2016 Annual Groundwater Monitoring Report

Shell Branded Wholesale Facility 210 NE 45th Street Seattle, Washington

March 31, 2017

2016 Annual Groundwater Monitoring Report Shell-Branded Wholesale Facility 210 NE 45th Street Seattle, Washington

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List of Acronyms

CUL	Cleanup Level
EPA	Environmental Protection Agency
MDC	Maximum detected concentration
MTCA	Model Toxics Control Act
SOPUS	Shell Oil Products US
TOC	Top of casing
TPH	Total petroleum hydrocarbons
TPH-G	Total petroleum hydrocarbons as gasoline
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 2016 monitoring period.

2. Site Description and Background

2.1 Site Information

Address:	210 Northeast 45 th 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 on the northern side of Northeast 45th St between Thackeray Place Northeast and 2nd Avenue Northeast. The facility consists of a station building located on the northern portion of the 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.

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

3. Field Activities

This section describes the sample collection methods and field observations during semi-annual monitoring field activities. Field activities during 2016 included gauging all 18 wells present on Site, and collection of groundwater samples from 14 wells (MW-1, MW-2, MW-3, MW-6, MW-8, MW- 9, and VP-1 through VP-8); Due to traffic concerns, groundwater gauging and sampling of MW-6 during the second quarter event occurred on a separate day from other wells gauged and sampled. Samples were not collected from MW-9 during the second quarter event because there was insufficient water in the well¹. Monitoring well locations are illustrated in Figures 2 and 3. Well screen details and monitoring objectives are summarized in Table 1.

Groundwater samples collected from the wells during the 2016 monitoring period were analyzed for total petroleum hydrocarbons (TPH), TPH as gasoline range (TPH-G), TPH as diesel range (TPH-D), TPH as oil range (TPH-O), and volatile organic compounds (VOCs): benzene, toluene, ethylbenzene, and total xylenes (BTEX). Results of analytical data are presented in Table 2.

3.1 Fluid Level Gauging

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

¹ MW-9 groundwater depth was recorded from top of casing to a depth of 19.88 feet. The depth to the bottom of the well screen from ground surface is 20 feet.

Groundwater elevations (Table 3) were calculated from the surveyed TOC elevations. Using the calculated groundwater elevations, a groundwater elevation contour map was prepared based on available data (Figures 2 and 3). The groundwater flow direction across the Site during 2016 is generally to the south.

3.2 Groundwater Sampling

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

3.3 Decontamination

The groundwater samples were collected using dedicated and single-use equipment as well as decontaminated clean, reusable equipment. Dedicated equipment included polyethylene and silicone tubing. Single-use sampling equipment included nitrile gloves and laboratory-provided sample containers. Reusable sampling equipment consisted of a water level indicator, peristaltic pump, and YSI Pro water quality meter which were decontaminated prior to use and between wells using non-phosphate soap and deionized water solution and rinsed with distilled or 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 (SOPUS 2015) at an approved waste disposal facility.

4. Analytical Methods and Results

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

4.1 Laboratory Data Review

Data obtained from previous consultants (i.e., pre-Oct 2015) has not been independently reviewed or verified by AECOM, unless otherwise stated in the Report. The data review included review of the chain-of-custody to ensure sample integrity was maintained by verifying that the sample receipt temperature was within an acceptable range, no evident gaps were in the custody chain, and the correct analysis was requested per the scope of work. The case narrative was 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 was 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. In addition, trip and laboratory blanks were evaluated to ensure the integrity of the samples. Detection limits and /or dilutions were 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 were evaluated to ensure that the percent recoveries were within the laboratory generated control limits including spikes, matrix spikes, duplicates, and surrogates. Where issues have been identified, laboratory data has been qualified as appropriate.

4.2 Analytical Methods

Groundwater samples were analyzed for the following:

- TPH-G by Method NWTPH-Gx
- TPH-D and TPH-O by Method NWTPH-Dx
- VOCs by Environmental Protection Agency (EPA) Method 8260C

4.3 Results

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

- TPH-O was not reported above the MTCA Method A CUL of 500 micrograms per liter (µg/L) during either of the 2016 events. The maximum detected concentration (MDC) for TPH-O was 372 µg/L reported in MW-6 during the third quarter.
- Toluene and ethylbenzene were not reported above their respective MTCA Method A CULs of 1,000 µg/L and 700 µg/L during either of the 2016 events. The (MDC) for toluene was 341 µg/L reported in VP-7 during the third quarter event. The MDC for ethylbenzene was 493 µg/L 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, and VP-7. The MDC for TPH-G during 2016 was 8,350 J μg/L 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-3, VP-7, and VP-8. The MDC for TPH-D during 2016 was 3,300 μg/L reported in VP-3 during the third quarter event.
- 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 2016 was 1,990 μg/L reported in VP-7 during the third quarter event.
- Total xylenes were reported above the MTCA Method A CUL of 1,000 μg/L at a concentration of 1,460 μg/L reported in VP-7 during the third quarter.

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 off site well MW-6 located downgradient across Northeast 45th Street in the right-of-way. Groundwater concentrations continue to exceed MTCA Method A CULs for TPH-G, TPH-D, benzene, and total xylenes.

6. Limitations

AECOM has prepared this Report for the sole use of Shell in accordance with the Agreement under which our services were performed. No other warranty, expressed or implied, is made as to the professional advice included in this Report or any other services provided by us. This Report may not be relied upon by any other party without the prior and express written agreement of AECOM. Unless otherwise stated in this Report, the assessments made assume that the Sites and facilities will continue to be used for their current purpose without significant change. The conclusions contained in this Report are based upon information provided by others and upon the assumption that all relevant information has been provided by those parties from whom it has been requested. Information obtained from third parties has not been independently verified by AECOM, unless otherwise stated in the Report.

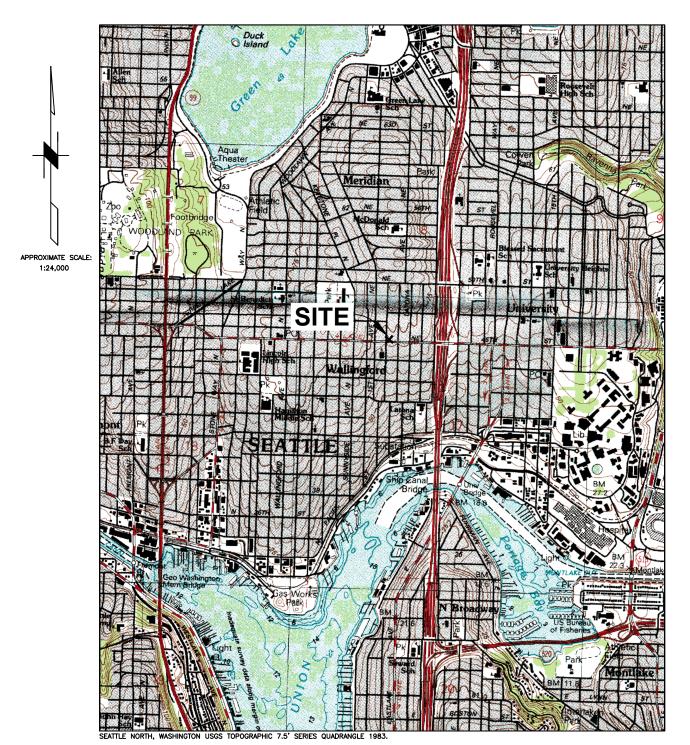
7. References

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

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SOPUS 2015. Residual Management Program. June 1.

Figures



SITE VICINITY MAP

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

FEBRUARY 2017 60527984



FIGURE 1

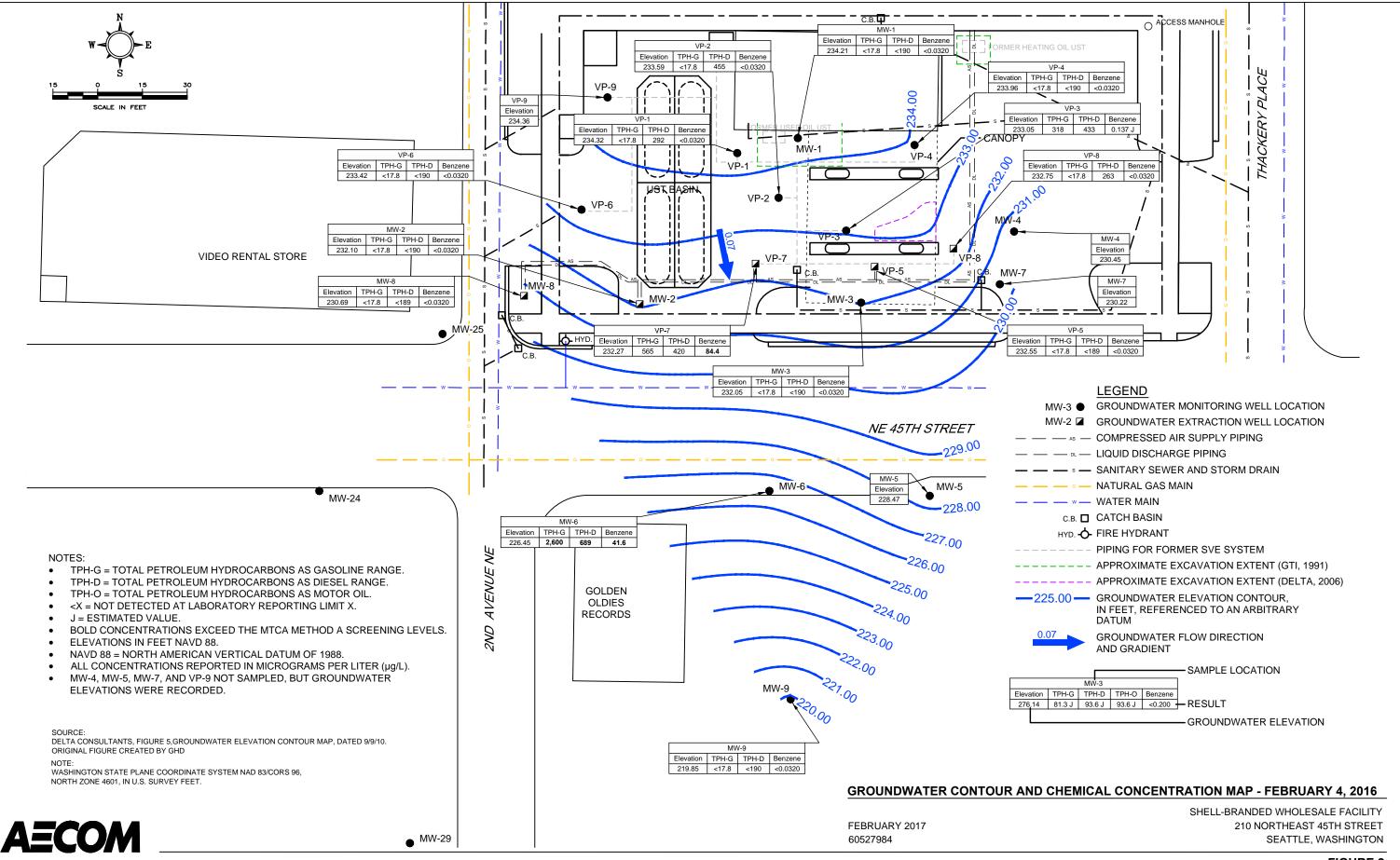


FIGURE 2

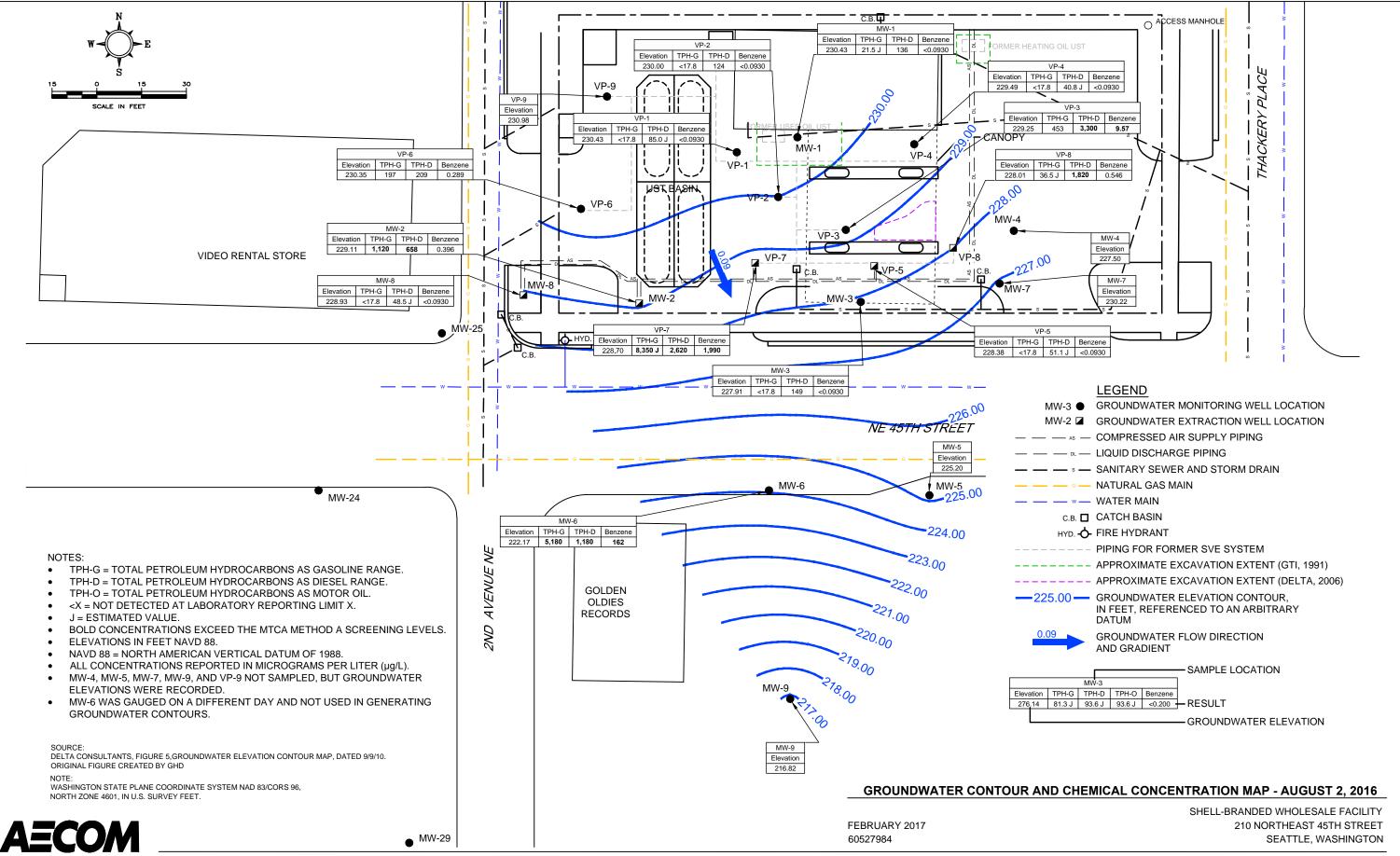


FIGURE 3

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

Monitoring			Installation	Measuring Point Elevation (ft)	Well Screen Interval
Well	Status	Gauged/Sampled	Date	NAVD 88	(ft bgs)
MW-1	Active	G,S	Feb 1991	238.63	5-15
MW-2	Active	G,S	10/22/91	237.51	5-25
MW-3	Active	G,S	10/22/91	238.26	5-15
MW-4	Active	G	10/22/91	238.33	5-15
MW-5	Active	G	10/23/91	235.98	5-20
MW-6	Active	G,S	10/23/91	236.37	5-20
MW-7	Active	G	-	237.54	-
MW-8	Active	G,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	240.67	5-15

