Nashville

QC Association Summary

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

GC VOA (Continued)

Analysis Batch: 261130 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81648-3	GW-060493-062915-CP-MW-3	Total/NA	Ground Water	NWTPH-Gx	
490-81648-4	GW-060493-062915-CP-MW-6	Total/NA	Ground Water	NWTPH-Gx	
490-81648-5	GW-060493-062915-LB-MW-8	Total/NA	Ground Water	NWTPH-Gx	
490-81648-6	GW-060493-062915-LB-VP-1	Total/NA	Ground Water	NWTPH-Gx	
490-81648-7	GW-060493-062915-LB-VP-2	Total/NA	Ground Water	NWTPH-Gx	
490-81648-8	GW-060493-062915-CP-VP-3	Total/NA	Ground Water	NWTPH-Gx	
490-81648-9	GW-060493-062915-LB-VP-4	Total/NA	Ground Water	NWTPH-Gx	
490-81648-10	GW-060493-062915-CP-VP-5	Total/NA	Ground Water	NWTPH-Gx	
LCS 490-261130/4	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 490-261130/5	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	
MB 490-261130/6	Method Blank	Total/NA	Water	NWTPH-Gx	

Analysis Batch: 261140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81648-11	GW-060493-062915-LB-VP-6	Total/NA	Ground Water	NWTPH-Gx	
490-81648-11 MS	GW-060493-062915-LB-VP-6	Total/NA	Ground Water	NWTPH-Gx	
490-81648-13	GW-060493-062915-CP-VP-8	Total/NA	Ground Water	NWTPH-Gx	
LCS 490-261140/4	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 490-261140/5	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	
MB 490-261140/7	Method Blank	Total/NA	Water	NWTPH-Gx	

Analysis Batch: 261430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81648-12	GW-060493-062915-CP-VP-7	Total/NA	Ground Water	NWTPH-Gx	
490-81805-H-1 DU	Duplicate	Total/NA	Water	NWTPH-Gx	
LCS 490-261430/4	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 490-261430/5	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	
MB 490-261430/7	Method Blank	Total/NA	Water	NWTPH-Gx	

GC Semi VOA

Prep Batch: 261371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81648-11	GW-060493-062915-LB-VP-6	Total/NA	Ground Water	3510C	
490-81648-11 DU	GW-060493-062915-LB-VP-6	Total/NA	Ground Water	3510C	
490-81648-12	GW-060493-062915-CP-VP-7	Total/NA	Ground Water	3510C	
490-81648-13	GW-060493-062915-CP-VP-8	Total/NA	Ground Water	3510C	
LCS 490-261371/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 490-261371/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 261964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81648-11	GW-060493-062915-LB-VP-6	Total/NA	Ground Water	NWTPH-Dx	261371
490-81648-11 DU	GW-060493-062915-LB-VP-6	Total/NA	Ground Water	NWTPH-Dx	261371
490-81648-12	GW-060493-062915-CP-VP-7	Total/NA	Ground Water	NWTPH-Dx	261371
490-81648-13	GW-060493-062915-CP-VP-8	Total/NA	Ground Water	NWTPH-Dx	261371
LCS 490-261371/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	261371
MB 490-261371/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	261371

TestAmerica Nashville

QC Association Summary

Client: GHD Services Inc.
 Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
 SDG: SAP#120877/060493

GC Semi VOA (Continued)

Prep Batch: 263024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81648-1	GW-060493-062915-LB-MW-1	Total/NA	Ground Water	3510C	
490-81648-1 DU	GW-060493-062915-LB-MW-1	Total/NA	Ground Water	3510C	
490-81648-2	GW-060493-062915-CP-MW-2	Total/NA	Ground Water	3510C	
490-81648-3	GW-060493-062915-CP-MW-3	Total/NA	Ground Water	3510C	
490-81648-4	GW-060493-062915-CP-MW-6	Total/NA	Ground Water	3510C	
490-81648-5	GW-060493-062915-LB-MW-8	Total/NA	Ground Water	3510C	
490-81648-6	GW-060493-062915-LB-VP-1	Total/NA	Ground Water	3510C	
490-81648-7	GW-060493-062915-LB-VP-2	Total/NA	Ground Water	3510C	
490-81648-8	GW-060493-062915-CP-VP-3	Total/NA	Ground Water	3510C	
490-81648-9	GW-060493-062915-LB-VP-4	Total/NA	Ground Water	3510C	
490-81648-10	GW-060493-062915-CP-VP-5	Total/NA	Ground Water	3510C	
490-81648-10 DU	GW-060493-062915-CP-VP-5	Total/NA	Ground Water	3510C	
LCS 490-263024/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 490-263024/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 263940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81648-1	GW-060493-062915-LB-MW-1	Total/NA	Ground Water	NWTPH-Dx	263024
490-81648-1 DU	GW-060493-062915-LB-MW-1	Total/NA	Ground Water	NWTPH-Dx	263024
490-81648-2	GW-060493-062915-CP-MW-2	Total/NA	Ground Water	NWTPH-Dx	263024
490-81648-3	GW-060493-062915-CP-MW-3	Total/NA	Ground Water	NWTPH-Dx	263024
490-81648-4	GW-060493-062915-CP-MW-6	Total/NA	Ground Water	NWTPH-Dx	263024
490-81648-5	GW-060493-062915-LB-MW-8	Total/NA	Ground Water	NWTPH-Dx	263024
490-81648-6	GW-060493-062915-LB-VP-1	Total/NA	Ground Water	NWTPH-Dx	263024
490-81648-7	GW-060493-062915-LB-VP-2	Total/NA	Ground Water	NWTPH-Dx	263024
490-81648-8	GW-060493-062915-CP-VP-3	Total/NA	Ground Water	NWTPH-Dx	263024
490-81648-9	GW-060493-062915-LB-VP-4	Total/NA	Ground Water	NWTPH-Dx	263024
490-81648-10	GW-060493-062915-CP-VP-5	Total/NA	Ground Water	NWTPH-Dx	263024
490-81648-10 DU	GW-060493-062915-CP-VP-5	Total/NA	Ground Water	NWTPH-Dx	263024
LCS 490-263024/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	263024
MB 490-263024/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	263024

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

Client Sample ID: GW-060493-062915-LB-MW-1

Lab Sample ID: 490-81648-1

Date Collected: 06/29/15 09:46

Matrix: Ground Water

Date Received: 06/30/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	261060	07/01/15 16:27	SLM	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	261130	07/01/15 14:42	GWM	TAL NSH
Total/NA	Prep	3510C			1075 mL	1 mL	263024	07/08/15 18:04	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1075 mL	1 mL	263940	07/11/15 18:27	GMH	TAL NSH

Client Sample ID: GW-060493-062915-CP-MW-2

Lab Sample ID: 490-81648-2

Date Collected: 06/29/15 12:43

Matrix: Ground Water

Date Received: 06/30/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	261060	07/01/15 16:55	SLM	TAL NSH
Total/NA	Analysis	NWTPH-Gx		10	5 mL	5 mL	261130	07/01/15 15:47	GWM	TAL NSH
Total/NA	Prep	3510C			1070 mL	1 mL	263024	07/08/15 18:04	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1070 mL	1 mL	263940	07/11/15 19:02	GMH	TAL NSH

Client Sample ID: GW-060493-062915-CP-MW-3

Lab Sample ID: 490-81648-3

Date Collected: 06/29/15 10:10

Matrix: Ground Water

Date Received: 06/30/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	261060	07/01/15 17:22	SLM	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	261130	07/01/15 16:19	GWM	TAL NSH
Total/NA	Prep	3510C			1075 mL	1 mL	263024	07/08/15 18:04	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1075 mL	1 mL	263940	07/11/15 19:20	GMH	TAL NSH

Client Sample ID: GW-060493-062915-CP-MW-6

Lab Sample ID: 490-81648-4

Date Collected: 06/29/15 09:33

Matrix: Ground Water

Date Received: 06/30/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	261060	07/01/15 17:50	SLM	TAL NSH
Total/NA	Analysis	8260B		20	5 mL	5 mL	261409	07/02/15 11:58	SLM	TAL NSH
Total/NA	Analysis	NWTPH-Gx		10	5 mL	5 mL	261130	07/01/15 16:52	GWM	TAL NSH
Total/NA	Prep	3510C			1075 mL	1 mL	263024	07/08/15 18:04	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		2	1075 mL	1 mL	263940	07/11/15 22:17	GMH	TAL NSH

Client Sample ID: GW-060493-062915-LB-MW-8

Lab Sample ID: 490-81648-5

Date Collected: 06/29/15 11:58

Matrix: Ground Water

Date Received: 06/30/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	261060	07/01/15 18:17	SLM	TAL NSH

TestAmerica Nashville

Lab Chronicle

Client: GHD Services Inc.
 Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
 SDG: SAP#120877/060493

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	261130	07/01/15 17:24	GWM	TAL NSH
Total/NA	Prep	3510C			1075 mL	1 mL	263024	07/08/15 18:04	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1075 mL	1 mL	263940	07/11/15 19:38	GMH	TAL NSH

Client Sample ID: GW-060493-062915-LB-VP-1

Lab Sample ID: 490-81648-6

Date Collected: 06/29/15 10:17

Matrix: Ground Water

Date Received: 06/30/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	261060	07/01/15 18:44	SLM	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	261130	07/01/15 17:57	GWM	TAL NSH
Total/NA	Prep	3510C			1075 mL	1 mL	263024	07/08/15 18:04	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1075 mL	1 mL	263940	07/11/15 19:56	GMH	TAL NSH

Client Sample ID: GW-060493-062915-LB-VP-2

Lab Sample ID: 490-81648-7

Date Collected: 06/29/15 11:21

Matrix: Ground Water

Date Received: 06/30/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	261060	07/01/15 19:12	SLM	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	261130	07/01/15 18:29	GWM	TAL NSH
Total/NA	Prep	3510C			1075 mL	1 mL	263024	07/08/15 18:04	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		2	1075 mL	1 mL	263940	07/11/15 22:35	GMH	TAL NSH

Client Sample ID: GW-060493-062915-CP-VP-3

Lab Sample ID: 490-81648-8

Date Collected: 06/29/15 12:06

Matrix: Ground Water

Date Received: 06/30/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	261060	07/01/15 19:39	SLM	TAL NSH
Total/NA	Analysis	NWTPH-Gx		5	5 mL	5 mL	261130	07/01/15 19:01	GWM	TAL NSH
Total/NA	Prep	3510C			1060 mL	1 mL	263024	07/08/15 18:04	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1060 mL	1 mL	263940	07/11/15 20:14	GMH	TAL NSH

Client Sample ID: GW-060493-062915-LB-VP-4

Lab Sample ID: 490-81648-9

Date Collected: 06/29/15 10:49

Matrix: Ground Water

Date Received: 06/30/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	261060	07/01/15 20:07	SLM	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	261130	07/01/15 19:34	GWM	TAL NSH
Total/NA	Prep	3510C			1075 mL	1 mL	263024	07/08/15 18:04	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1075 mL	1 mL	263940	07/11/15 21:07	GMH	TAL NSH

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

Client Sample ID: GW-060493-062915-CP-VP-5

Lab Sample ID: 490-81648-10

Date Collected: 06/29/15 10:41

Matrix: Ground Water

Date Received: 06/30/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	261060	07/01/15 20:34	SLM	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	261130	07/01/15 20:06	GWM	TAL NSH
Total/NA	Prep	3510C			1075 mL	1 mL	263024	07/08/15 18:04	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1075 mL	1 mL	263940	07/11/15 21:25	GMH	TAL NSH

Client Sample ID: GW-060493-062915-LB-VP-6

Lab Sample ID: 490-81648-11

Date Collected: 06/29/15 12:32

Matrix: Ground Water

Date Received: 06/30/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	261029	07/01/15 21:17	JJR	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	261140	07/01/15 18:32	BK	TAL NSH
Total/NA	Prep	3510C			1070 mL	1 mL	261371	07/02/15 06:18	ET	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1070 mL	1 mL	261964	07/05/15 12:11	JDJ	TAL NSH

Client Sample ID: GW-060493-062915-CP-VP-7

Lab Sample ID: 490-81648-12

Date Collected: 06/29/15 13:22

Matrix: Ground Water

Date Received: 06/30/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		25	10 mL	10 mL	261452	07/02/15 19:27	JJR	TAL NSH
Total/NA	Analysis	NWTPH-Gx		50	0.1 mL	5 mL	261430	07/02/15 21:25	BK	TAL NSH
Total/NA	Prep	3510C			1070 mL	1 mL	261371	07/02/15 06:18	ET	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1070 mL	1 mL	261964	07/05/15 12:45	JDJ	TAL NSH

Client Sample ID: GW-060493-062915-CP-VP-8

Lab Sample ID: 490-81648-13

Date Collected: 06/29/15 11:20

Matrix: Ground Water

Date Received: 06/30/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	261029	07/01/15 22:18	JJR	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	261140	07/02/15 00:08	BK	TAL NSH
Total/NA	Prep	3510C			1070 mL	1 mL	261371	07/02/15 06:18	ET	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1070 mL	1 mL	261964	07/05/15 13:02	JDJ	TAL NSH

Laboratory References:

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

Method Summary

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC)	NWTPH	TAL NSH
NWTPH-Dx	Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup	NWTPH	TAL NSH

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

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Certification Summary

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

Laboratory: TestAmerica Nashville

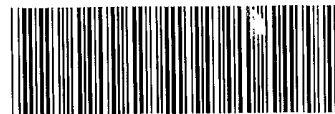
The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Washington	State Program	10	C789	07-19-15 *

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* Certification renewal pending - certification considered valid.

COOLER RECEIPT FORM



490-81648 Chain of Custody

Cooler Received/Opened On 6/30/2015 @ 940

1. Tracking # 4490 (last 4 digits, FedEx)

Courier: Fed-ex IR Gun ID 17960358

2. Temperature of rep. sample or temp blank when opened: 3.2 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) ETA

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

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 # 1

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

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) ASH

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) ASH

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

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO..# 0

COOLER RECEIPT FORM

Cooler Received/Opened On 6/30/2015 @ 0940

1. Tracking # 4480 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 12080142

2. Temperature of rep. sample or temp blank when opened: 4.5 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: one 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) DA

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

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) AJH

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) AJH

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) AJH

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

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

COOLER RECEIPT FORM

Loc: 490
81648
#1
B

Cooler Received/Opened On 6/30/2015 @ 0940

1. Tracking # 4505 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 96210146

2. Temperature of rep. sample or temp blank when opened: 1.4 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? 1 fresh YES...NO...NA

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)

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

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 # ADH

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...#

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 490-81648-1
SDG Number: SAP#120877/060493

Login Number: 81648
List Number: 1
Creator: Huskey, Adam

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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.	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 <math><6\text{mm}</math> (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 Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-81648-1
TestAmerica Sample Delivery Group: SAP#120877/060493
Client Project/Site: 210 NE 45th Street, Seattle, WA
Revision: 1

For:
GHD Services Inc.
20818 44th Ave W
Suite 190
Lynnwood, Washington 98036

Attn: Michael Lam

Roxanne L Connor

Authorized for release by:
7/30/2015 4:08:34 PM

Roxanne Connor, Senior Project Manager
(615)301-5761
roxanne.connor@testamericainc.com

LINKS

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results through
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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-81648-1	GW-060493-062915-LB-MW-1	Ground Water	06/29/15 09:46	06/30/15 09:40
490-81648-2	GW-060493-062915-CP-MW-2	Ground Water	06/29/15 12:43	06/30/15 09:40
490-81648-3	GW-060493-062915-CP-MW-3	Ground Water	06/29/15 10:10	06/30/15 09:40
490-81648-4	GW-060493-062915-CP-MW-6	Ground Water	06/29/15 09:33	06/30/15 09:40
490-81648-5	GW-060493-062915-LB-MW-8	Ground Water	06/29/15 11:58	06/30/15 09:40
490-81648-6	GW-060493-062915-LB-VP-1	Ground Water	06/29/15 10:17	06/30/15 09:40
490-81648-7	GW-060493-062915-LB-VP-2	Ground Water	06/29/15 11:21	06/30/15 09:40
490-81648-8	GW-060493-062915-CP-VP-3	Ground Water	06/29/15 12:06	06/30/15 09:40
490-81648-9	GW-060493-062915-LB-VP-4	Ground Water	06/29/15 10:49	06/30/15 09:40
490-81648-10	GW-060493-062915-CP-VP-5	Ground Water	06/29/15 10:41	06/30/15 09:40
490-81648-11	GW-060493-062915-LB-VP-6	Ground Water	06/29/15 12:32	06/30/15 09:40
490-81648-12	GW-060493-062915-CP-VP-7	Ground Water	06/29/15 13:22	06/30/15 09:40
490-81648-13	GW-060493-062915-CP-VP-8	Ground Water	06/29/15 11:20	06/30/15 09:40

Case Narrative

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

Job ID: 490-81648-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative 490-81648-1

Comments

No additional comments.

Receipt

The samples were received on 6/30/2015 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 1.4° C, 3.2° C and 4.5° C.

GC/MS VOA

Method(s) 8260B: Surrogate recovery for the following samples was outside control limits: (490-81546-A-8 MS) and (490-81546-A-8 MSD). Evidence of matrix interference is present.

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

VOA Prep

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

Job ID: 490-81648-2

Laboratory: TestAmerica Nashville

Narrative

Job Narrative 490-81648-2

Comments

Revised Report 7/29/2015: Samples GW-060493-062915-LB-VP-2 (490-81648-7) and GW-060493-062915-CP-VP-7 (490-81648-12) were reanalyzed for NWTPH-Dx and sample GW-060493-062915-CP-VP-7 (490-81648-12) was reanalyzed for NWTPH-Gx per client request. Results confirmed. Both sets of results are included in this revision.

GC VOA

Method(s) NWTPH-Gx: Reanalysis of sample GW-060493-062915-CP-VP-7 (490-81648-12) was run from headspace vials.

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

GC Semi VOA

Method(s) NWTPH-Dx: Sample GW-060493-062915-LB-VP-2 (490-81648-7) was confirmed by re-extraction and analysis. The reanalysis has a slightly lower result but does have a similar peak pattern to the original analysis.

Method(s) NWTPH-Dx: The following sample contained a hydrocarbon pattern that most closely resembles a Gasoline product used by the laboratory for quantitative purposes: GW-060493-062915-CP-VP-7 (490-81648-12). Original analysis was confirmed by re-extraction/re-analysis.

Method(s) NWTPH-Dx: The following samples contained a hydrocarbon pattern that most closely resembles a Gasoline product used by the laboratory for quantitative purposes: GW-060493-062915-CP-MW-2 (490-81648-2) and GW-060493-062915-CP-MW-6 (490-81648-4), GW-060493-062915-LB-VP-6 (490-81648-11), GW-060493-062915-CP-VP-7 (490-81648-12) and (490-81648-H-11-A DU).

Method(s) NWTPH-Dx: The following sample contained a single peak(s) contaminant which does not match a typical Total Petroleum Hydrocarbon (TPH) pattern used by the laboratory for quantitative purposes: GW-060493-062915-CP-VP-8 (490-81648-13).

Method(s) NWTPH-Dx: The following samples contained a hydrocarbon pattern for analyte C10-C24 that most closely resembles a Diesel Fuel #2 product used by the laboratory for quantitative purposes: GW-060493-062915-LB-VP-1 (490-81648-6) and GW-060493-062915-LB-VP-2 (490-81648-7).

Case Narrative

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

Job ID: 490-81648-2 (Continued)

Laboratory: TestAmerica Nashville (Continued)

Method(s) NWTPH-Dx: The following sample contained a hydrocarbon pattern for analyte C10-C24 which does not match a typical Total Petroleum Hydrocarbon (TPH) pattern used by the laboratory for quantitative purposes: GW-060493-062915-CP-VP-3 (490-81648-8).