<u>Notes:</u> G -Well gauged

S - Well sampled

- - Well detail unknown

ft - feet

bgs - Below ground surface

		Total Pet	roleum Hydroca	rbons (μg/L)			Primary VOCs (µg/L)					Oxy	ygenates (µ	g/L)		Total Metals (µg/L)		Secondary V	OCs (ug/L)
																(#9/=/			νοο (μg/ L)
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
							-												
MTCA Method	A Cleanup Levels	800/1000 ¹	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
MW-1	04/10/97																		
	11/08/00																		
	02/14/01																		
	04/19/01																		
	08/07/01																		
	03/20/02	195	3,440	577	3.13	< 0.5	< 0.5	< 1											
	05/14/02					< 0.5	< 0.5												
	08/22/02																		
	12/03/02																		
	03/06/03																		
	06/12/03																		
	09/16/03																		
	12/17/03																		
	03/23/04																		
	07/07/04																		
	09/15/04																		
	12/13/04																		
	03/15/05																		
	06/13/05																		
	09/27/05																		
	12/19/05																		
	03/20/06																		
	05/02/06																		
	12/08/06																		
	03/08/07																		
	06/27/07	279	34,600	4,610	7.18	< 0.500	< 0.500	< 3.00											
	09/26/07																		
	12/27/07																		
	03/27/08	140	6,400 6,400	< 1,000 a	<1	<1	<1	< 1			< 1	< 1	7.4	< 1	< 1				
	06/25/08	160 Not Sampled - Well	6,100	< 1,000 a	< 1	< 1	< 1	< 1			< 1								
	10/01/08 12/11/08	83	400	 < 500	<1	<1	< 1	 < 1											
	03/10/09		220	< 100	< 0.50	< 1.0	< 1.0	< 1.0			< 1.0	< 2.0	< 10	< 2.0	< 2.0				
	05/27/09	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0				< 2.0		< 2.0 	< 2.0				
	09/01/09	920	1,200	110	< 0.50	< 1.0	< 1.0	< 1.0											
	12/03/09	< 100	410	< 100	< 0.50	< 1.0	< 1.0	< 1.0	< 0.010	0.5									
	02/18/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	< 0.010	< 0.50	< 1.0	< 2.0	< 10	< 2.0	< 2.0			< 0.10	< 0.10
	05/04/10	< 100	130	< 100	< 0.50	< 1.0	< 1.0	< 1.0			< 1.0								
	08/17/10	< 100	210	< 100	< 0.50	< 1.0	< 1.0	< 1.0											
<u> </u>	12/16/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0											
	02/25/11	< 100	189	< 96.2	< 1.00	< 1.00	< 1.00	< 3.00			< 1.00	< 1.00	< 20.0	< 1.00	< 1.00				
	08/11/11	< 100	1,470	< 250	< 1.00	< 1.00	< 1.00	< 3.00											
	02/07/12	< 100	< 96.2	< 240	< 1.00	< 1.00	< 1.00	< 3.00			< 1.00	< 1.00	< 10.0	< 1.00	< 1.00				
	07/31/12	< 100	224	< 94.3	< 1.00	< 1.00	< 1.00	< 3.00											
	01/22/13	< 100	191	< 95.2	< 1.00	< 1.00	< 1.00	< 3.00			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00				
	08/07/13	< 100	644	165	< 1.00	< 1.00	< 1.00	< 2.00											
	03/24/14	< 100	1,920	287	< 1.00	< 1.00	< 1.00	< 3.00			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00				

		Total Pe	troleum Hydroca	rbons (μg/L)			Primary VOCs (µg/L))				Ox	ygenates (µ	g/L)		Total Metals (µg/L)		Secondary V	OCs (µg/L)
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	МТВЕ	TAME	ТВА	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
		<u> </u>	_	-						-									
MTCA Method /	A Cleanup Levels	800/1000 ¹	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	08/27/14	< 100	153	< 93.9	< 1.00	< 1.00	< 1.00	< 2.00											
	01/21/15	< 100	< 93.9	< 93.9	< 1.00	< 1.00	< 1.00	< 2.00			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00				
	06/29/15	< 100	103	< 93.0	< 1.00	< 1.00	< 1.00	< 3.00											
	02/04/16	< 17.8	< 190	< 285	< 0.0320	< 0.0380	< 0.0860	< 0.0160											
	08/02/16	21.5 J	136	< 60.6	< 0.0930	< 0.312	< 0.198	0.683 J											
MW-2	04/10/97	61,900	9,520		21600	17,600	905	5,920											
	07/24/97	46,400	546		8250	4,920	791	4,500											
	01/27/98	14,400	3,070		1610	1,340	114	1,380											
	04/29/98	656	2,160		16	17	1.7	26											
	07/28/98	7,790	583		247	31	217	1,330											
	10/21/98	17,100	6,930		1990	1,350	406	2,600											
	01/20/99	3,680	1,310		75.5	36	145	292											
	04/22/99	8,560	3,760		423	383	140	565											
	07/21/99	1,370	2,810		71.5	3.3	19	46											
	10/26/99	3,070	3,440		112	47	49	124											
	02/23/00	10,500	68,900		191	586	180	889											
	05/31/00	807	2,930		14.5	75	8.1	96											
	08/22/00	195	1,040		12.5	1.7	7.2	7.4											
	11/08/00	8,960	16,000	< 500	58.2	1,190	120	1,490											
	02/14/01	2,180	3,850	< 500	3.92	125	6.61	427											
	04/19/01	1,110	3,570	< 500	10.9	64	18	111											
	08/07/01	9,260	5,320	759	60.4	1,390	121	1,460											
	11/01/01	100	672	< 500	< 0.5	2.9	0.85	6.1											
	03/20/02	148	367	< 500	1.8	18	3.0	15											
	05/14/02	655	< 284	< 568 a	1.87	1.7	0.65	3.4											
	08/22/02	6,800	500	< 750 a	9	500	110	710											
	12/03/02	< 250	< 250	< 750 a	< 1	< 1	< 1	< 1											
	03/06/03	270	< 250	< 500	4.2	2	8.6	7.5											
	06/11/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1											
	09/16/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1											
	12/17/03	7,500	< 250	< 500	6.3	920	150	1,050											
	03/23/04	16,000	1,000	< 500	5.3	1,300	380	2,330											
	07/07/04	11,000	2,900	< 500	< 5	880	280	2,590											
	09/15/04	6,400	1,900	< 500	12	380	150	1,470											
	12/13/04	720	370	< 500	6	15	2.5	230											
	03/15/05	14,000	810	< 1,500 a	170	560	760	4,400											
	06/13/05	< 50	< 250	< 500	< 1	< 1	2.5	7.4											
	09/27/05	6,400	620	< 510 a	530	60	360	1,550											
	12/19/05	< 50.0	414	< 481	0.916	0.525	1.79	11.0											
	03/20/06	769	< 236	< 472	47	7.34	31.1	161											
	05/02/06	6,860 / 6,860	671 / 524	478 / < 476	143 / 147	39.6 / 39.9	326 / 334	1,840 / 1,850	/	/	/	/	/	/	/	/	/	/	/
	12/08/06	16,800	976	< 476	309	56.0	846	4,540											
	03/08/07	3,900	< 243	< 485	62.7	5.95	30.8	780											
	06/27/07	26,900	1,100	< 481	175	48.1	1,360	6,690											
	09/26/07	3,130	< 236	< 472	119	17.7	350	489			< 5.00	< 1.00	< 50.0	< 1.00	< 1.00		< 250		
	12/27/07	1,030 b	< 238	< 476	4.62	2.83	36	292											
	03/27/08	620			1.1	< 1	10	169			< 1	< 1	< 5	< 1	< 1				
	06/25/08	5,800	1,100	< 1,000 a	25	34	880	3,400			< 1								

		Total Pe	troleum Hydroca	rbons (μg/L)			Primary VOCs (µg/L)					Oxy	/genates (µ	g/L)		Total Metals (µg/L)		Secondary V	OCs (µg/L)
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	ТВА	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method A	Cleanup Levels	800/1000 ¹	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	10/01/08	2,200	2,500	< 1,000 a	16	6.6	220	138			< 1								
	12/11/08	2,300	2,800	< 2,000 a	4.3	4.6	130	490											
	03/10/09	1,100	240	< 100	1.1	2.7	38	430			< 1.0	< 2.0	< 10	< 2.0	< 2.0				
	05/27/09	3,500	< 100	< 100	0.72	5.4	300	1,200											
	09/01/09	2,600	670	< 100	2.4	4.7	300	410											
	12/03/09	620	220	< 100	< 0.50	< 1.0	35	170	< 0.010	< 0.50									
	02/18/10	< 100	< 100	< 100	< 0.50	< 1.0	2.4	6.6	< 0.010	< 0.50	< 1.0	< 2.0	< 10	< 2.0	< 2.0			< 0.10	< 0.10
	05/04/10	1,900	1,200	< 100	< 0.50	1.7	250	680			< 1.0					< 1.00		19.7	< 0.50
	08/17/10	4,200	3,300	< 100	< 2.5	< 5.0	500	760											
	12/16/10	200	160	< 100	< 0.50	< 1.0	6.3	15											
	02/25/11	636	378	141	< 1.00	< 1.00	14.3	17.9			< 1.00	< 1.00	< 20.0	< 1.00	< 1.00				
	08/11/11	4,100	804	< 250	< 1.00	2.05	401	227											
	02/07/12	600	331	< 240	< 1.00	< 1.00	14.0	34.1			< 1.00	< 1.00	< 10.0	< 1.00	< 1.00				
	07/31/12																		
	08/01/12	2,440	878	< 94.3	< 1.00	1.81	324	146											
	01/22/13	< 100	< 95.2	< 95.2	< 1.00	< 1.00	< 1.00	< 3.00			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00				
	08/07/13	1,680	432	< 100	< 1.00	1.54	235	22.0											
	03/24/14	130	419	166	< 1.00	< 1.00	9.41	< 3.00			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00				
	08/27/14	2,910	966	< 93.9	< 1.00	1.6	358	59.3											
	01/21/15	148	180	< 93.9	< 1.00	< 1.00	3.28	< 2.00			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00				
	06/29/15	2,480	609	< 93.5	< 1.00	1.94	294	27.7											
	02/04/16	< 17.8	< 190	< 285	< 0.0320	< 0.0380	< 0.0860	< 0.0160											
	08/02/16	1,120	658	< 61.0	0.396	1.71	190	31.7											
MW-3	04/10/97	< 50	< 250		0.559	< 0.5	< 0.5	< 1											
	07/24/97	56	281		34.4	0.66	< 0.5	< 1											
	11/06/97	89	261		606	< 0.5	< 0.5	3.36											
	01/27/98	< 50	273		52.3	< 0.5	< 0.5	< 1											
	04/29/98	178	< 250		786	1.12	< 0.5	< 1											
	07/28/98	175	< 250		193	< 0.5	< 0.5	< 1											
	10/21/98	< 50	< 250		47.5	< 0.5	< 0.5	< 1											
	01/20/99	< 50	< 250		< 0.5	< 0.5	< 0.5	< 1											
	04/22/99	< 50	< 250		2.16	< 0.5	< 0.5	< 1											
	07/21/99	< 50	< 250		< 0.5	< 0.5	< 0.5	< 1											
	10/26/99	< 50	< 371		< 0.5	< 0.5	< 0.5	< 1											
	02/23/00	< 50	< 250		< 0.5	< 0.5	< 0.5	< 1											
	05/31/00	< 1	< 250		< 0.5	< 0.5	< 0.5	< 1											
	08/22/00	158	< 294		9.36	< 0.5	< 0.5	1.14											
	11/08/00	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1											
	02/14/01	< 50	< 250	< 500	2.66	< 0.5	< 0.5	< 1											
	04/19/01	< 50	< 250	< 500	1.45	< 0.5	< 0.5	< 1											
	08/07/01	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1											
	11/01/01	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1											
	03/20/02	< 50	< 250	< 500	0.661	< 0.5	< 0.5	< 1											
	05/14/02	< 50	< 250	< 500	0.868	0.664	< 0.5	1.41											
	08/22/02	< 250	< 250	< 750	< 1	< 1	< 1	< 1											
	12/03/02	< 250	< 250	< 750	< 1	< 1	< 1	< 1											
	03/06/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1											
	06/12/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1											

]	Total Pe	troleum Hydroca	rbons (μg/L)			Primary VOCs (µg/L)					Oxy	ygenates (µ	g/L)		Total Metals (µg/L)		Secondary V	OCs (µg/L)
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	ТВА	DIPE	ETBE	Lead	Ethanol	Naphthalenes	
MTCA Method	A Cleanup Levels	800/1000 ¹	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	09/16/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1											
	12/17/03	< 250	330	< 500	< 1	< 1	< 1	< 1											
	03/23/04	< 250	< 250	< 500	< 1	< 1	< 1	< 1											
	07/07/04	< 250	1,500	< 500	< 1	< 1	< 1	< 1											
	09/15/04	< 250	1,300	< 500	< 1	< 1	< 1	< 1											
	12/13/04	< 250	530	< 500	< 1	< 1	< 1	< 1											
	03/15/05	< 250	< 250	< 500	< 1	< 1	< 1	< 1											
	06/13/05	< 50	< 250	< 500	< 1	< 1	< 1	< 1											
	09/27/05	< 50	440	< 500	< 1	< 1	< 1	< 1											
	12/19/05	< 50.0	396	< 481	< 0.500	< 0.500	< 0.500	< 1.00											
	03/20/06	< 50.0	< 236	< 472	< 0.500	< 0.500	< 0.500	< 1.00											
	05/02/06	< 50.0	< 238	< 476	< 0.500	< 0.500	< 0.500	< 1.00											
	12/08/06	< 50.0	< 245	< 490	0.68	< 0.500	< 0.500	< 3.00											
	03/08/07	< 50.0	< 243	< 485	< 0.500	< 0.500	< 0.500	< 3.00											
	06/27/07	< 50.0	< 240	< 481	< 0.500	< 0.500	< 0.500	< 3.00											
	09/26/07	< 50.0	< 236	< 472	< 0.500	< 0.500	< 0.500	< 3.00			< 5.00	< 1.00	< 50.0	< 1.00	< 1.00		< 250		
	12/27/07	< 50.0	< 238	< 476	< 0.500	< 0.500	< 0.500	< 3.00											
	03/27/08	< 50	< 250	< 500	< 1	< 1	< 1	< 1			< 1	< 1	< 5	< 1	< 1				
	06/25/08	< 50	< 250	< 500	< 1	< 1	< 1	< 1			< 1								
	10/01/08	< 50	< 250	< 500	< 1	< 1	< 1	< 1			< 1								
	12/11/08	< 50	< 250	< 500	< 1	< 1	< 1	1.6											
	03/10/09																		
	05/27/09																		
	09/01/09																		
	12/03/09																		
	02/18/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	< 0.010	< 0.50	< 1.0	< 2.0	< 10	< 2.0	< 2.0			< 0.10	< 0.10
	05/05/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0			< 1.0					< 1.00		< 0.10	< 0.10
	08/17/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0											
	12/16/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0											
	02/25/11	< 100	< 96.2	< 96.2	< 1.00	< 1.00	< 1.00	< 3.00			< 1.00	< 1.00	< 20.0	< 1.00	< 1.00				
	08/11/11	< 100	< 100	< 250	< 1.00	< 1.00	< 1.00	< 3.00											
	02/07/12	< 100	< 96.2	< 240	< 1.00	< 1.00	< 1.00	< 3.00			< 1.00	< 1.00	< 10.0	< 1.00	< 1.00				
	07/31/12	< 100	< 94.3	< 94.3	< 1.00	< 1.00	< 1.00	< 3.00											
	01/22/13	< 100	< 95.2	< 95.2	< 1.00	< 1.00	< 1.00	< 3.00			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00				
	08/07/13	< 100	207	< 100	< 1.00	< 1.00	< 1.00	< 2.00											
	03/24/14	< 100	< 93.9	< 93.9	< 1.00	< 1.00	< 1.00	< 3.00			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00				
	08/27/14	< 100	< 93.9	< 93.9	< 1.00	< 1.00	< 1.00	< 2.00											
	01/21/15	< 100	< 93.9	< 93.9	< 1.00	< 1.00	< 1.00	< 2.00			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00				
	06/29/15	< 100	< 93.0	< 93.0	< 1.00	< 1.00	< 1.00	< 3.00											
	02/04/16	< 17.8	< 190	< 284	< 0.0320	< 0.0380	< 0.0860	< 0.0160											
	08/02/16	< 17.8	149	< 61.4	< 0.0930	< 0.312	< 0.198	< 0.162											
MW-4	04/10/97																		
	07/24/97																		
	01/27/98																		
	04/29/98																		
	07/28/98																		
	10/21/98																		
	01/20/99																		

		Total Pet	roleum Hydrocai	rbons (μg/L)			Primary VOCs (µg/L)					Ox	ygenates (µ	ıg/L)		Total Metals (µg/L)		Secondary V	OCs (µg/L)
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	ТВА	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method	A Cleanup Levels	800/1000 ¹	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
WIT OF CINICULOU	04/22/99																		
	07/21/99																		
	10/26/99																		
	02/23/00																		
	05/31/00																		
	08/22/00																		
	11/08/00																		
	02/14/01																		
	04/19/01																		
	08/07/01																		
	11/01/01																		
	03/20/02	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1											
	05/14/02																		
	08/22/02																		
	12/03/02																		
	03/06/03																		
	06/12/03																		
	09/16/03																		
	12/17/03																		
	03/23/04																		
	07/07/04																		
	09/15/04																		
	12/13/04																		
	03/15/05																		
	06/13/05																		
	09/27/05																		
	12/19/05																		
	03/20/06																		
	05/02/06																		
	12/08/06																		
	03/08/07																		
	06/27/07	< 50.0	< 240	< 481	< 0.500	< 0.500	< 0.500	< 3.00											
	09/26/07 12/27/07																		
	03/27/08	 < 50	< 250	 < 500	< 1	<1	< 1	< 1			 < 1	 < 1	 < 5	< 1	 < 1				
	06/25/08	< 50	< 250	< 500	<1	< 1	<1	< 1			<1	< 1	< 5	< 1 	< 1				
	10/01/08	< 50	< 250	< 500	<1	< 1	<1	<1			<1								
	12/11/08	< 50	< 250	< 500	<1	< 1	<1	<1											
	03/10/09																		
	05/27/09																		
	09/01/09																		
	12/03/09																		
	02/18/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	< 0.010	< 0.50	< 1.0	< 2.0	< 10	< 2.0	< 2.0			< 0.10	< 0.10
	05/05/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0			< 1.0					< 1.00		< 0.10	< 0.10
	08/17/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0											
	12/16/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0											
	02/25/11	< 100	< 97.1	383	< 1.00	< 1.00	< 1.00	< 3.00			< 1.00	< 1.00	< 20.0	< 1.00	< 1.00				
	08/11/11	< 100	< 96.2	< 240	< 1.00	< 1.00	< 1.00	< 3.00											

	ſ	Total Pe	troleum Hydroca	rbons (μg/L)			Primary VOCs (µg/L))				Ox	ygenates (µ	g/L)		Total Metals (µg/L)		Secondary V	OCs (µg/L)
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	МТВЕ	TAME	ТВА	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
		- 1			_					-					· · · =				
MICA Method	A Cleanup Levels	800/1000 ¹	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	02/07/12	< 100	< 96.2	< 240	< 1.00	< 1.00	< 1.00	< 3.00			< 1.00	< 1.00	< 10.0	< 1.00	< 1.00				
	07/31/12	< 100	< 94.3	< 94.3	< 1.00	< 1.00	< 1.00	< 3.00											
	01/22/13	< 100	< 95.2	< 95.2	< 1.00	< 1.00	< 1.00	< 3.00			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00				
	08/07/13	< 100	< 100	< 100	< 1.00	< 1.00	< 1.00	< 2.00											
	03/24/14	< 100	< 93.9	< 93.9	< 1.00	< 1.00	< 1.00	< 3.00			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00				
	08/27/14																		
	01/21/15																		
	06/29/15																		
	02/04/16 08/02/16																		
MW-5	08/02/16																		
0-10100	07/24/97																		
	01/27/98																		
	04/29/98																		
	07/28/98																		
	10/21/98	< 50	< 250	NA	< 0.5	< 0.5	< 0.5	< 1											
	01/20/99		~ 250																
	04/22/99																		
	07/21/99																		
	10/26/99																		
	02/23/00																		
	05/31/00																		
	08/22/00																		
	11/08/00																		
	02/14/01																		
	04/19/01																		
	08/07/01																		
	11/01/01																		
	03/20/02	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1											
	05/14/02																		
	08/22/02																		
	12/03/02																		
	03/06/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1											
	06/12/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1											
	09/16/03																		
	12/17/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1											
	03/23/04																		
	07/07/04																		
	09/15/04																		
	12/13/04																		
	03/15/05																		
	06/13/05																		
	09/27/05																		
	12/19/05																		
	03/20/06																		
	05/02/06																		
	12/08/06																		
	03/08/07																		

		Total Pet	roleum Hydroca	rbons (μg/L)			Primary VOCs (µg/L)					Ox	ygenates (µ	g/L)		Total Metals (µg/L)		Secondary V	OCs (µɑ/L)
	Data			Malan O'l Dan an	_		Etherline												
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method	A Cleanup Levels	800/1000 ¹	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
in to, the field a	06/27/07	< 50.0	< 240	< 481	< 0.500	< 0.500	< 0.500	< 3.00											
	09/26/07																		
	12/27/07																		
	03/27/08	< 50	< 250	< 500	< 1	< 1	< 1	< 1			< 1	< 1	< 5	< 1	< 1				
	06/25/08	< 50	< 250	590	< 1	< 1	< 1	< 1			< 1								
	10/01/08	< 50	310	< 500	< 1	< 1	< 1	< 1			< 1								
	12/11/08	< 50	< 250	< 500	< 1	< 1	< 1	< 1											
	03/10/09																		
	05/27/09																		
	09/01/09																		
	12/03/09	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	< 0.010	< 0.50									
	02/18/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	< 0.010	< 0.50	< 1.0	< 2.0	< 10	< 2.0	< 2.0			< 0.10	< 0.10
	05/05/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0			< 1.0					2.63		< 0.10	< 0.10
	08/17/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0											
	12/16/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0											
	02/25/11	< 100	< 95.2	1,790	< 1.00	< 1.00	< 1.00	< 3.00			< 1.00	< 1.00	< 20.0	< 1.00	< 1.00				
	08/11/11	< 100	< 100	< 250	< 1.00	< 1.00	< 1.00	< 3.00											
	02/07/12	< 100	< 95.2	< 238	< 1.00	< 1.00	< 1.00	< 3.00			< 1.00	< 1.00	< 10.0	< 1.00	< 1.00				
	07/31/12	< 100	< 94.3	489	< 1.00	< 1.00	< 1.00	< 3.00											
	01/22/13	< 100	< 95.2	< 95.2	< 1.00	< 1.00	< 1.00	< 3.00			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00				
	08/07/13	< 100	< 100	< 100	< 1.00	< 1.00	< 1.00	< 2.00											
	03/24/14	< 100	< 93.9	136	< 1.00	< 1.00	< 1.00	< 3.00			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00				
	08/27/14																		
	01/21/15																		
	06/29/15																		
	02/04/16																		
	08/02/16																		
MW-6	04/10/97	55.1	< 250		28.1	< 0.5	< 0.5	< 1											
	07/24/97	354	348		49.4	0.78	< 0.5	1.85											
	11/06/97	24,100	462		6870	4,870	342	1,970											
	01/27/98	18,200	373		4660	3,670	304	1,600											
	04/29/98	33,700	1,970		4730	5,190	496	2,600											
	07/28/98	58,200	400		6160	8,230	1,190	6,200											
	10/21/98 01/20/99	7,050 2,300	< 250		1780	946	256	849											
	01/20/99	2,300	< 250 299		868 3600	222 3,490	102 488	226 2,330											
	07/21/99	41,200	299 272		6840	6,590	1,090	2,330											
	10/26/99	55,400	405		7780	8,270	1,350	6,970											
	02/23/00	5,970	405 < 250		1370	416	280	838											
	05/31/00	34,500	295		3250	410	1,020	4,990											
	08/22/00	50,300	318		5500	6,900	1,440	7,450											
	11/08/00	22,400	836	< 500	3480	2,990	778	3,750											
	02/14/01	12,200	< 250	< 500	1660	1,260	463	1,980											
	04/19/01	18,500	301	< 500	3230	2,020	691	2,990											
	08/07/01	21,100	923	< 500	3580	1,810	841	3,920											
	11/01/01	19,700	< 250	< 500	2860	1,050	841	3,000											
	03/20/02	12,800	295	< 500	2510	1,130	458	1,240											
	05/14/02	21,100	330	< 500	3930	2,100	759	3,300											
L	55/17/0Z	_1,100	000	1000		2,100		3,000			l		l	I	I	1	1	I	

		Total Pe	troleum Hydroca	rbons (µg/L)			Primary VOCs (µg/L)					Ox	ygenates (µ	g/L)		Total Metals (µg/L)		Secondary V	OCs (µg/L)
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	ТВА	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Mathad		20040001	500	500		1000	700	1000	0.01		20					45		400	0.1
WICA Method	A Cleanup Levels	800/1000 ¹	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	08/22/02	14,000 / 15,000	700 / 700	< 750 / < 750	2,300 / 2,300	1,100 / 1,100	400 / 410	2,030 / 2,040	/	/	/	/	/	/	/	/	/	/	/
	12/03/02	24,000	< 250	< 750	2500	910	710	2,830											
	03/06/03 06/12/03	4,200 32,000	370 530	< 1,000 < 500	1100 5500	48	280 1,300	600											
	09/16/03	19,000	720		3100	1,200	990	4,820											
	12/17/03	4,700	440	< 500	1400	340	320	3,350 621											
	03/23/04	19,000	570	< 500 < 500	3200	51 1,000	790	2,930											
	07/07/04	29,000	1,800	< 500	3900	860	1,000	4,060											
	09/15/04	29,000	4,800	< 1,000 a	4600	350	1,300	4,500											
	12/13/04	16,000	< 250	< 500 a	2100	160	960	2,460											
	03/15/05	14,000 / 14,000	260 / 260	< 500 / < 500	1,300 / 1,300	210 / 200	1,100 / 1,100	2,400											
	06/13/05	20,000	< 250	< 500	1800	390	1,500	3,790											
	09/27/05	19,000 / 19,000	< 250 / 280	< 500 / < 520	2,100 / 2,000	320 / 320	1,500 / 1,400	3,800 / 3,580	/	/	/	/	/	/	/	/	/	/	/
	12/19/05	18,600	425	< 485	1790	194	1,410	2,680											
	03/20/06	8,980	< 236	< 472	522	109	745	961											
	05/02/06	21,400	246	< 476	1300	557	1,500	3,230											
	12/08/06																		
	03/08/07																		
	06/27/07	26,900	2,000	490	1480	323	1,730	3,760											
	09/26/07	16,700	257	< 472	1890	289	2,060	< 300			< 5.00	< 1.00	< 50.0	< 1.00	< 1.00		< 250		
	12/27/07	7,870	681	1,300	417	88.7	603	989											
	03/27/08	12,000	< 250	< 500	340	120	930	1,365			< 1	< 1	8.6	< 1	< 1				
	06/25/08	13,000	450	510	320	140	920	1,762			< 10								
	10/01/08	11,000	410	< 500	330	100	810	1,323			< 20								
	12/11/08	7,500	< 250	< 500	130	61	540	892											
	03/10/09	6,000	< 100	< 100	85	23	370	480			< 1.0	< 2.0	< 10	< 2.0	< 2.0				
	05/27/09	4,900	< 100	< 100	110	41	390	500											
	09/01/09	6,800	1,600	< 100	130	25	300	440											
	12/03/09	4,400	1,700	< 100	76	17	270	270	< 0.010	< 1.0									
	02/18/10	4,100	1,700	< 100	100	25	400	410	< 0.010	< 1.0	< 2.0	< 4.0	< 20	< 4.0	< 4.0			111	< 2.5
	05/05/10	5,200	1,700	150	140	36	610	930			< 1.0					4.51		38	< 1.0
	08/17/10	4,900	2,300	< 100	150	32	450	610											
	12/16/10	4,100	1,800	170	120	20	470	470											
	02/25/11	7,650	1,720	8,160	81.5	16.9	557	509			< 1.00	< 1.00	< 20.0	< 1.00	< 1.00				
	08/11/11	13,400	1,170	834	418	45.4	816	1,140											
	02/07/12	4,880	1,100	362	83.8	11.9	451	459			< 1.00	< 1.00	< 10.0	< 1.00	< 1.00				
	07/31/12																		
	08/01/12	12,000	1,880	408	184	34.9	857	1,140											
	01/22/13	5,240	826	165	89.0	8.35	360	169			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00				
	08/07/13	2,090	1,230	513	171	22.2	792	1,130											
	03/24/14	6,160	1,150	1,900	52.2	8.56	407	198			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00				
	08/27/14	7,990	1,780	1,570	167	25.4	923	885											
	01/21/15	5,010	1,160	285	68.1	8.82	292	124			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00				
	06/29/15	9,510	1,210	236	148	20.9	543	589											
	02/04/16	2,600	689	< 285	41.6	4.51	197	49.9											
	08/09/16	5,180	1,180	372	162	17.4	493	437											
MW-7	04/10/97	< 50	< 250		< 0.5	< 1	< 0.5	< 1											
	07/24/97	< 50	< 250		< 0.5	< 1	< 0.5	< 1											

		Total Pe	troleum Hydroca	rbons (μg/L)			Primary VOCs (µg/L)					Oxy	/genates (µ	g/L)		Total Metals (µg/L)		Secondary V	OCs (µg/L)
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	МТВЕ	TAME	ТВА	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method	A Cleanup Levels	800/1000 ¹	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
MT O/ Mictiliou	11/06/97	< 50	< 250		< 0.5	< 1	< 0.5	< 1											
	01/27/98	< 50	< 250		< 0.5	< 1	< 0.5	<1											
	04/29/98	< 50	< 250		< 0.5	0.56	< 0.5	<1											
	07/28/98	< 50	< 250		< 0.5	< 0.5	< 0.5	<1											
	10/21/98	< 50	< 250		< 0.5	< 0.5	< 0.5	<1											
	01/20/99	< 50	< 250		< 0.5	< 0.5	< 0.5	<1											
	04/22/99	< 50	< 250		< 0.5	< 0.5	< 0.5	<1											
	07/21/99	< 50	< 250		< 0.5	< 0.5	< 0.5	<1											
	10/26/99	< 50	< 311		< 0.5	< 0.5	< 0.5	<1											
	02/23/00	< 50	< 509 a		< 0.5	< 0.5	< 0.5	<1											
	05/31/00	< 50	< 250		< 0.5	0.79	< 0.5	1.48											
	08/22/00	< 50	< 494		< 0.5	< 0.5	< 0.5	<1											
	11/08/00	< 50	< 295	< 590	< 0.5	< 0.5	< 0.5	<1											
	02/14/01	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	<1											
	04/19/01	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	<1											
	08/07/01	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1											
	11/01/01	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1											
	03/20/02	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1											
	05/14/02	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1											
	08/22/02	< 250	< 250	< 750	< 1	< 1	< 1	< 1											
	12/03/02	< 250	< 250	< 750	< 1	< 1	< 1	< 1											
	03/06/03	< 250	< 250	< 500	< 1	< 1	< 1	<1											
	06/12/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1											
	09/16/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1											
	12/17/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1											
	03/23/04	< 250	< 250	< 500	< 1	< 1	< 1	< 1											
	07/07/04	< 250	< 250	< 500	< 1	< 1	< 1	< 1											
	09/15/04	< 250	< 250	< 500	< 1	< 1	< 1	< 1											
	12/13/04	< 250	< 250	< 500	< 1	< 1	< 1	2.4											
	03/15/05	< 250	< 250	< 500	< 1	< 1	< 1	< 1											
	06/13/05	< 50	< 250	< 500	< 1	< 1	< 1	< 1											
	09/27/05	< 50	< 250	< 500	< 1	< 1	< 1	< 1											
	12/19/05	< 50.0	< 240	< 481	< 0.500	< 0.500	< 0.500	< 1.00											
	03/20/06	< 50.0	< 236	< 472	< 0.500	< 0.500	< 0.500	< 1.00											
	05/02/06	< 50.0	< 238	< 476	< 0.500	< 0.500	< 0.500	< 1.00											
	12/08/06	< 50.0	< 245	< 490	< 0.500	< 0.500	< 0.500	< 3.00											
	03/08/07	< 50.0	< 250	< 500	< 0.500	< 0.500	< 0.500	< 3.00											
	06/27/07	< 50.0	< 240	< 481	< 0.500	< 0.500	< 0.500	< 3.00											
	09/26/07	< 50.0	< 236	< 472	< 0.500	< 0.500	< 0.500	< 3.00			< 5.00	< 1.00	< 50.0	< 1.00	< 1.00		< 250		
	12/27/07	< 50.0	< 236	< 472	< 0.500	< 0.500	< 0.500	< 3.00											
	03/27/08	Not Sampled - Too	much traffic																
	06/25/08																		
	10/01/08																		
	12/11/08																		
	03/10/09																		
	05/27/09																		
	09/01/09																		
	12/03/09																		