Method(s) NWTPH-Dx: There was insufficient contamination present for analyte C24-C40 to perform a pattern match for the following samples: GW-060493-062915-LB-VP-1 (490-81648-6) and GW-060493-062915-CP-VP-3 (490-81648-8).

Method(s) NWTPH-Dx: There was insufficient contamination present to perform a pattern match for the following sample: GW-060493-062915-LB-MW-1 (490-81648-1).

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.



Definitions/Glossary

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
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.
X	Surrogate is outside control limits
F1	MS and/or MSD Recovery is outside acceptance limits.

GC VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time

GC Semi VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time

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)

Client Sample Results

Client: GHD Services Inc.
 Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
 SDG: SAP#120877/060493

Client Sample ID: GW-060493-062915-LB-MW-1

Lab Sample ID: 490-81648-1

Date Collected: 06/29/15 09:46

Matrix: Ground Water

Date Received: 06/30/15 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			07/01/15 16:27	1
Ethylbenzene	ND		1.00		ug/L			07/01/15 16:27	1
Toluene	ND		1.00		ug/L			07/01/15 16:27	1
Xylenes, Total	ND		3.00		ug/L			07/01/15 16:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		07/01/15 16:27	1
Dibromofluoromethane (Surr)	98		70 - 130		07/01/15 16:27	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 130		07/01/15 16:27	1
Toluene-d8 (Surr)	98		70 - 130		07/01/15 16:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			07/01/15 14:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	77		50 - 150		07/01/15 14:42	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	103		93.0		ug/L		07/08/15 18:04	07/11/15 18:27	1
C24-C40	ND		93.0		ug/L		07/08/15 18:04	07/11/15 18:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	69		50 - 150	07/08/15 18:04	07/11/15 18:27	1

Client Sample Results

Client: GHD Services Inc.
 Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
 SDG: SAP#120877/060493

Client Sample ID: GW-060493-062915-CP-MW-2

Lab Sample ID: 490-81648-2

Date Collected: 06/29/15 12:43

Matrix: Ground Water

Date Received: 06/30/15 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			07/01/15 16:55	1
Ethylbenzene	294		1.00		ug/L			07/01/15 16:55	1
Toluene	1.94		1.00		ug/L			07/01/15 16:55	1
Xylenes, Total	27.7		3.00		ug/L			07/01/15 16:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		07/01/15 16:55	1
Dibromofluoromethane (Surr)	96		70 - 130		07/01/15 16:55	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 130		07/01/15 16:55	1
Toluene-d8 (Surr)	96		70 - 130		07/01/15 16:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	2480		1000		ug/L			07/01/15 15:47	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	82		50 - 150		07/01/15 15:47	10

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	609		93.5		ug/L		07/08/15 18:04	07/11/15 19:02	1
C24-C40	ND		93.5		ug/L		07/08/15 18:04	07/11/15 19:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	63		50 - 150	07/08/15 18:04	07/11/15 19:02	1

Client Sample Results

Client: GHD Services Inc.
 Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
 SDG: SAP#120877/060493

Client Sample ID: GW-060493-062915-CP-MW-3

Lab Sample ID: 490-81648-3

Date Collected: 06/29/15 10:10

Matrix: Ground Water

Date Received: 06/30/15 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			07/01/15 17:22	1
Ethylbenzene	ND		1.00		ug/L			07/01/15 17:22	1
Toluene	ND		1.00		ug/L			07/01/15 17:22	1
Xylenes, Total	ND		3.00		ug/L			07/01/15 17:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130		07/01/15 17:22	1
Dibromofluoromethane (Surr)	101		70 - 130		07/01/15 17:22	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 130		07/01/15 17:22	1
Toluene-d8 (Surr)	98		70 - 130		07/01/15 17:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			07/01/15 16:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	79		50 - 150		07/01/15 16:19	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	ND		93.0		ug/L		07/08/15 18:04	07/11/15 19:20	1
C24-C40	ND		93.0		ug/L		07/08/15 18:04	07/11/15 19:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	64		50 - 150	07/08/15 18:04	07/11/15 19:20	1

Client Sample Results

Client: GHD Services Inc.
 Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
 SDG: SAP#120877/060493

Client Sample ID: GW-060493-062915-CP-MW-6

Lab Sample ID: 490-81648-4

Date Collected: 06/29/15 09:33

Matrix: Ground Water

Date Received: 06/30/15 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	148		1.00		ug/L			07/01/15 17:50	1
Ethylbenzene	543		20.0		ug/L			07/02/15 11:58	20
Toluene	20.9		1.00		ug/L			07/01/15 17:50	1
Xylenes, Total	589		3.00		ug/L			07/01/15 17:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130		07/01/15 17:50	1
4-Bromofluorobenzene (Surr)	96		70 - 130		07/02/15 11:58	20
Dibromofluoromethane (Surr)	93		70 - 130		07/01/15 17:50	1
Dibromofluoromethane (Surr)	99		70 - 130		07/02/15 11:58	20
1,2-Dichloroethane-d4 (Surr)	104		70 - 130		07/01/15 17:50	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 130		07/02/15 11:58	20
Toluene-d8 (Surr)	97		70 - 130		07/01/15 17:50	1
Toluene-d8 (Surr)	99		70 - 130		07/02/15 11:58	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	9510		1000		ug/L			07/01/15 16:52	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	105		50 - 150		07/01/15 16:52	10

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	1210		186		ug/L		07/08/15 18:04	07/11/15 22:17	2
C24-C40	236		186		ug/L		07/08/15 18:04	07/11/15 22:17	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	64		50 - 150	07/08/15 18:04	07/11/15 22:17	2

Client Sample Results

Client: GHD Services Inc.
 Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
 SDG: SAP#120877/060493

Client Sample ID: GW-060493-062915-LB-MW-8

Lab Sample ID: 490-81648-5

Date Collected: 06/29/15 11:58

Matrix: Ground Water

Date Received: 06/30/15 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			07/01/15 18:17	1
Ethylbenzene	ND		1.00		ug/L			07/01/15 18:17	1
Toluene	ND		1.00		ug/L			07/01/15 18:17	1
Xylenes, Total	ND		3.00		ug/L			07/01/15 18:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		07/01/15 18:17	1
Dibromofluoromethane (Surr)	101		70 - 130		07/01/15 18:17	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 130		07/01/15 18:17	1
Toluene-d8 (Surr)	99		70 - 130		07/01/15 18:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			07/01/15 17:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	78		50 - 150		07/01/15 17:24	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	ND		93.0		ug/L		07/08/15 18:04	07/11/15 19:38	1
C24-C40	ND		93.0		ug/L		07/08/15 18:04	07/11/15 19:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	69		50 - 150	07/08/15 18:04	07/11/15 19:38	1

Client Sample Results

Client: GHD Services Inc.
 Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
 SDG: SAP#120877/060493

Client Sample ID: GW-060493-062915-LB-VP-1

Lab Sample ID: 490-81648-6

Date Collected: 06/29/15 10:17

Matrix: Ground Water

Date Received: 06/30/15 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			07/01/15 18:44	1
Ethylbenzene	ND		1.00		ug/L			07/01/15 18:44	1
Toluene	ND		1.00		ug/L			07/01/15 18:44	1
Xylenes, Total	ND		3.00		ug/L			07/01/15 18:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		07/01/15 18:44	1
Dibromofluoromethane (Surr)	100		70 - 130		07/01/15 18:44	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 130		07/01/15 18:44	1
Toluene-d8 (Surr)	98		70 - 130		07/01/15 18:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			07/01/15 17:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	78		50 - 150		07/01/15 17:57	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	837		93.0		ug/L		07/08/15 18:04	07/11/15 19:56	1
C24-C40	122		93.0		ug/L		07/08/15 18:04	07/11/15 19:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	51		50 - 150	07/08/15 18:04	07/11/15 19:56	1

Client Sample Results

Client: GHD Services Inc.
 Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
 SDG: SAP#120877/060493

Client Sample ID: GW-060493-062915-LB-VP-2

Lab Sample ID: 490-81648-7

Date Collected: 06/29/15 11:21

Matrix: Ground Water

Date Received: 06/30/15 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			07/01/15 19:12	1
Ethylbenzene	ND		1.00		ug/L			07/01/15 19:12	1
Toluene	ND		1.00		ug/L			07/01/15 19:12	1
Xylenes, Total	ND		3.00		ug/L			07/01/15 19:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130		07/01/15 19:12	1
Dibromofluoromethane (Surr)	101		70 - 130		07/01/15 19:12	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 130		07/01/15 19:12	1
Toluene-d8 (Surr)	99		70 - 130		07/01/15 19:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			07/01/15 18:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	78		50 - 150		07/01/15 18:29	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	6290		186		ug/L		07/08/15 18:04	07/11/15 22:35	2
C10-C24	1190	H	94.8		ug/L		07/28/15 16:40	07/29/15 11:47	1
C24-C40	808		186		ug/L		07/08/15 18:04	07/11/15 22:35	2
C24-C40	102	H	94.8		ug/L		07/28/15 16:40	07/29/15 11:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	55		50 - 150	07/08/15 18:04	07/11/15 22:35	2
o-Terphenyl	60		50 - 150	07/28/15 16:40	07/29/15 11:47	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

Client Sample ID: GW-060493-062915-CP-VP-3

Lab Sample ID: 490-81648-8

Date Collected: 06/29/15 12:06

Matrix: Ground Water

Date Received: 06/30/15 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	17.6		1.00		ug/L			07/01/15 19:39	1
Ethylbenzene	1.72		1.00		ug/L			07/01/15 19:39	1
Toluene	ND		1.00		ug/L			07/01/15 19:39	1
Xylenes, Total	ND		3.00		ug/L			07/01/15 19:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130		07/01/15 19:39	1
Dibromofluoromethane (Surr)	102		70 - 130		07/01/15 19:39	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 130		07/01/15 19:39	1
Toluene-d8 (Surr)	99		70 - 130		07/01/15 19:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	868		500		ug/L			07/01/15 19:01	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	80		50 - 150		07/01/15 19:01	5

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	2040		94.3		ug/L		07/08/15 18:04	07/11/15 20:14	1
C24-C40	111		94.3		ug/L		07/08/15 18:04	07/11/15 20:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	59		50 - 150	07/08/15 18:04	07/11/15 20:14	1

Client Sample Results

Client: GHD Services Inc.
 Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
 SDG: SAP#120877/060493

Client Sample ID: GW-060493-062915-LB-VP-4

Lab Sample ID: 490-81648-9

Date Collected: 06/29/15 10:49

Matrix: Ground Water

Date Received: 06/30/15 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			07/01/15 20:07	1
Ethylbenzene	ND		1.00		ug/L			07/01/15 20:07	1
Toluene	ND		1.00		ug/L			07/01/15 20:07	1
Xylenes, Total	ND		3.00		ug/L			07/01/15 20:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		07/01/15 20:07	1
Dibromofluoromethane (Surr)	103		70 - 130		07/01/15 20:07	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 130		07/01/15 20:07	1
Toluene-d8 (Surr)	99		70 - 130		07/01/15 20:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			07/01/15 19:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	77		50 - 150		07/01/15 19:34	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	ND		93.0		ug/L		07/08/15 18:04	07/11/15 21:07	1
C24-C40	ND		93.0		ug/L		07/08/15 18:04	07/11/15 21:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	75		50 - 150	07/08/15 18:04	07/11/15 21:07	1

Client Sample Results

Client: GHD Services Inc.
 Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
 SDG: SAP#120877/060493

Client Sample ID: GW-060493-062915-CP-VP-5

Lab Sample ID: 490-81648-10

Date Collected: 06/29/15 10:41

Matrix: Ground Water

Date Received: 06/30/15 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			07/01/15 20:34	1
Ethylbenzene	ND		1.00		ug/L			07/01/15 20:34	1
Toluene	ND		1.00		ug/L			07/01/15 20:34	1
Xylenes, Total	ND		3.00		ug/L			07/01/15 20:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		07/01/15 20:34	1
Dibromofluoromethane (Surr)	101		70 - 130		07/01/15 20:34	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 130		07/01/15 20:34	1
Toluene-d8 (Surr)	96		70 - 130		07/01/15 20:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			07/01/15 20:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	75		50 - 150		07/01/15 20:06	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	ND		93.0		ug/L		07/08/15 18:04	07/11/15 21:25	1
C24-C40	ND		93.0		ug/L		07/08/15 18:04	07/11/15 21:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	68		50 - 150	07/08/15 18:04	07/11/15 21:25	1

Client Sample Results

Client: GHD Services Inc.
 Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
 SDG: SAP#120877/060493

Client Sample ID: GW-060493-062915-LB-VP-6

Lab Sample ID: 490-81648-11

Date Collected: 06/29/15 12:32

Matrix: Ground Water

Date Received: 06/30/15 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			07/01/15 21:17	1
Ethylbenzene	ND		1.00		ug/L			07/01/15 21:17	1
Toluene	ND		1.00		ug/L			07/01/15 21:17	1
Xylenes, Total	ND		3.00		ug/L			07/01/15 21:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		07/01/15 21:17	1
Dibromofluoromethane (Surr)	99		70 - 130		07/01/15 21:17	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 130		07/01/15 21:17	1
Toluene-d8 (Surr)	100		70 - 130		07/01/15 21:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	242		100		ug/L			07/01/15 18:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	67		50 - 150		07/01/15 18:32	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	179		93.5		ug/L		07/02/15 06:18	07/05/15 12:11	1
C24-C40	ND		93.5		ug/L		07/02/15 06:18	07/05/15 12:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	80		50 - 150	07/02/15 06:18	07/05/15 12:11	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

Client Sample ID: GW-060493-062915-CP-VP-7

Lab Sample ID: 490-81648-12

Date Collected: 06/29/15 13:22

Matrix: Ground Water

Date Received: 06/30/15 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1820		25.0		ug/L			07/02/15 19:27	25
Ethylbenzene	339		25.0		ug/L			07/02/15 19:27	25
Toluene	568		25.0		ug/L			07/02/15 19:27	25
Xylenes, Total	2180		75.0		ug/L			07/02/15 19:27	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130		07/02/15 19:27	25
Dibromofluoromethane (Surr)	100		70 - 130		07/02/15 19:27	25
1,2-Dichloroethane-d4 (Surr)	98		70 - 130		07/02/15 19:27	25
Toluene-d8 (Surr)	97		70 - 130		07/02/15 19:27	25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	11600		5000		ug/L			07/02/15 21:25	50
C6-C12	11400	H	5000		ug/L			07/21/15 15:21	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	75		50 - 150		07/02/15 21:25	50
a,a,a-Trifluorotoluene	64		50 - 150		07/21/15 15:21	50

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	2530		93.5		ug/L		07/02/15 06:18	07/05/15 12:45	1
C10-C24	2330	H	93.9		ug/L		07/28/15 16:40	07/29/15 12:05	1
C24-C40	ND		93.5		ug/L		07/02/15 06:18	07/05/15 12:45	1
C24-C40	ND	H	93.9		ug/L		07/28/15 16:40	07/29/15 12:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	89		50 - 150	07/02/15 06:18	07/05/15 12:45	1
o-Terphenyl	71		50 - 150	07/28/15 16:40	07/29/15 12:05	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

Client Sample ID: GW-060493-062915-CP-VP-8

Lab Sample ID: 490-81648-13

Date Collected: 06/29/15 11:20

Matrix: Ground Water

Date Received: 06/30/15 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			07/01/15 22:18	1
Ethylbenzene	ND		1.00		ug/L			07/01/15 22:18	1
Toluene	ND		1.00		ug/L			07/01/15 22:18	1
Xylenes, Total	ND		3.00		ug/L			07/01/15 22:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		07/01/15 22:18	1
Dibromofluoromethane (Surr)	92		70 - 130		07/01/15 22:18	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 130		07/01/15 22:18	1
Toluene-d8 (Surr)	98		70 - 130		07/01/15 22:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			07/02/15 00:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	73		50 - 150		07/02/15 00:08	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	1200		93.5		ug/L		07/02/15 06:18	07/05/15 13:02	1
C24-C40	211		93.5		ug/L		07/02/15 06:18	07/05/15 13:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	97		50 - 150	07/02/15 06:18	07/05/15 13:02	1

QC Sample Results

Client: GHD Services Inc.
 Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
 SDG: SAP#120877/060493

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 490-261029/6
Matrix: Water
Analysis Batch: 261029

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			07/01/15 13:01	1
Ethylbenzene	ND		1.00		ug/L			07/01/15 13:01	1
Toluene	ND		1.00		ug/L			07/01/15 13:01	1
Xylenes, Total	ND		3.00		ug/L			07/01/15 13:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130		07/01/15 13:01	1
Dibromofluoromethane (Surr)	102		70 - 130		07/01/15 13:01	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 130		07/01/15 13:01	1
Toluene-d8 (Surr)	98		70 - 130		07/01/15 13:01	1

Lab Sample ID: LCS 490-261029/4
Matrix: Water
Analysis Batch: 261029

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	55.87		ug/L		112	80 - 121
Ethylbenzene	50.0	58.44		ug/L		117	80 - 130
Toluene	50.0	58.31		ug/L		117	80 - 126
Xylenes, Total	100	122.6		ug/L		123	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
Dibromofluoromethane (Surr)	98		70 - 130
1,2-Dichloroethane-d4 (Surr)	90		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: 490-81546-A-8 MS
Matrix: Water
Analysis Batch: 261029

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	531	E	50.0	520.9	E 4	ug/L		-21	75 - 133
Ethylbenzene	5.55		50.0	71.55		ug/L		132	79 - 139
Toluene	1.88	F1	50.0	76.39	F1	ug/L		149	75 - 136
Xylenes, Total	11.1	F1	100	155.7	F1	ug/L		145	74 - 141

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
Dibromofluoromethane (Surr)	92		70 - 130
1,2-Dichloroethane-d4 (Surr)	89		70 - 130
Toluene-d8 (Surr)	141	X	70 - 130

QC Sample Results

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

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

Lab Sample ID: 490-81546-A-8 MSD

Matrix: Water

Analysis Batch: 261029

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	531	E	50.0	505.8	E 4	ug/L		-51	75 - 133	3	17
Ethylbenzene	5.55		50.0	69.43		ug/L		128	79 - 139	3	15
Toluene	1.88	F1	50.0	74.26	F1	ug/L		145	75 - 136	3	15
Xylenes, Total	11.1	F1	100	151.6		ug/L		141	74 - 141	3	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
Dibromofluoromethane (Surr)	103		70 - 130
1,2-Dichloroethane-d4 (Surr)	88		70 - 130
Toluene-d8 (Surr)	143	X	70 - 130

Lab Sample ID: MB 490-261060/6

Matrix: Water

Analysis Batch: 261060

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			07/01/15 12:20	1
Ethylbenzene	ND		1.00		ug/L			07/01/15 12:20	1
Toluene	ND		1.00		ug/L			07/01/15 12:20	1
Xylenes, Total	ND		3.00		ug/L			07/01/15 12:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130		07/01/15 12:20	1
Dibromofluoromethane (Surr)	101		70 - 130		07/01/15 12:20	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 130		07/01/15 12:20	1
Toluene-d8 (Surr)	100		70 - 130		07/01/15 12:20	1

Lab Sample ID: LCS 490-261060/3

Matrix: Water

Analysis Batch: 261060

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	49.69		ug/L		99	80 - 121
Ethylbenzene	50.0	49.70		ug/L		99	80 - 130
Toluene	50.0	48.15		ug/L		96	80 - 126
Xylenes, Total	150	147.5		ug/L		98	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130
1,2-Dichloroethane-d4 (Surr)	99		70 - 130
Toluene-d8 (Surr)	98		70 - 130