Weil D Date Gescine Range Desc / Range Motor OI Range Benzene Tolures Elliptenzme Total Xyless EDB EDD MTBL TAML TBA DIPE ETBE Lea MICA Method A Cleanup Level 800*000 ¹ 500 500 5 1000 700 100 0.01 5 50 NI NI <th></th> <th></th> <th>Total Pet</th> <th>roleum Hydroca</th> <th>rbons (µg/L)</th> <th></th> <th></th> <th>Primary VOCs (µg/L)</th> <th>1</th> <th></th> <th></th> <th></th> <th>Oxy</th> <th>ygenates (µ</th> <th>ıg/L)</th> <th></th> <th>Total Metals (µg/L)</th> <th></th> <th>Secondary V</th> <th></th>			Total Pet	roleum Hydroca	rbons (µg/L)			Primary VOCs (µg/L)	1				Oxy	ygenates (µ	ıg/L)		Total Metals (µg/L)		Secondary V	
Description Description Description Description Description Description Description Description Description MTCA Method A Clampe Liveling S000 (00) 500 5 1000 770 10000 0.01 5 20 NE																	(µg/L)		Secondary V	003 (μg/L)
Description Description Description Description Description Description Description Description MTCA Method A Classing Lavels 5001000 ⁺ 5000 5 10000 ⁺ 7000 ⁻ 10000 ⁻ 0.011 5 20 NE <																				
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656440		02/18/10																		
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$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	MW-8																			
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$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		07/31/12																		
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04/19/01 302 1,200 < 500														-		-				
08/07/01 511 397 < 500																				
11/01/01 273 5,630 2,320 61.5 < 0.5														-						
03/20/02 1,860 5,160 1,030 369 147 52 238 <																				
05/14/02 106 362 <500 9.75 3.1 6.4 16																				
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UN/22/UZ I 1.000 I 3.300 I < /.500 I 25 I 2.0 I 46 I 21 I I I I I I I I I I		08/22/02	1,000	3,300	< 7,500	25	2.0	46	21											
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									1											
			< 250				< 1	< 1	< 1											
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							< 1	19	5.1											
							2.7													

	[Total Pe	troleum Hydroca	rbons (μg/L)			Primary VOCs (µg/L)					Ox	/genates (µ	g/L)		Total Metals (µg/L)		Secondary V	OCs (ua/L)
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	МТВЕ	TAME	ТВА	DIPE	ETBE	Lead	Ethanol	Naphthalenes	
	2 0.10	Casoline Range	2.0001 Hallige	ineter en riange	Denzene	Toldelle			LDD	LDC	IVIT DL	TAME	TDA			Leau	Linanoi	Naphthalenes	
MTCA Method	A Cleanup Levels	800/1000 ¹	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
WIT OA Method	09/27/05	800/1000	< 250					46											
	12/19/05	2,910	< 250 552	< 500 < 481	28 331	8.3 25.3	52 221	276											
	03/20/06	< 50.0 / < 50.0	< 236 / < 236	< 472 / < 472	< 0.500 / < 0.500	< 0.500 / < 0.500	< 0.500 / < 0.500	< 1.00 / < 1.00	/	/	/	/	/	/	/	/	/	/	/
	05/02/06	< 50.0	< 236	< 472	0.887	< 0.500	< 0.500	< 1.00				/					/		
	12/08/06	< 50.0	< 263	< 526	< 0.500	< 0.500	< 0.500	< 3.00											
	03/08/07	< 50.0	< 245	< 490	< 0.500	< 0.500	< 0.500	< 3.00											
	06/27/07	< 50.0	< 240	< 481	< 0.500	< 0.500	< 0.500	< 3.00											
	09/26/07	50.4	< 236	< 472	0.84	< 0.500	< 0.500	< 3.00			< 5.00	< 1.00	< 50.0	< 1.00	< 1.00		< 250		
	12/27/07	< 50.0	< 236	< 472	0.65	< 0.500	1.48	< 3.00											
	03/27/08	< 50	< 250	< 500	<1	<1	< 1	< 1			< 1	< 1	< 5	< 1	< 1				
	06/25/08	< 50	790	< 1,000 a	<1	<1	<1	< 1			< 1								
	10/01/08	< 50	1,100	< 500	<1	<1	< 1	< 1			< 1								
	12/11/08	< 50	< 250	< 500	<1	<1	<1	< 1											
	03/10/09	< 100	150	< 100	< 0.50	< 1.0	< 1.0	< 1.0			< 1.0	< 2.0	< 10	< 2.0	< 2.0				
	05/27/09	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0											
	09/01/09	2,400	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0											
	12/03/09	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	< 0.01	< 0.50									
	02/18/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	< 0.010	< 0.50	< 1.0	< 2.0	< 10	< 2.0	< 2.0			< 0.10	< 0.10
	05/05/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0			< 1.0					1.01		< 0.10	< 0.10
	08/17/10																		
	12/16/10																		
	02/25/11																		
	08/11/11																		
	02/07/12																		
	07/31/12																		
	01/22/13																		
	08/07/13																		
	03/24/14																		
	08/27/14	< 100	472	< 93.9	< 1.00	< 1.00	< 1.00	< 2.00											
	01/21/15																		
	01/22/15	< 100	< 93.9	< 93.9	< 1.00	< 1.00	1.28	2.66			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00				
	06/29/15	< 100	< 93.0	< 93.0	< 1.00	< 1.00	< 1.00	< 3.00											
	02/04/16	< 17.8	< 189	< 284	< 0.0320	< 0.0380	< 0.0860	< 0.0160											
	08/02/16	< 17.8	48.5 J	< 60.8	< 0.0930	< 0.312	< 0.198	< 0.162											
MW-9	07/31/14																		
	08/25/14																		
	08/27/14																		
	01/21/15																		
	02/18/15																		
	03/05/15																		
	03/17/15																		
	06/29/15																		
	02/04/16	< 17.8	< 190	< 285	< 0.0320	0.146 J	< 0.0860	< 0.0160											
	08/02/16	Insufficient water to	o sample																
MW-24	04/10/97	2,360	2,930		1,560	27	158	241											
	07/24/97	10,600	3,860		1,980	48	518	830											
	11/06/97	6,560	6,290		2,400	98	471	582											
	01/27/98	5,670	4,350		2,000	44	473	723											

		Total Pe	troleum Hydroca	rbons (μg/L)			Primary VOCs (µg/L)					Oxy	/genates (µ	g/L)		Total Metals (µg/L)		Secondary V	OCs (µg/L)
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method	A Cleanup Levels	800/1000 ¹	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	04/29/98	4,690	3,300		1,230	21	336	433											
	07/28/98	3,880	3,160		1,470	20	319	384											
	10/21/98	2,140	1,540		709	< 10	161	153											
	01/20/99	5,310	9,020		1,740	37	470	601											
	04/22/99	3,930	1,170		1,260	28	427	473											
	07/21/99	6,350	1,130		2,210	42	579	652											
	10/26/99	2,980	< 284		483	27	140	168											
	02/23/00	4,020	3,430		1,460	28	469	438											
	05/31/00	4,240	399		1,340	21	386	323											
	08/22/00 11/08/00	3,170 8,560	3,110 4,880	5,290	890 861	15 10	306 273	287 264											
	02/14/01	3,900	4,880	3,140	906	21	273	204											
	02/14/01	5,020	2,440	4,780	1,410	< 25	458	411											
	04/19/01	3,170	2,410	4,780	686	11	279	267											
	11/01/01	4,050	503	811	407	< 10	254	241											
	03/20/02	3,850	1,510	2,350	629	13	273	323											
	05/14/02	3,750	1,760	3,320	670	12	400	344											
	08/22/02	2,300	< 250	< 750	230	4.0	130	103											
	12/03/02	1,600	< 250	< 750	180	< 1	89	63											
	03/06/03	3,500	23,000	< 12,000	930	19	400	300											
	06/12/03	3,400	< 250	< 500	840	14	400	232											
	09/16/03	1,500	< 250	< 500	150	3.5	99	72											
	12/17/03	2,600	320	< 500	930	13	300	120											
	03/23/04																		
	07/07/04	4,500	3,900	< 2,500	800	13	430	160											
	09/15/04	2,500	3,100	700	520	7	230	97											
	12/13/04	4,000	340	650	830	15	310	140											
	03/15/05	Sheen present in w	ell - no sample ta	aken.															
	06/13/05	Sheen present in w	ell - no sample ta	aken.															
	09/27/05	Sheen present in w	ell - no sample ta	aken.															
	12/19/05	Sheen present in w	ell - no sample ta	aken.															
		Sheen present in w																	
		Sheen present in w																	
	12/08/06	3,960	17,100	16,500	800	< 50.0	341	< 300											
	03/08/07	574	576	1,670	1.12	< 0.500	3.32	< 3.00											
	06/27/07	3,190	800	1,040	587	6.76	180	35.1											
	09/26/07	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	2,940	2,430	8,010	297	7.46	130	28.7											
	03/27/08	3,700	1,200	3,700	490	< 10	220	69 77			< 10	< 10	< 50	< 10	< 10				
	06/25/08	4,700	850	2,500	570	11	300	77			< 10								
	10/01/08	1,000 2,900	< 250 < 250	< 500	25 380	2	3.8 150	5.7			< 1								
	12/11/08 03/10/09	2,900 Not Sampled - Con		< 500	380	11		26											
	05/27/09	3,100	< 100	< 100	260	< 5.0	130	23			< 5.0	< 10	< 50	< 10	< 10				
	09/01/09	8,300	540	< 100	8.3	< 5.0	15	9.7			< 5.0		< 50	< 10	< 10 				
	12/04/09	1,100	1,400	670	130	2.9	90	9.7 10	< 0.010	< 0.50									
	02/18/10	130	< 100	< 100	150	< 1.0	4.8	< 1.0	< 0.010	< 0.50	< 1.0	< 2.0	< 10	< 2.0	< 2.0			1.71	< 0.10
																			< 0.10
	05/05/10	< 100	< 100	< 100	3	< 1.0	< 1.0	< 1.0			< 1.0					1.55		< 0.10	<

		Total Pe	troleum Hydroca	rbons (μg/L)			Primary VOCs (µg/L))				Ox	ygenates (µ	g/L)		Total Metals (µg/L)		Secondary V	OCs (µg/L)
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
						(000		1000		-								100	
MICA Method	A Cleanup Levels	800/1000 ¹	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	08/17/10	950	310	< 100	58	4.1	67	5.2											
	12/16/10	< 100	< 100	290	< 0.50	< 1.0	< 1.0	< 1.0											
	02/25/11 08/11/11	3,220 1,900	1,590 277	9,350 < 250	48.3 124	2.65 5.12	71.7	12.9 17.5			< 1.00	< 1.00	< 20.0	< 1.00	< 1.00				
	02/07/12	1,900	< 95.2	< 238	124	< 1.00	109	< 3.00			< 1.00	< 1.00	< 10.0	< 1.00	< 1.00				
	07/31/12										< 1.00	< 1.00			< 1.00				
	08/01/12	1.300	438	< 94.3	107	6.10	115	18.6											
MW-25	04/10/97	246	311		8.27	3.0	29	21											
1111 20	07/24/97	283	353		8.46	3.3	29	18											
	11/06/97	< 50	< 250		4.18	0.59	3.3	2.3											
	01/27/98	< 50	< 250		3.76	< 0.5	1.2	1.1											
	04/29/98	248	< 250		2.48	1.4	19	12											
	07/28/98	304	< 250		5.88	2.8	28	16											
	10/21/98	172	< 250		0.923	2.4	19	19											
	01/20/99	< 50	< 250		< 0.5	< 0.5	< 0.5	<1											
	04/22/99	< 50	< 250		< 0.5	< 0.5	< 0.55	< 1											
	07/21/99	53	< 250		< 0.5	< 0.5	3.6	2.3											
	10/26/99	< 50	1,090		< 0.5	< 0.5	1.2	1.3											
	02/23/00	< 50	< 250		< 0.5	< 0.5	< 0.5	< 1											
	05/31/00	77	< 250		1.21	< 0.5	1.1	1.5											
	08/22/00	168	< 473		0.95	1.4	15	7.8											
	11/08/00	< 50	< 293	< 585	< 0.5	< 0.5	0.65	< 1											
	02/14/01	85	< 250	< 500	< 0.5	0.67	6.8	5.6											
	04/19/01	< 50	< 250	< 500	< 0.5	< 0.5	1.6	1.5											
	08/07/01	65	< 250	< 500	< 0.5	< 0.5	3.5	< 1											
	11/01/01	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1											
	03/20/02	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1											
	05/14/02	234	< 250	< 500	0.754	0.84	17	14											
	08/22/02	< 250	< 250	< 750	< 1	< 1	< 1	< 1											
	12/03/02	< 250	< 250	< 750	< 1	< 1	2.1	2.5											
	03/06/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1											
	06/12/03	< 250	< 250	< 500	< 1	1.2	14	2.2											
	09/16/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1											
	12/17/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1											
	03/23/04	< 250	< 250	< 500	< 1	< 1	< 1	< 1											
	07/07/04	< 250	< 250	< 500	< 1	< 1	9	1.4											
	09/15/04	< 250	< 250	< 500	< 1	< 1	< 1	< 1											
	12/13/04	< 250	< 250	< 500	< 1	< 1	< 1	< 1											
	03/05/05	< 250	< 250	< 500	< 1	< 1	5.5	< 1											
	06/13/05	84	< 250	< 500	< 1	< 1	2.5	< 1											
	09/27/05	53	< 250	< 500	< 1	< 1	< 1	< 1											
	12/19/05	54.2	< 240	< 481	< 0.500	< 0.500	0.800	< 1.00											
	03/20/06	< 50.0	< 236	< 472	< 0.500	< 0.500	< 0.500	< 1.00											
	05/02/06	< 50.0	258	< 472	< 0.500	< 0.500	0.563	< 1.00											
	12/08/06	< 50.0	< 248	< 495	< 0.500	< 0.500	< 0.500	< 3.00											
	03/08/07	< 50.0	< 245	< 490	< 0.500	< 0.500	< 0.500	< 3.00											
	06/27/07	74.0	< 240	< 481	< 0.500	< 0.500	< 0.500	< 3.00											
	09/26/07	< 50.0	< 236	< 472	< 0.500	< 0.500	< 0.500	< 3.00			< 5.00	< 1.00	< 50.0	< 1.00	< 1.00		< 250		