TestAmerica Nashville

QC Sample Results

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

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

Lab Sample ID: LCSD 490-261060/4
Matrix: Water
Analysis Batch: 261060

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	50.0	50.11		ug/L		100	80 - 121	1	17
Ethylbenzene	50.0	51.47		ug/L		103	80 - 130	3	15
Toluene	50.0	49.47		ug/L		99	80 - 126	3	15
Xylenes, Total	150	150.9		ug/L		101	80 - 132	2	15

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130
1,2-Dichloroethane-d4 (Surr)	96		70 - 130
Toluene-d8 (Surr)	99		70 - 130

Lab Sample ID: 490-81648-1 MS
Matrix: Ground Water
Analysis Batch: 261060

Client Sample ID: GW-060493-062915-LB-MW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		25.0	28.19		ug/L		113	75 - 133
Ethylbenzene	ND		25.0	28.05		ug/L		112	79 - 139
Toluene	ND		25.0	26.83		ug/L		107	75 - 136
Xylenes, Total	ND		75.0	83.49		ug/L		111	74 - 141

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130
1,2-Dichloroethane-d4 (Surr)	105		70 - 130
Toluene-d8 (Surr)	97		70 - 130

Lab Sample ID: 490-81648-1 MSD
Matrix: Ground Water
Analysis Batch: 261060

Client Sample ID: GW-060493-062915-LB-MW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		25.0	29.71		ug/L		119	75 - 133	5	17
Ethylbenzene	ND		25.0	29.76		ug/L		119	79 - 139	6	15
Toluene	ND		25.0	28.13		ug/L		113	75 - 136	5	15
Xylenes, Total	ND		75.0	87.60		ug/L		117	74 - 141	5	15

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
Dibromofluoromethane (Surr)	102		70 - 130
1,2-Dichloroethane-d4 (Surr)	99		70 - 130
Toluene-d8 (Surr)	97		70 - 130

QC Sample Results

Client: GHD Services Inc.
 Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
 SDG: SAP#120877/060493

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

Lab Sample ID: MB 490-261409/6
Matrix: Water
Analysis Batch: 261409

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			07/02/15 11:31	1
Ethylbenzene	ND		1.00		ug/L			07/02/15 11:31	1
Toluene	ND		1.00		ug/L			07/02/15 11:31	1
Xylenes, Total	ND		3.00		ug/L			07/02/15 11:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		07/02/15 11:31	1
Dibromofluoromethane (Surr)	101		70 - 130		07/02/15 11:31	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 130		07/02/15 11:31	1
Toluene-d8 (Surr)	99		70 - 130		07/02/15 11:31	1

Lab Sample ID: LCS 490-261409/3
Matrix: Water
Analysis Batch: 261409

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	49.54		ug/L		99	80 - 121
Ethylbenzene	50.0	49.92		ug/L		100	80 - 130
Toluene	50.0	48.00		ug/L		96	80 - 126
Xylenes, Total	150	146.9		ug/L		98	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
Dibromofluoromethane (Surr)	98		70 - 130
1,2-Dichloroethane-d4 (Surr)	98		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Lab Sample ID: LCSD 490-261409/4
Matrix: Water
Analysis Batch: 261409

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	50.0	49.17		ug/L		98	80 - 121	1	17
Ethylbenzene	50.0	49.68		ug/L		99	80 - 130	0	15
Toluene	50.0	47.90		ug/L		96	80 - 126	0	15
Xylenes, Total	150	146.3		ug/L		98	80 - 132	0	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130
1,2-Dichloroethane-d4 (Surr)	98		70 - 130
Toluene-d8 (Surr)	99		70 - 130

QC Sample Results

Client: GHD Services Inc.
 Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
 SDG: SAP#120877/060493

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

Lab Sample ID: 490-81724-B-1 MS
Matrix: Water
Analysis Batch: 261409

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		50.0	52.35		ug/L		105	75 - 133
Ethylbenzene	ND		50.0	54.39		ug/L		109	79 - 139
Toluene	ND		50.0	51.09		ug/L		102	75 - 136
Xylenes, Total	ND		150	157.8		ug/L		105	74 - 141

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
Dibromofluoromethane (Surr)	99		70 - 130
1,2-Dichloroethane-d4 (Surr)	96		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Lab Sample ID: 490-81724-C-1 MSD
Matrix: Water
Analysis Batch: 261409

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		50.0	53.98		ug/L		108	75 - 133	3	17
Ethylbenzene	ND		50.0	53.92		ug/L		108	79 - 139	1	15
Toluene	ND		50.0	51.13		ug/L		102	75 - 136	0	15
Xylenes, Total	ND		150	156.7		ug/L		104	74 - 141	1	15

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130
1,2-Dichloroethane-d4 (Surr)	99		70 - 130
Toluene-d8 (Surr)	96		70 - 130

Lab Sample ID: MB 490-261452/6
Matrix: Water
Analysis Batch: 261452

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			07/02/15 13:10	1
Ethylbenzene	ND		1.00		ug/L			07/02/15 13:10	1
Toluene	ND		1.00		ug/L			07/02/15 13:10	1
Xylenes, Total	ND		3.00		ug/L			07/02/15 13:10	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130		07/02/15 13:10	1
Dibromofluoromethane (Surr)	100		70 - 130		07/02/15 13:10	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 130		07/02/15 13:10	1
Toluene-d8 (Surr)	100		70 - 130		07/02/15 13:10	1

QC Sample Results

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

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

Lab Sample ID: LCS 490-261452/3
Matrix: Water
Analysis Batch: 261452

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	49.69		ug/L		99	80 - 121
Ethylbenzene	50.0	52.53		ug/L		105	80 - 130
Toluene	50.0	52.46		ug/L		105	80 - 126
Xylenes, Total	100	109.4		ug/L		109	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
Dibromofluoromethane (Surr)	99		70 - 130
1,2-Dichloroethane-d4 (Surr)	91		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: LCSD 490-261452/4
Matrix: Water
Analysis Batch: 261452

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	50.0	48.78		ug/L		98	80 - 121	2	17
Ethylbenzene	50.0	52.09		ug/L		104	80 - 130	1	15
Toluene	50.0	51.83		ug/L		104	80 - 126	1	15
Xylenes, Total	100	110.1		ug/L		110	80 - 132	1	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130
1,2-Dichloroethane-d4 (Surr)	91		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: 490-81707-B-1 MS
Matrix: Water
Analysis Batch: 261452

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		50.0	54.24		ug/L		108	75 - 133
Ethylbenzene	ND		50.0	60.09		ug/L		120	79 - 139
Toluene	ND		50.0	58.50		ug/L		117	75 - 136
Xylenes, Total	ND		100	127.8		ug/L		128	74 - 141

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
Dibromofluoromethane (Surr)	89		70 - 130
1,2-Dichloroethane-d4 (Surr)	91		70 - 130
Toluene-d8 (Surr)	102		70 - 130

QC Sample Results

Client: GHD Services Inc.
 Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
 SDG: SAP#120877/060493

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

Lab Sample ID: 490-81707-C-1 MSD
Matrix: Water
Analysis Batch: 261452

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		50.0	48.51		ug/L		97	75 - 133	11	17
Ethylbenzene	ND		50.0	52.97		ug/L		106	79 - 139	13	15
Toluene	ND		50.0	51.58		ug/L		103	75 - 136	13	15
Xylenes, Total	ND		100	111.9		ug/L		112	74 - 141	13	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
Dibromofluoromethane (Surr)	96		70 - 130
1,2-Dichloroethane-d4 (Surr)	93		70 - 130
Toluene-d8 (Surr)	103		70 - 130

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

Lab Sample ID: MB 490-261130/6
Matrix: Water
Analysis Batch: 261130

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			07/01/15 14:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	77		50 - 150		07/01/15 14:10	1

Lab Sample ID: LCS 490-261130/4
Matrix: Water
Analysis Batch: 261130

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C12	1000	992.1		ug/L		99	39 - 143

Surrogate	LCS %Recovery	LCS Qualifier	Limits
a,a,a-Trifluorotoluene	110		50 - 150

Lab Sample ID: LCSD 490-261130/5
Matrix: Water
Analysis Batch: 261130

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
C6-C12	1000	961.2		ug/L		96	39 - 143	3	18

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
a,a,a-Trifluorotoluene	111		50 - 150

QC Sample Results

Client: GHD Services Inc.
 Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
 SDG: SAP#120877/060493

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

Lab Sample ID: 490-81648-1 DU
Matrix: Ground Water
Analysis Batch: 261130

Client Sample ID: GW-060493-062915-LB-MW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
C6-C12	ND		ND		ug/L		NC	18
Surrogate	%Recovery	DU Qualifier	Limits					
a,a,a-Trifluorotoluene	79		50 - 150					

Lab Sample ID: MB 490-261140/7
Matrix: Water
Analysis Batch: 261140

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			07/01/15 16:01	1
Surrogate	%Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac			
a,a,a-Trifluorotoluene	76		50 - 150		07/01/15 16:01	1			

Lab Sample ID: LCS 490-261140/4
Matrix: Water
Analysis Batch: 261140

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C12	1000	980.9		ug/L		98	39 - 143
Surrogate	%Recovery	LCS Qualifier	Limits				
a,a,a-Trifluorotoluene	62		50 - 150				

Lab Sample ID: LCSD 490-261140/5
Matrix: Water
Analysis Batch: 261140

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
C6-C12	1000	971.9		ug/L		97	39 - 143	1	18
Surrogate	%Recovery	LCSD Qualifier	Limits						
a,a,a-Trifluorotoluene	60		50 - 150						

Lab Sample ID: 490-81600-C-19 DU
Matrix: Water
Analysis Batch: 261140

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
C6-C12	ND		ND		ug/L		NC	18
Surrogate	%Recovery	DU Qualifier	Limits					
a,a,a-Trifluorotoluene	75		50 - 150					

QC Sample Results

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

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

Lab Sample ID: MB 490-261430/7
Matrix: Water
Analysis Batch: 261430

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			07/02/15 14:10	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	75		50 - 150					07/02/15 14:10	1

Lab Sample ID: LCS 490-261430/4
Matrix: Water
Analysis Batch: 261430

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C12	1000	1029		ug/L		103	39 - 143
Surrogate	%Recovery	LCS Qualifier	Limits				
a,a,a-Trifluorotoluene	58		50 - 150				

Lab Sample ID: LCSD 490-261430/5
Matrix: Water
Analysis Batch: 261430

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
C6-C12	1000	1059		ug/L		106	39 - 143	3	18
Surrogate	%Recovery	LCSD Qualifier	Limits						
a,a,a-Trifluorotoluene	59		50 - 150						

Lab Sample ID: 490-81805-H-1 DU
Matrix: Water
Analysis Batch: 261430

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
C6-C12	ND		ND		ug/L		NC	18
Surrogate	%Recovery	DU Qualifier	Limits					
a,a,a-Trifluorotoluene	74		50 - 150					

Lab Sample ID: MB 490-266544/17
Matrix: Water
Analysis Batch: 266544

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			07/21/15 16:28	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	64		50 - 150					07/21/15 16:28	1

TestAmerica Nashville

QC Sample Results

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

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

Lab Sample ID: MB 490-266544/6
Matrix: Water
Analysis Batch: 266544

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		100		ug/L			07/21/15 10:27	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	61		50 - 150					07/21/15 10:27	1

Lab Sample ID: LCS 490-266544/4
Matrix: Water
Analysis Batch: 266544

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
C6-C12	1000	1107		ug/L		111	39 - 143		
Surrogate	%Recovery	LCS Qualifier	Limits						
a,a,a-Trifluorotoluene	86		50 - 150						

Lab Sample ID: LCSD 490-266544/5
Matrix: Water
Analysis Batch: 266544

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
C6-C12	1000	1087		ug/L		109	39 - 143	2	18
Surrogate	%Recovery	LCSD Qualifier	Limits						
a,a,a-Trifluorotoluene	90		50 - 150						

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Lab Sample ID: MB 490-261371/1-A
Matrix: Water
Analysis Batch: 261964

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 261371

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	ND		100		ug/L		07/02/15 06:18	07/05/15 11:19	1
C24-C40	ND		100		ug/L		07/02/15 06:18	07/05/15 11:19	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	91		50 - 150				07/02/15 06:18	07/05/15 11:19	1

Lab Sample ID: LCS 490-261371/2-A
Matrix: Water
Analysis Batch: 261964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 261371

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
C10-C24	1000	975.9		ug/L		98	51 - 132		

TestAmerica Nashville

QC Sample Results

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup (Continued)

Lab Sample ID: LCS 490-261371/2-A
Matrix: Water
Analysis Batch: 261964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 261371

Surrogate	LCS		Limits
	%Recovery	Qualifier	
<i>o</i> -Terphenyl	89		50 - 150

Lab Sample ID: 490-81648-11 DU
Matrix: Ground Water
Analysis Batch: 261964

Client Sample ID: GW-060493-062915-LB-VP-6
Prep Type: Total/NA
Prep Batch: 261371

Analyte	Sample Result	Sample Qualifier	DU		Unit	D	RPD	Limit
			Result	Qualifier				
C10-C24	179		207.6		ug/L		15	41
C24-C40	ND		ND		ug/L		NC	41

Surrogate	DU		Limits
	%Recovery	Qualifier	
<i>o</i> -Terphenyl	106		50 - 150

Lab Sample ID: MB 490-263024/1-A
Matrix: Water
Analysis Batch: 263940

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 263024

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
C10-C24	ND		100		ug/L		07/08/15 18:04	07/11/15 18:09	1
C24-C40	ND		100		ug/L		07/08/15 18:04	07/11/15 18:09	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
<i>o</i> -Terphenyl	87		50 - 150	07/08/15 18:04	07/11/15 18:09	1

Lab Sample ID: LCS 490-263024/2-A
Matrix: Water
Analysis Batch: 263940

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 263024

Analyte	Spike Added	LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
C10-C24	1000	750.0		ug/L		75	51 - 132

Surrogate	LCS		Limits
	%Recovery	Qualifier	
<i>o</i> -Terphenyl	83		50 - 150

Lab Sample ID: 490-81648-1 DU
Matrix: Ground Water
Analysis Batch: 263940

Client Sample ID: GW-060493-062915-LB-MW-1
Prep Type: Total/NA
Prep Batch: 263024

Analyte	Sample Result	Sample Qualifier	DU		Unit	D	RPD	Limit
			Result	Qualifier				
C10-C24	103		ND		ug/L		32	41
C24-C40	ND		ND		ug/L		NC	41

Surrogate	DU		Limits
	%Recovery	Qualifier	
<i>o</i> -Terphenyl	53		50 - 150

QC Sample Results

Client: GHD Services Inc.
 Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
 SDG: SAP#120877/060493

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup (Continued)

Lab Sample ID: 490-81648-10 DU
Matrix: Ground Water
Analysis Batch: 263940

Client Sample ID: GW-060493-062915-CP-VP-5
Prep Type: Total/NA
Prep Batch: 263024

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
C10-C24	ND		ND		ug/L		5	41
C24-C40	ND		ND		ug/L		NC	41
DU DU								
Surrogate	%Recovery	Qualifier	Limits					
<i>o</i> -Terphenyl	72		50 - 150					

Lab Sample ID: MB 490-268835/1-A
Matrix: Water
Analysis Batch: 268948

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 268835

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
C10-C24	ND		100		ug/L		07/28/15 16:40	07/29/15 11:12	1
C24-C40	ND		100		ug/L		07/28/15 16:40	07/29/15 11:12	1
MB MB									
Surrogate	%Recovery	Qualifier	Limits		Prepared		Analyzed		Dil Fac
<i>o</i> -Terphenyl	66		50 - 150		07/28/15 16:40		07/29/15 11:12		1

Lab Sample ID: LCS 490-268835/2-A
Matrix: Water
Analysis Batch: 268948

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 268835

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
C10-C24	1000	709.5		ug/L		71	51 - 132
LCS LCS							
Surrogate	%Recovery	Qualifier	Limits				
<i>o</i> -Terphenyl	66		50 - 150				

QC Association Summary

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

GC/MS VOA

Analysis Batch: 261029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81546-A-8 MS	Matrix Spike	Total/NA	Water	8260B	
490-81546-A-8 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
490-81648-11	GW-060493-062915-LB-VP-6	Total/NA	Ground Water	8260B	
490-81648-13	GW-060493-062915-CP-VP-8	Total/NA	Ground Water	8260B	
LCS 490-261029/4	Lab Control Sample	Total/NA	Water	8260B	
MB 490-261029/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 261060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81648-1	GW-060493-062915-LB-MW-1	Total/NA	Ground Water	8260B	
490-81648-1 MS	GW-060493-062915-LB-MW-1	Total/NA	Ground Water	8260B	
490-81648-1 MSD	GW-060493-062915-LB-MW-1	Total/NA	Ground Water	8260B	
490-81648-2	GW-060493-062915-CP-MW-2	Total/NA	Ground Water	8260B	
490-81648-3	GW-060493-062915-CP-MW-3	Total/NA	Ground Water	8260B	
490-81648-4	GW-060493-062915-CP-MW-6	Total/NA	Ground Water	8260B	
490-81648-5	GW-060493-062915-LB-MW-8	Total/NA	Ground Water	8260B	
490-81648-6	GW-060493-062915-LB-VP-1	Total/NA	Ground Water	8260B	
490-81648-7	GW-060493-062915-LB-VP-2	Total/NA	Ground Water	8260B	
490-81648-8	GW-060493-062915-CP-VP-3	Total/NA	Ground Water	8260B	
490-81648-9	GW-060493-062915-LB-VP-4	Total/NA	Ground Water	8260B	
490-81648-10	GW-060493-062915-CP-VP-5	Total/NA	Ground Water	8260B	
LCS 490-261060/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-261060/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-261060/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 261409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81648-4	GW-060493-062915-CP-MW-6	Total/NA	Ground Water	8260B	
490-81724-B-1 MS	Matrix Spike	Total/NA	Water	8260B	
490-81724-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 490-261409/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-261409/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-261409/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 261452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81648-12	GW-060493-062915-CP-VP-7	Total/NA	Ground Water	8260B	
490-81707-B-1 MS	Matrix Spike	Total/NA	Water	8260B	
490-81707-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 490-261452/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-261452/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-261452/6	Method Blank	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 261130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81648-1	GW-060493-062915-LB-MW-1	Total/NA	Ground Water	NWTPH-Gx	
490-81648-1 DU	GW-060493-062915-LB-MW-1	Total/NA	Ground Water	NWTPH-Gx	
490-81648-2	GW-060493-062915-CP-MW-2	Total/NA	Ground Water	NWTPH-Gx	

TestAmerica Nashville

QC Association Summary

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

GC VOA (Continued)

Analysis Batch: 261130 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81648-3	GW-060493-062915-CP-MW-3	Total/NA	Ground Water	NWTPH-Gx	
490-81648-4	GW-060493-062915-CP-MW-6	Total/NA	Ground Water	NWTPH-Gx	
490-81648-5	GW-060493-062915-LB-MW-8	Total/NA	Ground Water	NWTPH-Gx	
490-81648-6	GW-060493-062915-LB-VP-1	Total/NA	Ground Water	NWTPH-Gx	
490-81648-7	GW-060493-062915-LB-VP-2	Total/NA	Ground Water	NWTPH-Gx	
490-81648-8	GW-060493-062915-CP-VP-3	Total/NA	Ground Water	NWTPH-Gx	
490-81648-9	GW-060493-062915-LB-VP-4	Total/NA	Ground Water	NWTPH-Gx	
490-81648-10	GW-060493-062915-CP-VP-5	Total/NA	Ground Water	NWTPH-Gx	
LCS 490-261130/4	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 490-261130/5	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	
MB 490-261130/6	Method Blank	Total/NA	Water	NWTPH-Gx	