		Total Pet	troleum Hydroca	rbons (μg/L)			Primary VOCs (µg/L))				Oxy	/genates (µ	g/L)		Total Metals (µg/L)		Secondary V	OCs (ug/L)
																(#9/=/			000 (µg/L)
																			İ
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method	A Cleanup Levels	800/1000 ¹	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	12/27/07	< 50.0	< 236	< 472	0.63	< 0.500	< 0.500	< 3.00											
	03/27/08	< 50	< 250	< 500	< 1	< 1	< 1	< 1			< 1	< 1	< 5	< 1	< 1				
	06/25/08	< 50	< 250	< 500	< 1	< 1	< 1	< 1			< 1								
	10/01/08	54	< 250	< 500	< 1	< 1	< 1	< 1			< 1								
	12/11/08	< 50	< 250	< 500	< 1	< 1	< 1	< 1											
	03/10/09	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0			< 1.0	< 2.0	< 10	< 2.0	< 2.0				
	05/27/09	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0											
	09/01/09	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0											
	12/03/09	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	< 0.010	< 0.50									
	02/18/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	< 0.010	< 0.50	< 1.0	< 2.0	< 10	< 2.0	< 2.0				
	05/05/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0			< 1.0							< 0.10	< 0.10
	08/17/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0											
	12/16/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0											
	02/25/11	< 100	< 97.1	188	< 1.00	< 1.00	< 1.00	< 3.00			< 1.00	< 1.00	< 20.0	< 1.00	< 1.00				
	08/11/11	< 100	< 100	< 250	< 1.00	< 1.00	< 1.00	< 3.00											
	02/07/12	< 100	< 95.2	< 238	< 1.00	< 1.00	< 1.00	< 3.00			< 1.00	< 1.00	< 10.0	< 1.00	< 1.00				
1414 00	07/31/12	< 100	135	< 94.3	< 1.00	< 1.00	< 1.00	< 3.00											
MW-29	07/24/98	< 50	559		1.11	< 0.5	< 0.5	< 1											
	07/24/97	< 50	< 250		< 0.5	< 0.5	< 0.5	< 1											
	11/06/97	< 50	< 250		< 0.5	< 0.5	< 0.5	< 1											
	01/27/98	< 50	< 250		< 0.5	0.55	< 0.5	< 1											
	04/29/98	< 50	< 250		0.64	< 0.5	< 0.5	< 1											
	07/28/98	< 50	< 250		< 0.5	< 0.5	< 0.5	< 1											
	10/21/98	< 50	< 250		< 0.5	< 0.5	< 0.5	< 1											
	01/20/99	< 50	< 250		< 0.5	< 0.5	< 0.5	<1											
	04/22/99	< 50	< 250		< 0.5	< 0.5	< 0.5	< 1											
	07/21/99	< 50 < 50	< 250 < 250		< 0.5	< 0.5	< 0.5	< 1 1.4											
	10/26/99 02/23/00	< 50 < 50	< 250		< 0.5 < 0.5	< 0.5 < 0.5	< 0.5	< 1											
	02/23/00	< 50	< 292		< 0.5	< 0.5	< 0.5	<1											
	08/22/00	< 50	< 296		< 0.5	< 0.5	< 0.5												
	11/08/00	< 50	< 296	< 500	< 0.5	< 0.5	< 0.5	<1											
	02/14/01	< 50	476	< 500	< 0.5	< 0.5	< 0.5	<1											
	04/19/01	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	<1											
	04/19/01	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	<1											
	11/01/01	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	<1											
	03/20/02	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	<1											
	05/14/02	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	<1											
	08/22/02	< 250	< 250	< 750	< 1	< 1	< 1	<1											
	12/03/02	< 250	< 250	< 750	<1	<1	<1	<1											
	03/06/03	< 250	< 6,200	390	<1	<1	1.5	1.1											
	06/12/03	< 250	< 250	< 500	<1	<1	< 1	< 1											
	09/16/03	< 250	< 250	< 500	<1	<1	<1	<1											
	12/17/03	< 250	< 250	< 500	<1	<1	<1	<1											
	03/23/04	< 250	< 250	< 500	<1	<1	<1	<1											
	07/07/04	< 250	< 250	< 500	<1	<1	<1	<1											
	09/15/04	< 250	< 250	< 500	<1	<1	<1	<1											
	12/13/04	< 250	< 250	< 500	<1	<1	<1	<1											

		Total Pet	roleum Hydrocar	·bons (μg/L)			Primary VOCs (µg/L)					Oxy	/genates (µ	g/L)		Total Metals (µg/L)		Secondary V	OCs (ug/L)
Well ID	Date		Diesel Range	Motor Oil Range	Demonstra	Tahaaa	Ethylbenzene	Tatal Valence	500	500	MTDE	TAME	TDA	DIDE	FTDE		Ethenel		
Weinib	Date	Gasoline Range	Diesei Kalige		Benzene	Toluene	Ethyiberizerie	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method	A Cleanup Levels	800/1000 ¹	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
in or motiou	03/15/05	< 250	< 250	< 500	< 1	< 1	< 1	< 1											
	06/13/05	< 50	< 250	< 500	< 1	<1	< 1	< 1											
	09/27/05	< 50	< 250	< 500	< 1	<1	<1	< 1											
	12/19/05	< 50.0	< 240	< 481	< 0.500	< 0.500	< 0.500	< 1.00											
	03/20/06	< 50.0	< 236	< 472	1.15	< 0.500	1.50	2.06											
	05/02/06	< 50.0	< 238	< 476	< 0.500	< 0.500	< 0.500	< 1.00											
	12/08/06																		
	03/08/07																		
	06/27/07	< 50.0	< 240	< 481	< 0.500	< 0.500	< 0.500	< 3.00											
	09/26/07	< 50.0	< 236	< 472	< 0.500	< 0.500	< 0.500	< 3.00			< 5.00	< 1.00	< 50.0	< 1.00	< 1.00		< 250		
	12/27/07	< 50.0	< 236	< 472	< 0.500	< 0.500	< 0.500	< 3.00											
	03/27/08	< 50	< 250	< 500	< 1	< 1	< 1	< 1			< 1	< 1	< 5	< 1	< 1				
	06/25/08	< 50	< 250	< 500	< 1	< 1	< 1	< 1			< 1								
	10/01/08	< 50	< 250	< 500	< 1	< 1	< 1	< 1			< 1								
	12/11/08	< 50	< 250	< 500	< 1	< 1	< 1	< 1											
	03/10/09	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0			< 1.0	< 2.0	< 10	< 2.0	< 2.0				
	05/27/09	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0											
	09/01/09	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0											
	12/03/09	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	< 0.010	< 0.50									
	02/18/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	< 0.010	< 0.50	< 1.0	< 2.0	< 10	< 2.0	< 2.0			< 0.10	< 0.10
	05/05/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0			< 1.0							< 0.10	< 0.10
	08/23/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0											
	12/16/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0											
	02/25/11	< 100	< 97.1	157	< 1.00	< 1.00	< 1.00	< 3.00			< 1.00	< 1.00	< 20.0	< 1.00	< 1.00				
	08/11/11	< 100	< 100	< 250	< 1.00	< 1.00	< 1.00	< 3.00											
	02/07/12	< 100	< 95.2	< 238	< 1.00	< 1.00	< 1.00	< 3.00			< 1.00	< 1.00	< 10.0	< 1.00	< 1.00				
	07/31/12	< 100	< 94.3	< 94.3	< 1.00	< 1.00	< 1.00	< 3.00											
VP-1	12/03/02																		
	03/06/03 06/12/03																		
	09/16/03	260	620	< 500	2.4	< 1	1.2	6.6											
	12/17/03																		
	03/23/04																		
	07/07/04																		
	09/15/04																		
	12/13/04																		
	03/15/05																		
	06/13/05																		
	09/27/05																		
	12/19/05																		
	03/20/06																		
	05/02/06																		
	12/08/06																		
	03/08/07																		
	06/27/07	< 50.0	< 240	< 481	< 0.500	< 0.500	< 0.500	< 3.00											
	09/26/07																		
	12/27/07																		
	03/27/08																		

MI 0 Diat Diate Mate Classip Mate Classip Mate Classip Mate Classip Periodical and transmission Tool Symme COD ECO ECO <th< th=""><th></th><th></th><th>Total Pe</th><th>troleum Hydroca</th><th>rbons (μg/L)</th><th></th><th></th><th>Primary VOCs (µg/L)</th><th></th><th></th><th></th><th></th><th>Oxy</th><th>/genates (µ</th><th>g/L)</th><th></th><th>Total Metals</th><th></th><th>Cocordon /)//</th><th></th></th<>			Total Pe	troleum Hydroca	rbons (μg/L)			Primary VOCs (µg/L)					Oxy	/genates (µ	g/L)		Total Metals		Cocordon /)//						
Longe Longe <th< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>(µg/L)</th><th></th><th>Secondary V</th><th>JCs (µg/L)</th></th<>																	(µg/L)		Secondary V	JCs (µg/L)					
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$																				1 1					
Longe Longe <th< th=""><th>Well ID</th><th>Date</th><th>Gasoline Range</th><th>Diesel Range</th><th>Motor Oil Range</th><th>Benzene</th><th>Toluene</th><th>Ethylbenzene</th><th>Total Xylenes</th><th>EDB</th><th>EDC</th><th>MTRE</th><th>TAME</th><th>TRΔ</th><th></th><th>ETRE</th><th>Lead</th><th>Ethanol</th><th>Nanhthalenes</th><th>cPAHs</th></th<>	Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTRE	TAME	TRΔ		ETRE	Lead	Ethanol	Nanhthalenes	cPAHs					
002000 ····· ····<			Gasonne Range			Denzene	Tolderie	,	Total Aylenes	200	LDO	WIDE		TDA		LIDE	Lead	Linario	Naprillaiches	CI AI IS					
002000 ····· ····<	MTCA Method		800/1000 ¹	500	500	5	1000	700	1000	0.01	5	20	NE	NE		NE	15	NE	160	0.1					
100708	INT CA Method /																			1					
1971%8																									
807008 m <td></td>																									
b002700 ···																									
960109																									
1920300																		-							
02/18/10 <100 <100 <100 <0.00 <10 <10 <10 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00																		-							
656440 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 </td <td></td> <td>-</td> <td></td> <td>< 0.10</td>																		-		< 0.10					
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VP-2 041097 ···· ··· ··· ··· ···· ···· ···· ···· ···· ···· ···· ···· ···· ···· ···· ···· ···· ···· ···· ···· ···· ···· ·····		02/04/16	< 17.8	292	< 286	< 0.0320	< 0.0380	< 0.0860	< 0.0160																
072497		08/02/16	< 17.8	85.0 J	< 60.7	< 0.0930	< 0.312	< 0.198	< 0.162																
01/27/98<	VP-2	04/10/97																							
04/29/88		07/24/97																							
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		Total Pet	roleum Hydroca	rbons (µg/L)			Primary VOCs (µg/L)					Ox	ygenates (µ	g/L)		Total Metals		Coopedant///	
														[1	(µg/L)		Secondary V	JCS (µg/L)
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	МТВЕ	TAME	ТВА	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
			-	-															
MTCA Method	A Cleanup Levels	800/1000 ¹	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	12/17/03																		
	03/23/04																		
	07/07/04																		
	09/15/04																		
	12/13/04																		
	03/15/05																		
	06/13/05																		
	09/27/05																		
	12/19/05																		
	03/20/06																		
	05/02/06																		
	12/08/06																		
	03/08/07																		
	06/27/07	334	< 240	< 481	19.4	0.520	1.13	< 3.00											
	09/26/07																		
	12/27/07																		
	03/27/08																		
	06/25/08																		
	10/01/08																		
	12/11/08																		
	03/10/09																		
	05/27/09																		
	09/01/09 12/03/09																		
	02/18/10																		
	05/04/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0											
	08/17/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0											
	12/16/10	< 100	160	< 100	< 0.50	< 1.0	< 1.0	< 1.0											
	02/25/11	< 100	136	120	< 1.00	< 1.00	< 1.00	< 3.00			< 1.00	< 1.00	< 20.0	< 1.00	< 1.00				
	08/11/11	< 100	< 100	< 250	< 1.00	< 1.00	< 1.00	< 3.00											
	02/07/12	< 100	166	< 240	< 1.00	< 1.00	< 1.00	< 3.00			< 1.00	< 1.00	< 10.0	< 1.00	< 1.00				
	07/31/12																		
	08/01/12	< 100	195	< 94.3	< 1.00	< 1.00	< 1.00	< 3.00											
	01/22/13	< 100	262	< 95.2	< 1.00	< 1.00	< 1.00	< 3.00			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00				
	08/07/13	< 100	139	< 100	< 1.00	< 1.00	< 1.00	< 2.00											
	03/24/14	< 100	139	322	< 1.00	< 1.00	< 1.00	< 3.00			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00				
	08/27/14	< 100	115	< 93.9	< 1.00	< 1.00	< 1.00	< 2.00											
	01/21/15	< 100	140	< 93.9	< 1.00	< 1.00	< 1.00	< 2.00			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00				
	06/29/15	< 100	6,290	808	< 1.00	< 1.00	< 1.00	< 3.00											
	02/04/16	< 17.8	455	< 284	< 0.0320	< 0.0380	< 0.0860	< 0.0160											
	08/02/16	< 17.8	124	< 60.8	< 0.0930	< 0.312	< 0.198	< 0.162											
VP-3	04/10/97	821	1,100		26.7	5.5	1.05	10.6											
	07/24/97	1,380	5,040		25	3.58	1.32	8.6											
	11/06/97	1,130	1,760		436	7.89	1.82	11.7											
	01/27/98	1,950	2,230		968	10.3	3.32	17.4											
	04/29/98	3,860	2,100		1,820	74.3	7.51	18.9											
	07/28/98	1,670	4,460		729	< 10	< 10	< 20											
	10/21/98	6,280	9,910		817	46.8	13.8	29.3											

		Total Pe	troleum Hydrocar	bons (µg/L)			Primary VOCs (µg/L)					Ox	∕genates (µ	g/L)		Total Metals (µg/L)		Secondary V	/OCs (µg/L)
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	ТВА	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
								-											
MTCA Method	A Cleanup Levels	800/1000 ¹	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	01/20/99	2,890	1,340		259	31.8	5.82	34.2											
	04/22/99	604	< 250		10.5	1.22	< 0.62	< 3.5											
	07/21/99	568	371		12.5	< 0.5	< 0.56	< 2.76											
	10/26/99	2,970	521		92.9	3.28	2.5	10.3											
	02/23/00	7,950	4,840		1100	32.2	< 25	< 50											
	05/31/00	4,310	3,680		301	8.74	17.3	26.1											
	08/22/00	4,360	887		271	< 5	8.49	11.7											
	11/08/00	8,920	2,820	< 597	1,610	1,040	53.2	222											
	02/14/01	3,640	2,390	< 500	179	24.2	8.55	< 26											
	04/19/01	2,590	5,690	1,040	186	< 2.5	5.76	7.8											
	08/07/01	1,190	8,960	1,640	150	13.4	< 2.5	6.5											
	11/01/01	594	3,010	729	31.6	0.718	< 0.50	1.81											
	03/20/02	4,520	6,790	1,270	233	< 5	16.9	15.2											
	05/14/02	3,220	8,730	2,310	46.2	3.82	6.11	17.3											
	08/22/02	6,700	2,000	< 750	230	3	10	9											
	12/03/02	700	< 250	< 750	35	< 1	< 1	< 1											
	03/06/03	4,200	520	< 500	290	5.2	18	5.5											
	06/12/03	6,300	670	< 500	340	< 1	17	5.2											
	09/16/03	1,700	< 250	< 500	320	190	1.5	29											
	12/17/03	1,000	2,200	< 500	75	12	< 1	20.1											
	03/23/04	2,900 / 2,800	3,100 / 3,700	< 500 / < 500	280 / 280	15 / 14	4.7 / 4.4	15.5 / 17	/	/	/	/	/	/	/	/	/	/	/
	07/07/04	710	3,700	< 500	51	< 1	< 1	< 1											
	09/15/04	830	11,000	< 2,500	160	< 1	< 1	3											
	12/13/04	510	860	< 500	120	< 1	< 1	< 1											
	03/15/05	2,400	1,400	550	250	1.5	10	7.8											
	06/13/05	2,100	1,100	< 500	330	1.5	9.1	4.5											
	09/27/05	1,400	550	< 500	300	2.1	7.4	< 1											
	12/19/05	2,370 / 2,140	3,720 / 4,120 6,360	< 485 / < 476	178 / 173 160	11.1 / 10.4	9.06 / 8.48	8.66 / 8.14	/	/	/	/	/	/	/	/	/	/	/
	03/20/06 05/02/06	2,440 Sheen present in w		< 943		22.3	2.99	13											
	12/08/06																		
	03/08/07																		
	06/27/07	3,630	795	< 481	229	1.24	11.4	< 3.00											
	09/26/07	3,980	2,980	1,960	269	0.580	12.8	< 3.00			< 5.00	< 1.00	< 50.0	< 1.00	< 1.00		< 250		
	12/27/07	1,010	1,030	873	< 0.500	< 0.500	< 0.500	< 3.00											
	03/27/08																		
	06/25/08																		
	10/01/08																		
	12/11/08																		
	03/10/09																		
	05/27/09																		
	09/01/09																		
	12/03/09																		
	02/18/10																		
	05/05/10	610	760	< 100	85	< 1.0	< 1.0	< 1.0										2.3	< 0.10
	08/17/10	1,500	1,100	< 100	120	< 1.0	3.9	< 1.0											
	12/16/10	610 g	590	< 100	42	< 1.0	< 1.0	< 1.0											
	02/25/11	1,440	2,070	918	55.4	< 1.00	1.15	< 3.00			< 1.00	< 1.00	< 20.0	< 1.00	< 1.00				