Analysis Batch: 261140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81600-C-19 DU	Duplicate	Total/NA	Water	NWTPH-Gx	
490-81648-11	GW-060493-062915-LB-VP-6	Total/NA	Ground Water	NWTPH-Gx	
490-81648-13	GW-060493-062915-CP-VP-8	Total/NA	Ground Water	NWTPH-Gx	
LCS 490-261140/4	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 490-261140/5	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	
MB 490-261140/7	Method Blank	Total/NA	Water	NWTPH-Gx	

Analysis Batch: 261430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81648-12	GW-060493-062915-CP-VP-7	Total/NA	Ground Water	NWTPH-Gx	
490-81805-H-1 DU	Duplicate	Total/NA	Water	NWTPH-Gx	
LCS 490-261430/4	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 490-261430/5	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	
MB 490-261430/7	Method Blank	Total/NA	Water	NWTPH-Gx	

Analysis Batch: 266544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81648-12	GW-060493-062915-CP-VP-7	Total/NA	Ground Water	NWTPH-Gx	
LCS 490-266544/4	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 490-266544/5	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	
MB 490-266544/17	Method Blank	Total/NA	Water	NWTPH-Gx	
MB 490-266544/6	Method Blank	Total/NA	Water	NWTPH-Gx	

GC Semi VOA

Prep Batch: 261371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81648-11	GW-060493-062915-LB-VP-6	Total/NA	Ground Water	3510C	
490-81648-11 DU	GW-060493-062915-LB-VP-6	Total/NA	Ground Water	3510C	
490-81648-12	GW-060493-062915-CP-VP-7	Total/NA	Ground Water	3510C	
490-81648-13	GW-060493-062915-CP-VP-8	Total/NA	Ground Water	3510C	
LCS 490-261371/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 490-261371/1-A	Method Blank	Total/NA	Water	3510C	

QC Association Summary

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

GC Semi VOA (Continued)

Analysis Batch: 261964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81648-11	GW-060493-062915-LB-VP-6	Total/NA	Ground Water	NWTPH-Dx	261371
490-81648-11 DU	GW-060493-062915-LB-VP-6	Total/NA	Ground Water	NWTPH-Dx	261371
490-81648-12	GW-060493-062915-CP-VP-7	Total/NA	Ground Water	NWTPH-Dx	261371
490-81648-13	GW-060493-062915-CP-VP-8	Total/NA	Ground Water	NWTPH-Dx	261371
LCS 490-261371/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	261371
MB 490-261371/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	261371

Prep Batch: 263024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81648-1	GW-060493-062915-LB-MW-1	Total/NA	Ground Water	3510C	
490-81648-1 DU	GW-060493-062915-LB-MW-1	Total/NA	Ground Water	3510C	
490-81648-2	GW-060493-062915-CP-MW-2	Total/NA	Ground Water	3510C	
490-81648-3	GW-060493-062915-CP-MW-3	Total/NA	Ground Water	3510C	
490-81648-4	GW-060493-062915-CP-MW-6	Total/NA	Ground Water	3510C	
490-81648-5	GW-060493-062915-LB-MW-8	Total/NA	Ground Water	3510C	
490-81648-6	GW-060493-062915-LB-VP-1	Total/NA	Ground Water	3510C	
490-81648-7	GW-060493-062915-LB-VP-2	Total/NA	Ground Water	3510C	
490-81648-8	GW-060493-062915-CP-VP-3	Total/NA	Ground Water	3510C	
490-81648-9	GW-060493-062915-LB-VP-4	Total/NA	Ground Water	3510C	
490-81648-10	GW-060493-062915-CP-VP-5	Total/NA	Ground Water	3510C	
490-81648-10 DU	GW-060493-062915-CP-VP-5	Total/NA	Ground Water	3510C	
LCS 490-263024/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 490-263024/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 263940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81648-1	GW-060493-062915-LB-MW-1	Total/NA	Ground Water	NWTPH-Dx	263024
490-81648-1 DU	GW-060493-062915-LB-MW-1	Total/NA	Ground Water	NWTPH-Dx	263024
490-81648-2	GW-060493-062915-CP-MW-2	Total/NA	Ground Water	NWTPH-Dx	263024
490-81648-3	GW-060493-062915-CP-MW-3	Total/NA	Ground Water	NWTPH-Dx	263024
490-81648-4	GW-060493-062915-CP-MW-6	Total/NA	Ground Water	NWTPH-Dx	263024
490-81648-5	GW-060493-062915-LB-MW-8	Total/NA	Ground Water	NWTPH-Dx	263024
490-81648-6	GW-060493-062915-LB-VP-1	Total/NA	Ground Water	NWTPH-Dx	263024
490-81648-7	GW-060493-062915-LB-VP-2	Total/NA	Ground Water	NWTPH-Dx	263024
490-81648-8	GW-060493-062915-CP-VP-3	Total/NA	Ground Water	NWTPH-Dx	263024
490-81648-9	GW-060493-062915-LB-VP-4	Total/NA	Ground Water	NWTPH-Dx	263024
490-81648-10	GW-060493-062915-CP-VP-5	Total/NA	Ground Water	NWTPH-Dx	263024
490-81648-10 DU	GW-060493-062915-CP-VP-5	Total/NA	Ground Water	NWTPH-Dx	263024
LCS 490-263024/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	263024
MB 490-263024/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	263024

Prep Batch: 268835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81648-7	GW-060493-062915-LB-VP-2	Total/NA	Ground Water	3510C	
490-81648-12	GW-060493-062915-CP-VP-7	Total/NA	Ground Water	3510C	
LCS 490-268835/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 490-268835/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 268948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81648-7	GW-060493-062915-LB-VP-2	Total/NA	Ground Water	NWTPH-Dx	268835

TestAmerica Nashville

QC Association Summary

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

GC Semi VOA (Continued)

Analysis Batch: 268948 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81648-12	GW-060493-062915-CP-VP-7	Total/NA	Ground Water	NWTPH-Dx	268835
LCS 490-268835/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	268835
MB 490-268835/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	268835

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

Client Sample ID: GW-060493-062915-LB-MW-1

Lab Sample ID: 490-81648-1

Date Collected: 06/29/15 09:46

Matrix: Ground Water

Date Received: 06/30/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	261060	07/01/15 16:27	SLM	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	261130	07/01/15 14:42	GWM	TAL NSH
Total/NA	Prep	3510C			1075 mL	1 mL	263024	07/08/15 18:04	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1075 mL	1 mL	263940	07/11/15 18:27	GMH	TAL NSH

Client Sample ID: GW-060493-062915-CP-MW-2

Lab Sample ID: 490-81648-2

Date Collected: 06/29/15 12:43

Matrix: Ground Water

Date Received: 06/30/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	261060	07/01/15 16:55	SLM	TAL NSH
Total/NA	Analysis	NWTPH-Gx		10	5 mL	5 mL	261130	07/01/15 15:47	GWM	TAL NSH
Total/NA	Prep	3510C			1070 mL	1 mL	263024	07/08/15 18:04	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1070 mL	1 mL	263940	07/11/15 19:02	GMH	TAL NSH

Client Sample ID: GW-060493-062915-CP-MW-3

Lab Sample ID: 490-81648-3

Date Collected: 06/29/15 10:10

Matrix: Ground Water

Date Received: 06/30/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	261060	07/01/15 17:22	SLM	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	261130	07/01/15 16:19	GWM	TAL NSH
Total/NA	Prep	3510C			1075 mL	1 mL	263024	07/08/15 18:04	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1075 mL	1 mL	263940	07/11/15 19:20	GMH	TAL NSH

Client Sample ID: GW-060493-062915-CP-MW-6

Lab Sample ID: 490-81648-4

Date Collected: 06/29/15 09:33

Matrix: Ground Water

Date Received: 06/30/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	261060	07/01/15 17:50	SLM	TAL NSH
Total/NA	Analysis	8260B		20	5 mL	5 mL	261409	07/02/15 11:58	SLM	TAL NSH
Total/NA	Analysis	NWTPH-Gx		10	5 mL	5 mL	261130	07/01/15 16:52	GWM	TAL NSH
Total/NA	Prep	3510C			1075 mL	1 mL	263024	07/08/15 18:04	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		2	1075 mL	1 mL	263940	07/11/15 22:17	GMH	TAL NSH

Client Sample ID: GW-060493-062915-LB-MW-8

Lab Sample ID: 490-81648-5

Date Collected: 06/29/15 11:58

Matrix: Ground Water

Date Received: 06/30/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	261060	07/01/15 18:17	SLM	TAL NSH

TestAmerica Nashville

Lab Chronicle

Client: GHD Services Inc.
 Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
 SDG: SAP#120877/060493

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	261130	07/01/15 17:24	GWM	TAL NSH
Total/NA	Prep	3510C			1075 mL	1 mL	263024	07/08/15 18:04	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1075 mL	1 mL	263940	07/11/15 19:38	GMH	TAL NSH

Client Sample ID: GW-060493-062915-LB-VP-1

Lab Sample ID: 490-81648-6

Date Collected: 06/29/15 10:17

Matrix: Ground Water

Date Received: 06/30/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	261060	07/01/15 18:44	SLM	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	261130	07/01/15 17:57	GWM	TAL NSH
Total/NA	Prep	3510C			1075 mL	1 mL	263024	07/08/15 18:04	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1075 mL	1 mL	263940	07/11/15 19:56	GMH	TAL NSH