		Total Pe	troleum Hydroca	rbons (μg/L)			Primary VOCs (µg/L)	1				Ox	ygenates (µ	g/L)		Total Metals (µg/L)		Secondary V	
																(P9'-)		Coolidary V	505 (µg/L)
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method	A Cleanup Levels	800/1000 ¹	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	08/11/11	2,490	1,410	< 250	129	< 1.00	2.46	< 3.00											
	02/07/12	1,730	2,270	< 243	50.3	< 1.00	2.11	< 3.00			< 1.00	< 1.00	< 10.0	< 1.00	< 1.00				
	07/31/12																		
	08/01/12	1,980	1,980	198	70.2	< 1.00	3.81	< 3.00											
	01/22/13	1,260	1,430	110	26.0	< 1.00	< 1.00	< 3.00			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00				
	08/07/13																		
	03/24/14	1,300	1,950	166	13.9	< 1.00	< 1.00	< 3.00			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00				
	08/27/14	1,500	1,670	< 93.9	23.3	< 1.00	1.47	< 2.00											
	01/21/15	908	2,500	112	13.2	< 1.00	< 1.00	< 2.00			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00				
	06/29/15	868	2,040	111	17.6	< 1.00	1.72	< 3.00											
	02/04/16	318	433	< 284	0.137 J	0.260 J	< 0.0860	< 0.0160											
	08/02/16	453	3,300	154 J	9.57	0.541 J	0.780 J	0.564 J											
VP-4	12/03/02																		
	03/06/03																		
	06/12/03																		
	09/16/03																		
	12/17/03																		
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	03/20/06																		
	05/02/06																		
	12/08/06																		
	03/08/07																		
	06/27/07	< 50.0	< 240	< 481	< 0.500	< 0.500	< 0.500	< 3.00											
	09/26/07																		
	12/27/07																		
	03/27/08	< 50	< 250	< 500	< 1	< 1	<1	<1			< 1	< 1	< 5	< 1	< 1				
	06/25/08	< 50	< 250	< 500	< 1	< 1	< 1	< 1			< 1								
	10/01/08	< 50	< 250	< 500	< 1	< 1	<1	<1			< 1								
	12/11/08	< 50	< 250	< 500	< 1	< 1	< 1	< 1											
	03/10/09																		
	05/27/09																		
	09/01/09																		
	12/03/09																		
	02/18/10 05/04/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	< 0.010	< 0.50	< 1.0	< 2.0	< 10	< 2.0	< 2.0			< 0.10	< 0.10
	12/16/10																		
	02/25/11																		
	02/25/11																		
	02/07/12																		
	07/31/12																		
	01/22/13																		

Weil D Dies Grandme Grage Diesel Rampe Remove Tatarn Ethylation End ED LD TALE TALE DEC LES TALE TALE DEC LES TALE TALE DEC LES TALE TALE LES LES			Total Pet	troleum Hydroca	rbons (µg/L)			Primary VOCs (µg/L)		Оху	genates (µ	g/L)		Total Metals (µg/L)		Secondary VOCs (µg/L)				
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$																	(µg/L)		Secondary V	JCS (µg/∟)
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$																				
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xvlenes	EDB	EDC	МТВЕ	TAME	ТВА	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$					-															
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	MTCA Method	A Cleanup Levels	800/1000 ¹	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$						38.0						1								
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			•																	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$																				
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			< 100	< 94.3	< 94.3	< 1.00	< 1.00	< 1.00	< 2.00											
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		01/21/15																		
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		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				
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		06/29/15	< 100	< 93.0	< 93.0	< 1.00	< 1.00	< 1.00	< 3.00											
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		02/04/16	< 17.8	< 190	< 285	< 0.0320	< 0.0380	< 0.0860	< 0.0160											
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		08/03/16	< 17.8	40.8 J	< 60.9	< 0.0930	< 0.312	< 0.198	< 0.162											
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	VP-5	04/10/97	1,170	666		1.99	0.569	2.41	2.93											
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		07/24/97	174	< 250		7.13	1.85	< 0.5	1											
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		11/06/07	111	< 250		88.5	1.63	< 0.5	3.14											
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		01/27/98	96.3	< 250		4.81	< 0.5	< 0.5	< 1											
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		04/29/98	< 50	< 250			< 0.5	< 0.5	< 1											
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		07/28/98	< 50	< 250		5.17	< 0.5	< 0.5	< 1											
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		10/21/98	< 50	2,660		74.7	< 0.5	< 0.5	< 1											
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		01/20/99	< 50	,		1.99	< 0.5	< 0.5	< 1											
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		04/22/99	< 50				< 0.5	< 0.5	< 1											
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$									< 1											
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$							< 0.5		< 1											
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$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$				-																
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$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$												-	-			-				
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$												-	-			-				
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$																				
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$,								-	-			-				
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$												-	-			-				
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$												-	-			-				
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$																				
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$																				
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$												-								
07/07/04 1,100 1,100 < 500 < 1 < 1 < 1.5																				
09/15/04 550 / 530 4,800 / 1,100 < 1,500 / <500 < 1 / < 1 < 1 / < 1 < 1 / < 1 < - / /												-				-				
12/13/04 < 250 / < 250 770 / 710 2,400 / 2,100 < 1 / < 1 < 1 / < 1 < 1 / < 1 /																		/	/	/
03/15/05 < 250 < 250 < 500 < 1 < 1 < 1 < 1 < 1																		/	/	/
										-										
										/	/	/	/	/	/	/	/	/	/	/
09/27/05 < 50 < 250 < 500 < 1 < 1 < 1 < 1 < 1											-				-					
			< 50.0			< 0.500		< 0.500	< 1.00											
				< 236					< 1.00											
			< 50.0																	
03/08/07		03/08/07																		

		Total Pe	troleum Hydroca	rbons (µg/L)	Primary VOCs (µg/L)									g/L)		Total Metals (µg/L)		Secondary V	OCs (ug/L)
																(~9, -)			, pg, z)
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	ТАМЕ	ТВА	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
		Gasoline Range			Denzene	Toldene		Total Aylenes	LDD	LDO	MIDE		TDA		LIDE	LCdd	Ethanor	Naphthalenes	
MTCA Method	A Cleanup Levels	800/1000 ¹	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	06/27/07	50.9	< 240	< 481	< 0.500	< 0.500	< 0.500	< 3.00											
	09/26/07	< 50.0	< 238	< 476	1.81	< 0.500	< 0.500	< 3.00			< 5.00	< 1.00	< 50.0	< 1.00	< 1.00		< 250		
	12/27/07	< 50.0	< 236	< 472	78.4	36.0	2.21	9.49											
	03/27/08																		
	06/25/08																		
	10/01/08																		
	12/11/08																		
	03/10/09																		
	05/27/09																		
	09/01/09																		
	12/03/09																		
	02/18/10																		
	05/04/10																		
	12/16/10																		
	02/25/11																		
	08/11/11																		
	02/07/12																		
	07/31/12																		
	01/22/13																		
	08/07/13	< 100	915	509	< 1.00	< 1.00	< 1.00	< 2.00											
	03/24/14																		
	03/25/14	< 100	695	< 93.9	< 1.00	< 1.00	< 1.00	< 3.00			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00				
	08/27/14	< 100	< 93.9	< 93.9	< 1.00	< 1.00	< 1.00	< 2.00											
	01/21/15																		
	01/22/15	< 100	< 93.9	< 93.9	< 1.00	6.34	1.17	5.01			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00				
	06/29/15	< 100	< 93.0	< 93.0	< 1.00	< 1.00	< 1.00	< 3.00											
	02/04/16	< 17.8	< 189	< 284	< 0.0320	< 0.0380	< 0.0860	< 0.0160											
	08/03/16	< 17.8	51.1 J	< 62.2	< 0.0930	< 0.312	0.398 J	< 0.162											
VP-6	04/10/97																		
	07/24/97																		
	01/27/98																		
	04/29/98																		
	07/28/98																		
	10/21/98																		
	01/20/99 04/22/99																		
	07/21/99																		
	10/26/99																		
	02/23/00																		
	05/31/00																		
	08/22/00																		
	11/08/00																		
	02/14/01																		
	04/19/01																		
	08/07/01																		
	11/01/01																		
	03/20/02	16,900	3,290	< 500	39.9	379	43	2,670											
	05/14/02																		

<u> </u>		Total Pet	roleum Hydroca	rbons (μg/L)	Primary VOCs (µg/L)								/genates (µ	g/L)		Total Metals (µg/L)		Secondary VOCs (µg/L)		
																(µ9/=)		Coolidary V	500 (µg/L)	
																			1	
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs	
MTCA Method A	Cleanup Levels	800/1000 ¹	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1	
	08/22/02																			
	12/03/02																			
	03/06/03																			
	06/12/03																			
	09/16/03																			
	12/17/03																			
	03/23/04																			
	07/07/04																			
	09/15/04																			
	12/13/04																			
 -	03/15/05																			
↓	06/13/05																			
-	09/27/05																			
├ ─── │	12/19/05 03/20/06																			
	05/02/06																			
	12/08/06																			
	03/08/07																			
	06/27/07	994	< 240	< 481	3.71	0.770	7.27	40.8												
	09/26/07							40.0												
	12/27/07																			
	03/27/08	< 50	< 250	< 500	< 1	< 1	< 1	< 1			< 1	< 1	< 5	< 1	< 1					
	06/25/08	4,200	< 250	< 500	<1	3	69	450			< 1									
	10/01/08	1,100	< 250	< 500	1.8	4.4	75	280			< 1									
	12/11/08	6,400	510	< 500	1.2	9.7	370	1,580												
	03/10/09	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0			< 1.0	< 2.0	< 10	< 2.0	< 2.0					
	05/27/09	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0												
	09/01/09	5,100	970	< 100	1.5	5.5	180	630												
	12/03/09	< 100	< 100	190	< 0.50	< 1.0	< 1.0	< 1.0	< 0.010	< 0.50										
	02/25/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0	< 0.010	< 0.50	< 1.0	< 2.0	< 10	< 2.0	< 2.0			< 0.10	< 0.10	
	05/04/10	< 100	< 100	< 100	< 0.50	< 1.0	6.0	7.5										< 0.10	< 0.10	
ļ	08/17/10	5,800	3,600	< 100	1.1	3.8	330	950												
 	12/16/10	< 100	< 100	< 100	< 0.50	< 1.0	< 1.0	< 1.0												
	02/25/11	< 100	< 97.1	110	< 1.00	< 1.00	< 1.00	< 3.00			< 1.00	< 1.00	< 20.0	< 1.00	< 1.00					
-	08/11/11	4,200	1,060	< 240	< 1.00	2.14	96.8	239												
	02/07/12	< 100	143	< 243	< 1.00	< 1.00	< 1.00	< 3.00			< 1.00	< 1.00	< 10.0	< 1.00	< 1.00					
├ ─── ├	07/31/12		676				32.9													
├ ─── │	08/01/12 01/22/13	660 < 100	676 < 95.2	< 94.3 < 95.2	< 1.00 < 1.00	< 1.00 < 1.00	32.9 < 1.00	125 < 3.00			 < 1.00	 < 1.00	 < 10.0	< 2.00	< 1.00					
	01/22/13	4,580	< 95.2 1,280	< 95.2	< 1.00	1.58	95.6	303			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00					
	03/24/14	4,380 < 100	< 93.9	< 93.9	< 1.00	< 1.00	< 1.00	< 3.00			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00					
++	08/27/14	173	< 93.9 155	< 93.9	< 1.00	< 1.00	< 1.00	< 2.00			< 1.00 	< 1.00 		< 2.00	< 1.00 					
+	01/21/15																			
+	01/22/15	< 100	< 93.9	< 93.9	< 1.00	< 1.00	1.05	< 2.00			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00					
++	06/29/15	242	179	< 93.5	< 1.00	< 1.00	< 1.00	< 3.00												
	02/04/16	< 17.8	< 190	< 285	< 0.0320	< 0.0380	< 0.0860	< 0.0160												
	08/02/16	197	209	< 60.7	0.289	< 0.312	1.78	2.17 J												
VP-7	04/10/97	3,240,000	15,800		20,600	41,700	6,700	44,300												

		Total Pe	troleum Hydroca	rbons (μg/L)			Primary VOCs (µg/L)					Ox	ygenates (µ	g/L)		Total Metals (µg/L)		Secondary V	OCs (µg/L)
Well ID	Date		Diesel Range	Motor Oil Range	Dessee	Taluana	Ethylbenzene	Total Video co		500	MTDE	TANAE	TDA	DIDE	FTDF		Ethonol		
Weinib	Dale	Gasoline Range	Diesei Kalige		Benzene	Toluene	Lutybenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method	A Cleanup Levels	800/1000 ¹	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
WITCA Method					1														
	07/24/97																		
	01/27/98																		
	04/29/98																		
	07/28/98																		
	10/21/98																		
	01/20/99	67,600	26,900		2,590	3,680	894	8,830											
	04/22/99	83,100	15,900		9,260	8,550	303	8,380											
	07/21/99	704,000	94,700		557	< 420	1,470	11,100											
	10/26/99	38,400	14,300		3,300	1,480	79	4,550											
	02/23/00	30,900	68,200		6,070	2,530	127	2,350											
	05/31/00	56,200	4,460		9,630	5,970	294	5,740											
	08/22/00	22,800	24,600		1,460	984	103	1,740											
	11/08/00	74,800	27,700	< 7,680	11,800	10,100	495	10,600											
	02/14/01	19,500	16,100	< 2,500	1,310	1,470	93	3,000											
	04/19/01	40,200	10,900	< 5,500	6,140	4,780	140	6,250											
	08/07/01	61,900	41,000	25,700	11,200	7,790	264	7,690											
	11/01/01	74,200	NA	NA	623	169	173	1,200											
	03/20/02	14,900	44,400	< 5,000	1,840	1,270	85	1,210											
	05/14/02	46,200	58,600	4,040	2,270	1,840	171	2,080											
	08/22/02	67,000	8,800	< 3,800	1,100	12,000	590	5,800											
	12/03/02	28,000	520	< 750	1,900	1,800	60	2,150											
	03/06/03	2,600	< 250	< 500	750	180	41	310											
	06/11/03	1,500	300	< 500	1,500	110	23	141											
	09/16/03	590	560	< 500	650	14	7.6	50											
	12/17/03	2,800	4,900	< 500	5,800	5,600	220	3,100											
	03/23/04																		
	07/07/04	120,000 / 130,000		< 2,500 / < 2,500	19,000 / 19,000	18,000 / 17,000	1,200 / 1,100	11,200 / 11,200	/	/	/	/	/	/	/	/	/	/	/
	09/15/04	66,000	16,000	< 2,500 a	11,000	4,100	470	8,300											
	12/13/04	26,000	6,000	< 10,000 a	2,700	2,500	160	3,500											
	03/15/05																		
	06/13/05																		
	09/27/05	32,000	4,000	< 1,000 a	6,500	1,600	410	5,300											
		Sheen present in w																	
		Sheen present in w																	
		Sheen present in w	· · · ·																
	12/08/06	39,500	7,600	935	2,980	3,070	650	5,400											
	03/08/07	29,500	1,170	< 500	1,790	1,270	325	2,800											
	06/27/07	87,800	4,850	498	9,300	8,430	1,210	10,200											
	09/26/07	58,000	5,600	1,780	6,640	464	1,160	10,300			< 5.00	< 1.00	< 50.0	< 1.00	< 1.00		< 250		
	12/27/07	10,900	1,200	< 472	< 0.500	< 0.500	< 0.500	< 3.00											
	03/27/08																		
	06/25/08																		
	10/01/08																		
	12/11/08																		
	03/10/09																		
	05/27/09																		
	09/01/09																		
	12/03/09																		

		Total Pet	roleum Hydroca	rbons (µg/L)			Primary VOCs (µg/L)	1				Oxy	/genates (µ	g/L)		Total Metals (µg/L)		Secondary V	OCs (ug/L)
																(µ9/=)		Coolidary V	500 (µg/L)
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
		-																	
MTCA Method	A Cleanup Levels	800/1000 ¹	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	02/18/10	2,500	1,100	< 100	60	90	32	380	< 0.010	< 0.50	< 1.0	< 2.0	< 10	< 2.0	< 2.0			15.3	< 0.50
	05/05/10	2,500	1,200	< 100	370	49	62	460										18.7	< 0.50
	08/17/10	18,000	6,100	< 100	2,900	1,600	490	4,400											
	12/16/10	1,900	600	< 100	250	27	29	230											
	02/25/11	5,370	8,330	3,670	451	58.2	93.5	245			< 1.00	< 1.00	< 20.0	< 1.00	< 1.00				
	08/11/11	33,300	2,130	271	4,520	1,680	541	2,800											
	02/07/12	1,550	2,950	< 240	29.0	14.2	6.42	88.5			< 1.00	< 1.00	11.0	< 1.00	< 1.00				
	07/31/12																		
	08/01/12	8,820	2,550	< 94.3	873	547	125	1,270											
	01/22/13	3,440	1,210	< 95.2	283	40.0	61.3	256			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00				
	08/07/13	14,200	8,950	4,670	1,570	466	154	1,060											
	03/24/14	2,470	1,610	1,890	98.3	9.80	35.6	122			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00				
	08/27/14	8,510	2,890	< 93.9	1,810	1,020	138	941											
	01/21/15																		
	01/22/15	1,630	1,480	< 93.9	64.3	51.1	47.5	146			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00				
	06/29/15	11,600	2,530	< 93.5	1,820	568	339	2,180											
	02/04/16	565	420	335 J	84.4	18.3	18.6	21.1											
	08/03/16	8,350 J	2,620	271	1,990	341	408	1,460											
VP-8	04/10/97	284	1,800		< 0.5	< 0.5	< 0.5	1.4											
	07/24/97	977	3,720		8.63	8.5	2.3	16											
	11/06/97	1,730	8,110		5.48	4.6	2.6	16											
	01/27/98	1,260	2,920		5.28	0.68	1.8	8.4											
	04/29/98	2,060	2,210		< 0.5	< 0.5	< 0.5	< 1.0											
	07/28/98	2,250	NA		< 0.5	< 0.5	< 0.5	< 1.0											
	10/21/98	2,610	7,430		9.64	1.3	< 0.5	< 1.0											
	01/20/99	< 50	1,530		< 0.5	< 0.5	< 0.5	< 1.0											
	04/22/99	600	1,250		1.1	< 0.5	< 0.9	< 2.90											
	07/21/99	103	1,410		< 0.5	< 0.5	< 0.5	< 1.0											
	10/26/99	360	1,650		< 0.5	< 0.5	< 0.5	< 1.54											
	02/23/00	788	2,350		0.695	< 0.5	< 0.5	< 3.20											
	05/31/00	159	2,650		2.73	1.2	< 0.5	2.5											
	08/22/00	393	4,640		< 0.64	< 0.5	< 0.5	< 2.16											
	11/08/00	254	3,550	< 5,500	9.23	0.9	< 0.5	1.6											
	02/14/01	180	3,070	< 2,500	1	< 0.5	< 0.5	< 1.05											
	04/19/01	60	18,600	< 5,500	0.681	< 0.5	< 0.5	< 1.00											
	08/07/01	317	2,570	3,320	2.25	< 0.5	< 0.5	1.1											
	11/01/01	619	NA 5.000	NA	< 1.25	< 1.25	< 1.25	3.9											
	03/20/02	574	5,000	8,280	1.13	< 0.5	< 0.5	2.4											
	05/14/02	981	4,390	7,740	3.37	3.7	1.5	10											
	08/22/02	2,000	2,300	< 3,800	< 1	< 1	< 1	6.0											
	12/03/02	< 250	< 250	< 750	< 1	< 1	< 1	< 1											
	03/06/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1											
	06/11/03	< 250 < 250	< 250 260	< 500	< 1			< 1											
	09/16/03			< 500	< 1	< 1	< 1	< 1 3.1											
	12/17/03 03/23/04	< 250 < 250	1,400 1,400	< 500 910	1.9	< 1	< 1	3.1 1.7											
	03/23/04	< 250 250	2,500	< 500	< 1 6.9	< 1	< 1	2.9											
	09/15/04	410	2,000	< 500	9.1	< 1	< 1	2.9											
	09/10/04	410	2,000	< 300	J.I	< 1		2.0							I	I			

		Total Pe	troleum Hydroca	rbons (μg/L)			Primary VOCs (µg/L)					Oxy	/genates (µ	g/L)		Total Metals (µg/L)		Secondary V	
																(µg/L)		Secondary V	
																			1
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	ТВА	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
		g-	_	-															
MTCA Method	A Cleanup Levels	800/1000 ¹	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	12/13/04	< 250	1,200	710	4	< 1	<1	< 1											
	03/15/05	< 250	< 750	< 1,500	2.6	< 1	<1	< 1											
	06/13/05																		
	09/27/05	590	880	< 500	11	2	2.1	4.2											
	12/19/05	91.2	312	< 490	2.85	< 0.500	< 0.500	< 1.00											
	03/20/06	< 50.0	855	720	< 0.500	< 0.500	< 0.500	< 1.00											
	05/02/06	< 50.0	1,040	924	< 0.500	< 0.500	< 0.500	< 1.00											
	12/08/06	< 50.0	< 248	< 495	< 0.500	< 0.500	< 0.500	< 3.00											
	03/08/07	< 50.0	< 245	< 490	< 0.500	< 0.500	< 0.500	< 3.00											
	06/27/07	98.9	< 240	< 481	< 0.500	< 0.500	< 0.500	< 3.00											
	09/26/07	222	412	580	7.15	0.660	0.550	< 3.00			< 5.00	< 1.00	< 50.0	< 1.00	< 1.00		< 250		
	12/27/07	< 50.0	< 238	< 476	355	171	79.8	909											
	03/27/08																		
	06/25/08																		
	10/01/08																		
	12/11/08																		
	03/10/09																		
	05/27/09																		
	-	Possible obstrucior	n in well																
	12/03/09																		
	02/18/10																		
	05/04/10																		
	12/16/10																		
	02/25/11																		
	08/11/11																		
	02/07/12																		
	07/31/12																		
	01/22/13																		
	08/07/13	114	4,180	4,970	< 1.00	< 1.00	< 1.00	< 2.00											
	03/24/14																		
	03/25/14	< 100	742	365	< 1.00	< 1.00	< 1.00	< 3.00			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00				
	08/27/14	< 100	1,040	146	< 1.00	< 1.00	< 1.00	< 2.00											
	01/21/15																		
	01/22/15	< 100	805	407	< 1.00	< 1.00	< 1.00	< 2.00			< 1.00	< 1.00	< 10.0	< 2.00	< 1.00				
	06/29/15	< 100	1,200	211	< 1.00	< 1.00	< 1.00	< 3.00											
	02/04/16	< 17.8	263	< 284	< 0.0320	< 0.0380	< 0.0860	< 0.0160											
	08/03/16	36.5 J	1,820	185 J	0.546	< 0.312	0.427 J	1.14 J											
VP-9	12/03/02																		
	03/06/03																		
	06/12/03																		
	09/16/03	< 250	< 250	< 500	< 1	< 1	< 1	< 1											
	12/1703	< 250	< 250	< 500	< 1	< 1	< 1	< 1											
	03/23/04																		
	07/07/04																		
	09/15/04																		
	12/13/04																		
	03/15/05																		
	06/13/05																		

	[Total Pe	etroleum Hydroca	rbons (μg/L)	Primary VOCs (µg/L)			Oxygenates (µg/L) Total Metals (µg/L)						Secondary VOCs (µg/L)					
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Method	A Cleanup Levels	800/1000 ¹	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
	09/27/05																		
	12/19/05																		
	03/20/06																		
	05/02/06																		
	12/08/06																		
	03/08/07																		
	06/27/07	< 50.0	< 240	< 481	< 0.500	< 0.500	< 0.500	< 3.00											
	09/26/07																		
	12/27/07																		
	03/27/08																		
	06/25/08																		
	10/01/08																		
	12/11/08																		
	03/10/09																		
	05/27/09																		
	09/01/09																		
	12/03/09																		
	02/18/10																		
	05/04/10																		
	12/16/10																		
	02/25/11																		
	08/11/11																		
	02/07/12								-							-			
	07/31/12																		
	01/22/13																		
	08/07/13																		
	03/24/14																		
	08/27/14																		
	01/21/15																		
	06/29/15																		
	02/04/16																		
	08/02/16																		

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

		Total Pe	troleum Hydroca	rbons (μg/L)		I	Primary VOCs (µg/L)				Оху	rgenates (µ	g/L)		Total Metals (µg/L)		Secondary V	OCs (µg/L)
Well ID	Date	Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	MTBE	TAME	ТВА	DIPE	ETBE	Lead	Ethanol	Naphthalenes	cPAHs
MTCA Metho	d A Cleanup Levels	800/1000 ¹	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1

Notes:

Model Toxics Control Act (MTCA) Cleanup Regulation, WAC 173-340. MTCA values are from Ecology website CLARC tables dated August 2015. (https://fortress.wa.gov/ecy/clarc/CLARCDataTables.aspx). Cleanup levels are used as screening levels. Values in **bold** font indicate that the result reported meets or exceeds the MTCA Method A cleanup level.

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

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

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

--- - Not analyzed

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

bgs - below ground surface

J - Result is less than the reporting limit, but greater than or equal to the method detection limit and the concentration is an approximate value

cPAH-carcinogenic Polycyclic Aromatic Hydrocarbons

DIPE - di-isopropyl ether	NE - not established
EDB - 1,2-dibromoethane	TAME - tertiary-amyl methyl ether
EDC - 1,2-dichloroethane	TBA - tertiary-butanol
ETBE - ethyl tertiary-butyl ether	µg/L - micrograms per liter
MTBE - methyl tertiary-butyl ether	VOCs - volatile organic compounds
ND - non-detect	

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

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

Well ID TOC (feet) ¹	Date	DTW (feet bgs)	GWE (feet NAVD 88)
MW-1	04/10/97	5.65	88.15
93.80	11/08/00	8.99	84.81
97.77	02/14/01	8.89	88.88
	04/19/01	8.24	89.53
	08/07/01	9.26	88.51
	11/01/01	9.74	88.03
	03/20/02	7.33	90.44
	05/14/02	7.46	90.31
	08/22/02	8.45	89.32
	12/03/02	9.70	88.07
	03/06/03	8.55	89.22
	06/12/03	8.87	88.90
	09/16/03	9.76	88.01
	12/17/03	7.52	90.25
	03/23/04	6.38	91.39
	07/07/04	7.88	89.89
	09/15/04	8.64	89.13
	12/13/04	8.15	89.62
	03/15/05	7.67	90.10
	06/13/05	7.68	90.09
	09/27/05	8.90	88.87
	12/19/05	8.29	89.48
	03/20/06	5.93	91.84
	05/02/06	6.72	91.05
	12/08/06	6.15	91.62
	03/08/07	7.71	90.06
	06/27/07	7.48	90.29
	09/26/07	8.83	88.94
	12/27/07	6.49	91.28
	03/27/08	6.72	91.05
	06/25/08	7.40	90.37
	10/01/08		
	12/11/08	7.81	89.96
	03/10/09	6.81	90.96
	05/27/09	6.57	91.20
	09/01/09	8.47	89.30
	12/03/09	6.61	91.16
	02/18/10	6.52	91.25

Well ID TOC (feet) ¹	Date	DTW (feet bgs)	GWE (feet NAVD 88)
		(,	, , , , , , , , , , , , , , , , , , ,
	05/04/10	7.19	90.58
	08/17/10	7.70	90.07
	12/16/10	6.10	91.67
	02/25/11	5.67	92.10
	08/11/11	7.72	90.05
	02/07/12	6.89	90.88
	07/31/12	7.62	90.15
	01/22/13	5.17	92.60
	08/07/13	8.00	89.77
	03/24/14	5.14	92.63
	08/27/14	8.32	89.45
238.63	01/21/15	6.31	232.32
	06/29/15	7.82	230.81
	02/04/16	4.42	234.21
	08/02/16	8.20	230.43
MW-2	04/10/97	11.51	80.65
92.16	07/24/97	7.38	84.78
96.51	01/27/98	5.84	90.67
	04/29/98	8.53	87.98
	07/28/98	18.10	78.41
	10/21/98	9.36	87.15
	01/20/99	17.00	79.51
	04/22/99	12.50	84.01
	07/21/99	13.37	83.14
	10/26/99	10.35	86.16
	02/23/00	8.22	88.29
	05/31/00	8.15	88.36
	08/22/00	17.71	78.80
	11/08/00	9.00	87.51
96.67	02/14/01	8.80	87.87
	04/19/01	8.14	88.53
	08/07/01	9.24	87.43
	11/01/01	9.85	86.82
	03/20/02	12.62	84.05
	05/14/02	13.87	82.80
	08/22/02	8.62	88.05
	12/03/02	17.60	79.07
	03/06/03	17.10	79.57

Well ID TOC (feet) ¹	Date	DTW (feet bgs)	GWE (feet NAVD 88)
(((
	06/11/03	17.50	79.17
	09/16/03	17.30	81.42
	12/17/03	7.45	89.22
	03/23/04	6.70	89.97
	07/07/04 09/15/04	8.12	88.55
		8.73	87.94
	12/13/04	7.94	88.73
	03/15/05	7.75	88.92
	06/13/05	7.88	88.79
	09/27/05	9.15	87.52
	12/19/05	8.36	88.31
	03/20/06	6.20	90.47
	05/02/06	6.90	89.77
MW-2	12/08/06	7.22	89.45
	03/08/07	7.78	88.89
	06/27/07	7.53	89.14
	09/26/07	10.20	86.47
	12/27/07	6.66	90.01
	03/27/08	6.88	89.79
	06/25/08	9.49	87.18
	10/01/08	10.43	86.24
	12/11/08	9.58	87.09
	03/10/09	9.02	87.65
	05/27/09	6.82	89.85
	09/01/09	8.67	88.00
	12/03/09	6.90	89.77
	02/18/10	5.80	90.87
	05/04/10	6.66	90.01
	08/17/10	7.90	88.77
	12/16/10	5.79	90.88
	02/25/11	6.09	90.58
	08/11/11	7.96	88.71
	02/07/12	6.92	89.75
	07/31/12	7.72	88.95
	08/01/12		
	01/22/13	5.52	91.15
	08/07/13	8.20	88.47
	03/24/14	6.84	89.83