Client Sample ID: GW-060493-062915-LB-VP-2

Lab Sample ID: 490-81648-7

Date Collected: 06/29/15 11:21

Matrix: Ground Water

Date Received: 06/30/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	261060	07/01/15 19:12	SLM	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	261130	07/01/15 18:29	GWM	TAL NSH
Total/NA	Prep	3510C			1075 mL	1 mL	263024	07/08/15 18:04	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		2	1075 mL	1 mL	263940	07/11/15 22:35	GMH	TAL NSH
Total/NA	Prep	3510C			1055 mL	1 mL	268835	07/28/15 16:40	BGD	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1055 mL	1 mL	268948	07/29/15 11:47	JPS	TAL NSH

Client Sample ID: GW-060493-062915-CP-VP-3

Lab Sample ID: 490-81648-8

Date Collected: 06/29/15 12:06

Matrix: Ground Water

Date Received: 06/30/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	261060	07/01/15 19:39	SLM	TAL NSH
Total/NA	Analysis	NWTPH-Gx		5	5 mL	5 mL	261130	07/01/15 19:01	GWM	TAL NSH
Total/NA	Prep	3510C			1060 mL	1 mL	263024	07/08/15 18:04	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1060 mL	1 mL	263940	07/11/15 20:14	GMH	TAL NSH

Client Sample ID: GW-060493-062915-LB-VP-4

Lab Sample ID: 490-81648-9

Date Collected: 06/29/15 10:49

Matrix: Ground Water

Date Received: 06/30/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	261060	07/01/15 20:07	SLM	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	261130	07/01/15 19:34	GWM	TAL NSH
Total/NA	Prep	3510C			1075 mL	1 mL	263024	07/08/15 18:04	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1075 mL	1 mL	263940	07/11/15 21:07	GMH	TAL NSH

TestAmerica Nashville

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

Client Sample ID: GW-060493-062915-CP-VP-5

Lab Sample ID: 490-81648-10

Date Collected: 06/29/15 10:41

Matrix: Ground Water

Date Received: 06/30/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	261060	07/01/15 20:34	SLM	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	261130	07/01/15 20:06	GWM	TAL NSH
Total/NA	Prep	3510C			1075 mL	1 mL	263024	07/08/15 18:04	FXM	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1075 mL	1 mL	263940	07/11/15 21:25	GMH	TAL NSH

Client Sample ID: GW-060493-062915-LB-VP-6

Lab Sample ID: 490-81648-11

Date Collected: 06/29/15 12:32

Matrix: Ground Water

Date Received: 06/30/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	261029	07/01/15 21:17	JJR	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	261140	07/01/15 18:32	BK	TAL NSH
Total/NA	Prep	3510C			1070 mL	1 mL	261371	07/02/15 06:18	ET	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1070 mL	1 mL	261964	07/05/15 12:11	JDJ	TAL NSH

Client Sample ID: GW-060493-062915-CP-VP-7

Lab Sample ID: 490-81648-12

Date Collected: 06/29/15 13:22

Matrix: Ground Water

Date Received: 06/30/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		25	10 mL	10 mL	261452	07/02/15 19:27	JJR	TAL NSH
Total/NA	Analysis	NWTPH-Gx		50	5 mL	5 mL	261430	07/02/15 21:25	BK	TAL NSH
Total/NA	Analysis	NWTPH-Gx		50	5 mL	5 mL	266544	07/21/15 15:21	GWM	TAL NSH
Total/NA	Prep	3510C			1070 mL	1 mL	261371	07/02/15 06:18	ET	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1070 mL	1 mL	261964	07/05/15 12:45	JDJ	TAL NSH
Total/NA	Prep	3510C			1065 mL	1 mL	268835	07/28/15 16:40	BGD	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1065 mL	1 mL	268948	07/29/15 12:05	JPS	TAL NSH

Client Sample ID: GW-060493-062915-CP-VP-8

Lab Sample ID: 490-81648-13

Date Collected: 06/29/15 11:20

Matrix: Ground Water

Date Received: 06/30/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	261029	07/01/15 22:18	JJR	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	261140	07/02/15 00:08	BK	TAL NSH
Total/NA	Prep	3510C			1070 mL	1 mL	261371	07/02/15 06:18	ET	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	1070 mL	1 mL	261964	07/05/15 13:02	JDJ	TAL NSH

Laboratory References:

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

Method Summary

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC)	NWTPH	TAL NSH
NWTPH-Dx	Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup	NWTPH	TAL NSH

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



Certification Summary

Client: GHD Services Inc.
Project/Site: 210 NE 45th Street, Seattle, WA

TestAmerica Job ID: 490-81648-1
SDG: SAP#120877/060493

Laboratory: TestAmerica Nashville

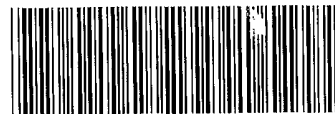
The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Washington	State Program	10	C789	07-19-15 *

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

* Certification renewal pending - certification considered valid.

COOLER RECEIPT FORM



490-81648 Chain of Custody

Cooler Received/Opened On 6/30/2015 @ 940

1. Tracking # 4490 (last 4 digits, FedEx)

Courier: Fed-ex IR Gun ID 17960358

2. Temperature of rep. sample or temp blank when opened: 3.2 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) ETA

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

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 # 1

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

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) ASH

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) ASH

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

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO..# 0

COOLER RECEIPT FORM

Cooler Received/Opened On 6/30/2015 @ 0940

1. Tracking # 4480 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 12080142

2. Temperature of rep. sample or temp blank when opened: 4.5 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: one 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) DA

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

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) AJH

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) AJH

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) AJH

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

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

COOLER RECEIPT FORM

Loc: 490
81648
#1
B

Cooler Received/Opened On 6/30/2015 @ 0940

1. Tracking # 4505 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 96210146

2. Temperature of rep. sample or temp blank when opened: 1.4 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? 1 fresh YES...NO...NA

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)

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

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 # ADH

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...#

Shell Oil Products Chain Of Custody Record



LAB (LOCATION) _____

CALSCIENCE ()
 SPL Houston ()
 XENCO ()
 TEST AMERICA ()
 OTHER ()

ENV. SERVICES
 MOTIVA RETAIL
 CONSULTANT
 SHELL PIPELINE

SHELL RETAIL
 LUBES

INCIDENT # (ENV. SERVICES): _____
 DATE: 01/29/15
 PAGE: 1 of 2

Print Bill To Contact Name: _____
 Michael Q Lam - 060493.2011.05
 PO # _____
 SAP # _____

SITE ADDRESS: Street and City
210 NE 45th Street, Seattle
 EDT DELIVERABLE TO Owner, Community, Office Location: _____
 PHONE NO: 425-563-6500
 STATE: WA
 COUNTY: NA
 CONSULTANT PROJECT NO: **150629-LB1**

SAMPPLER NAME(S) (Print): **L. BOPES / C. PETERS**
 EMAIL: **bobble@blainetech.com**

BLAINE TECH SERVICES
 20735 Beishaw Avenue, Carson, CA 90746
 PROJECT CONTACT (Photocopy or PDF Report): **Bart Gebbie**
 TELEPHONE: (310) 885-4455 x 103
 FAX: (310) 637-5802
 EMAIL: bobble@blainetech.com

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

LA - RVOCs REPORT FORMAT JUST AGENCY: _____

SPECIAL INSTRUCTIONS OR NOTES:
 1) Please upload the "CRA Equis 4-file EDD" to the CRA Website (http://craibedupload.craworld.com/equis/default.aspx) and/or send it to the Shell-US-
 -abDataManagement@CRAworld.com email folder. 2) Please indicate that you have uploaded
 the EDD by including "EDD Uploaded to CRA website" in the body of the email used to deliver the
 final PDF report to the Shell-US-LabDataManagement@CRAworld.com email folder.

Copy final report to Shell-Lab.Billing@craworld.com, Shell.results@craworld.com, and Shell-US-
 LabDataManagement@CRAworld.com
 Email Invoice to Shell.Lab.Billing@craworld.com
 See Laboratory PM for WA Dept. of Ecology MTCA Method A cleanup levels for
 Groundwater Minimum detection limits.

SAMPLE ID	PROJECT NUMBER	DATE (MMDDYY)	SAMPLER INITIALS	WELL ID	TIME	MATRIX	PRESERVATIVE			NO. OF CONT.
							HCL	HNO3	H2SO4	
46	GW-060493	062915	LB	MW1	0946	WG	X			8
47	GW-060493	062915	CP	MW2	0943	WG	X			8
48	GW-060493	062915	CP	MW3	1010	WG	X			8
49	GW-060493	062915	CP	MW6	0953	WG	X			8
50	GW-060493	062915	LB	MW8	1158	WG	X			8
51	GW-060493	062915	LB	VP-1	1017	WG	X			8
52	GW-060493	062915	LB	VP-2	1121	WG	X			8
53	GW-060493	062915	CP	VP-3	1208	WG	X			8
54	GW-060493	062915	LB	VP-4	1049	WG	X			8
55	GW-060493	062915	CP	VP-5	1041	WG	X			8

Matrix Codes - WG (groundwater), WS (surface water), WP (drinking water source), W (Trip or Temp Blank)

Analytes: NMTPH-DX/Silica Gel Cleanup, BTEX (260B), 6 Oxygenates, MTBE, TBA, DIPA, TAME, ETBE, EDC (260B), EDC (8011), Total Lead (6020), PCBs (8082), PAHs (8070 SIM), VOCs Full list (8260B), Pest (8080), NMTPH-VPH, NMTPH-EPH, TPH-G

REQUESTED ANALYSIS: _____
 TEMPERATURE ON RECEIPT: _____
 Container PID Readings or Laboratory Notes: _____
 LOC: 490
81648

RECEIVED BY (Signature): *[Signature]* DATE: 6/29/15
 RECEIVED BY (Signature): *[Signature]* DATE: 6/30/15
 RECEIVED BY (Signature): *[Signature]* DATE: 6/30/15

SHIPPED VIA FEDEX
 TAN 32
 7/30/2015

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 490-81648-2
SDG Number: SAP#120877/060493

Login Number: 81648
List Number: 1
Creator: Huskey, Adam

List Source: TestAmerica Nashville

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.	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	