Well ID TOC (feet) ¹	Date	DTW (feet bgs)	GWE (feet NAVD 88)
()		((
	08/27/14	8.58	88.09
237.51	01/21/15	6.45	231.06
207.01	06/29/15	8.19	229.32
	02/04/16	5.41	232.10
	08/02/16	8.40	229.11
MW-3	04/10/97	7.83	85.60
93.43	07/24/97	9.51	83.92
33.43	11/06/97	3.01	
97.23	01/27/98	7.71	89.52
57.25	04/29/98	9.70	87.53
	07/28/98	11.67	85.56
	10/21/98	11.18	86.05
	01/20/99	9.58	87.65
	04/22/99	9.50 8.54	88.69
	07/21/99	10.34	86.91
	10/26/99	12.13	85.10
	02/23/00	9.84	87.39
		9.63	
	05/31/00	9.03	87.60
	08/22/00		85.89
07.00	11/08/00	10.85	86.38
97.39	02/14/01	10.55	86.84
	04/19/01	9.96	87.43
	08/07/01	11.36	86.03
	11/01/01	11.90	85.49
	03/20/02	9.64	87.75
	05/14/02	9.51	87.88
	08/22/02	10.39	87.00
	12/03/02	11.75	85.64
	03/06/03	10.67	86.72
	06/12/03	12.29	85.10
	09/16/03	12.27	85.12
	12/17/03	9.62	87.77
	03/23/04	8.32	89.07
	07/07/04	9.88	87.51
	09/15/04	10.58	86.81
	12/13/04	10.12	87.27
	03/15/05	9.44	87.95
	06/13/05	9.61	87.78

Well ID TOC (feet) ¹	Date	DTW (feet bgs)	GWE (feet NAVD 88)
	09/27/05	10.86	86.53
	12/19/05	10.23	87.16
	03/20/06	7.63	89.76
	05/02/06	8.50	88.89
	12/08/06	7.80	89.59
	03/08/07	9.40	87.99
	06/27/07	9.34	88.05
	09/26/07	10.72	86.67
	12/27/07	8.25	89.14
	03/27/08	8.33	89.06
	06/25/08	9.28	88.11
	10/01/08	10.49	86.90
	12/11/08	9.57	87.82
	03/10/09	8.33	89.06
	05/27/09	8.49	88.90
	09/01/09	10.44	86.95
	12/03/09	8.62	88.77
	02/18/10	7.13	90.26
	05/05/10	8.23	89.16
	08/17/10	9.69	87.70
	12/16/10	7.44	89.95
	02/25/11	7.61	89.78
	08/11/11	9.70	87.69
	02/07/12	8.71	88.68
	07/31/12	9.46	87.93
	01/22/13	7.10	90.29
	08/07/13	10.00	87.39
	03/24/14	7.04	90.35
	08/27/14	10.31	87.08
238.26	01/21/15	7.99	230.27
	06/29/15	9.90	228.36
	02/04/16	6.21	232.05
	08/02/16	10.35	227.91
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

Well ID TOC		DTW	GWE
(feet) ¹	Date	(feet bgs)	(feet NAVD 88)
	10/21/98	12.01	85.30
	01/20/99	9.69	87.62
	04/22/99	7.92	89.39
	07/21/99	10.33	86.98
	10/26/99	12.96	84.35
	02/23/00	10.02	87.29
	05/31/00	10.16	87.15
	08/22/00	11.47	85.84
	11/08/00	11.41	85.90
97.47	02/14/01	11.19	86.28
	04/19/01	10.60	86.87
	08/07/01	11.89	85.58
	11/01/01	12.66	84.81
	03/20/02	8.80	88.67
	05/14/02	9.03	88.44
	08/22/02	6.29	91.18
	12/03/02	11.75	85.72
	03/06/03	10.95	86.52
	06/12/03	13.06	84.41
	09/16/03	12.82	84.65
	12/17/03	10.50	86.97
	03/23/04	8.20	89.27
	07/07/04	10.36	87.11
	09/15/04	11.38	86.09
	12/13/04	11.12	86.35
	03/15/05	9.94	87.53
	06/13/05	10.07	87.40
	09/27/05	11.55	85.92
	12/19/05	11.12	86.35
	03/20/06	7.08	90.39
	05/02/06	8.37	89.10
	12/08/06	6.88	90.59
	03/08/07	10.10	87.37
	06/27/07	9.58	87.89
	09/26/07	11.34	86.13
	12/27/07	8.31	89.16
	03/27/08	7.92	89.55
	06/25/08	9.56	87.91

Well ID TOC (feet) ¹	Date	DTW (feet bgs)	GWE (feet NAVD 88)
(ieet)	Dale	(leet bys)	
	4.0.10.4.10.0	40.50	
	10/01/08	10.50	86.97
	12/11/08	9.66	87.81
	03/10/09	7.40	90.07
	05/27/09	8.78	88.69
	09/01/09	11.19	86.28
	12/03/09	8.80	88.67
	02/18/10	7.26	90.21
	05/05/10	8.33	89.14
	08/17/10	10.38	87.09
	12/16/10	7.92	89.55
	02/25/11	7.35	90.12
	08/11/11	10.30	87.17
	02/07/12	9.51	87.96
	07/31/12	10.06	87.41
	01/22/13	6.67	90.80
	08/07/13	10.60	86.87
	03/24/14	7.04	90.43
	08/27/14	11.19	86.28
238.33	01/21/15	8.70	229.63
	06/29/15	10.61	227.72
	02/04/16	7.88	230.45
	08/02/16	10.83	227.50
MW-5	04/10/97	8.14	83.02
91.16	07/24/97	9.84	81.32
94.97	01/27/98	8.56	86.41
	04/29/98	10.40	84.57
	07/28/98	11.97	83.00
	10/21/98	11.78	83.19
	01/20/99	9.14	85.83
	04/22/99	9.71	85.26
	07/21/99	11.42	83.55
	10/26/99	12.65	82.32
	02/23/00	10.30	84.67
	05/31/00	10.53	84.44
	08/22/00	11.75	83.22
	11/08/00	11.11	83.86
95.11	02/14/01	10.77	84.34
	04/19/01	10.34	84.77

Well ID TOC (feet) ¹	Date	DTW (feet bgs)	GWE (feet NAVD 88)
(2 410	((
	08/07/01	11.94	83.17
	11/01/01	12.46	82.65
	03/20/02	9.92	85.19
	05/14/02	9.63	85.48
	08/22/02	10.81	84.30
	12/03/02	12.11	83.00
	03/06/03	11.16	83.95
	06/12/03	12.72	82.39
	09/16/03	12.72	82.41
	12/17/03	10.31	84.80
	03/23/04	9.00	86.11
	07/07/04	10.49	84.62
	09/15/04	11.22	83.89
	12/13/04	10.80	84.31
	03/15/05	10.00	85.02
	06/13/05	10.09	84.99
	09/27/05	11.34	83.77
		10.81	84.30
	12/19/05		
	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
	09/26/07	11.14	83.97
	12/27/07	8.89	86.22
	03/27/08	8.87	86.24
	06/25/08	12.58	82.53
	10/01/08	13.69	81.42
	12/11/08	9.87	85.24
	03/10/09	8.92	86.19
	05/27/09	9.10	86.01
	09/01/09	10.99	84.12
	12/03/09	9.24	85.87
	02/18/10	8.26	86.85
	05/05/10	9.00	86.11
	08/17/10	10.42	84.69
	12/16/10	8.61	86.50
	02/25/11	8.51	86.60

Well ID TOC (feet) ¹	Date	DTW (feet bgs)	GWE (feet NAVD 88)
(1001)	Duto	(1001.590)	
	08/11/11	10.44	84.67
	02/07/12	9.53	85.58
	02/07/12	9.55	84.95
	01/22/13	7.88	87.23
		10.50	
	08/07/13		84.61
		8.08	87.03
005.00	08/27/14	10.82	84.29
235.98	01/21/15	8.97	227.01
	06/29/15	10.59	225.39
	02/04/16	7.51	228.47
	08/02/16	10.78	225.20
MW-6	04/10/97	10.85	80.70
91.55	07/24/97	12.93	78.62
	11/06/97		
95.36	01/27/98	11.48	83.88
	04/29/98	12.91	82.45
	07/28/98	15.59	79.77
	10/21/98	15.78	79.58
	01/20/99	12.10	83.26
	04/22/99	12.90	82.46
	07/21/99	15.36	80.00
	10/26/99	16.45	78.91
	02/23/00	13.06	82.30
	05/31/00	13.88	81.48
	08/22/00	15.06	80.30
	11/08/00	15.40	79.96
94.51	02/14/01	14.22	80.29
-	04/19/01	13.60	80.91
	08/07/01	15.02	79.49
	11/01/01	15.77	78.74
	03/20/02	12.34	82.17
	05/14/02	13.05	81.46
	08/22/02	14.51	80.00
	12/03/02	16.13	78.38
	03/06/03	13.68	80.83
	06/12/03	15.60	78.91
	09/16/03	16.08	78.43
	12/17/03	13.30	81.21

Well ID TOC		DTW	GWE
(feet) ¹	Date	(feet bgs)	(feet NAVD 88)
	03/23/04	11.79	82.72
	07/07/04	14.00	80.51
	09/15/04	14.81	79.70
	12/13/04	14.35	80.16
	03/15/05	13.11	81.40
	06/13/05	13.09	81.42
	09/27/05	14.89	79.62
	12/19/05	14.09	80.42
	03/20/06	10.93	83.58
	05/02/06	11.96	82.55
	12/08/06	11.37	83.14
	03/08/07	13.25	81.26
	06/27/07	12.66	81.85
	09/26/07	14.38	80.13
	12/27/07	11.53	82.98
	03/27/08	12.73	81.78
	06/25/08	12.52	81.99
	10/01/08	13.63	80.88
	12/11/08	13.29	81.22
	03/10/09	12.36	82.15
	05/27/09	11.80	82.71
	09/01/09	14.39	80.12
	12/03/09	12.22	82.29
	02/18/10	10.94	83.57
	05/05/10	11.88	82.63
	08/17/10	13.58	80.93
	12/16/10	11.81	82.70
	02/25/11	11.01	83.50
	08/11/11	13.51	81.00
	02/07/12	12.03	82.48
	07/31/12	12.92	81.59
	08/01/12		
	01/22/13	10.20	84.31
	08/07/13	13.60	80.91
	03/24/14	10.07	84.44
	08/27/14	14.04	80.47
236.37	01/21/15	11.65	224.72
	06/29/15	13.71	222.66

Well ID TOC (feet) ¹	Date	DTW (feet bgs)	GWE (feet NAVD 88)
(2 0.10	((
	02/04/16	0.02	226.45
	02/04/16	9.92 14.20	226.45
	08/09/16		222.17
MW-7	04/10/97	7.32	85.41
92.73	07/24/97	9.55	83.18
00.00	11/06/97		
96.23	01/27/98	7.83	88.40
	04/29/98	9.63	86.60
	07/28/98	11.01	85.22
	10/21/98	11.58	84.65
	01/20/99	9.55	86.68
	04/22/99	8.27	87.96
	07/21/99	10.22	86.01
	10/26/99	12.41	83.82
	02/23/00	9.87	86.36
	05/31/00	10.26	85.97
	08/22/00	10.96	85.27
	11/08/00	11.18	85.05
96.67	02/14/01	10.54	86.13
	04/19/01	10.11	86.56
	08/07/01	11.23	85.44
	11/01/01	11.76	84.91
	03/20/02	8.79	87.88
	05/14/02	9.12	87.55
	08/22/02	10.55	86.12
	12/03/02	11.93	84.74
	03/06/03	10.37	86.30
	06/12/03	11.93	84.74
	09/16/03	11.86	84.81
	12/17/03	10.02	86.65
	03/23/04	8.53	88.14
	07/07/04	10.23	86.44
	09/15/04	10.99	85.68
	12/13/04	10.69	85.98
	03/15/05	9.97	86.70
	06/13/05	10.02	86.65
	09/27/05	11.25	85.42
	12/19/05	10.79	85.88
	03/20/06	7.67	89.00

Well ID TOC		DTW	OWE
(feet) ¹	Date	(feet bgs)	GWE (feet NAVD 88)
	05/02/06	8.67	88.00
	12/08/06	7.86	88.81
	03/08/07	10.05	86.62
	06/27/07	9.65	87.02
	09/26/07	11.08	85.59
	12/27/07	8.83	87.84
	03/27/08		
	06/25/08	8.73	87.94
	10/01/08	9.42	87.25
	12/11/08	9.50	87.17
	03/10/09	8.59	88.08
	05/27/09	8.91	87.76
	09/01/09	Dry	
	12/03/09	8.93	87.74
	02/18/10	7.78	88.89
	05/04/10	8.66	88.01
	12/16/10	8.12	88.55
	02/25/11	7.87	88.80
	08/11/11	10.20	86.47
	02/07/12	9.47	87.20
	07/31/12	9.96	86.71
	01/22/13	7.48	89.19
	08/07/13	9.57	87.10
	03/24/14	8.62	88.05
	08/27/14	10.81	85.86
237.54	01/21/15	8.71	228.83
	06/29/15	8.99	228.55
	02/04/16	7.32	230.22
	08/02/16	10.61	226.93
MW-8	04/10/97	8.20	85.30
93.50	07/24/97	9.60	83.90
	11/06/97		
97.03	01/27/98	7.51	89.52
	04/29/98	22.43	74.60
	07/28/98	22.45	74.58
	10/21/98	9.53	87.50
	01/20/99	9.19	87.84
	04/22/99	8.35	88.68

TOC $(feet)^1$ DateDTW $(feet bgs)$ GWE $(feet NAVD 8)$ 07/21/9910.4386.6010/26/9910.8586.1802/23/009.4787.5605/31/009.5187.5208/22/0021.6175.4211/08/009.6987.3497.1902/14/019.3987.8004/19/018.8188.3808/07/0121.2575.9411/01/0120.7276.4703/20/0219.5177.6805/14/028.8788.3208/22/029.1888.0112/03/0210.9086.2903/06/0320.7076.4906/11/0321.2075.9909/16/0320.8076.3912/17/038.3888.8103/23/047.9589.24	8)
07/21/99 10.43 86.60 10/26/99 10.85 86.18 02/23/00 9.47 87.56 05/31/00 9.51 87.52 08/22/00 21.61 75.42 11/08/00 9.69 87.34 97.19 02/14/01 9.39 87.80 04/19/01 8.81 88.38 08/07/01 21.25 75.94 11/01/01 20.72 76.47 03/20/02 19.51 77.68 05/14/02 8.87 88.32 08/22/02 9.18 88.01 12/03/02 10.90 86.29 03/06/03 20.70 76.49 06/11/03 21.20 75.99 09/16/03 20.80 76.39 12/17/03 8.38 88.81	8)
10/26/99 10.85 86.18 02/23/00 9.47 87.56 05/31/00 9.51 87.52 08/22/00 21.61 75.42 11/08/00 9.69 87.34 97.19 02/14/01 9.39 87.80 04/19/01 8.81 88.38 08/07/01 21.25 75.94 11/01/01 20.72 76.47 03/20/02 19.51 77.68 05/14/02 8.87 88.32 08/22/02 9.18 88.01 12/03/02 10.90 86.29 03/06/03 20.70 76.49 06/11/03 21.20 75.99 09/16/03 20.80 76.39 12/17/03 8.38 88.81	
10/26/99 10.85 86.18 02/23/00 9.47 87.56 05/31/00 9.51 87.52 08/22/00 21.61 75.42 11/08/00 9.69 87.34 97.19 02/14/01 9.39 87.80 04/19/01 8.81 88.38 08/07/01 21.25 75.94 11/01/01 20.72 76.47 03/20/02 19.51 77.68 05/14/02 8.87 88.32 08/22/02 9.18 88.01 12/03/02 10.90 86.29 03/06/03 20.70 76.49 06/11/03 21.20 75.99 09/16/03 20.80 76.39 12/17/03 8.38 88.81	
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11/08/00 9.69 87.34 97.19 02/14/01 9.39 87.80 04/19/01 8.81 88.38 08/07/01 21.25 75.94 11/01/01 20.72 76.47 03/20/02 19.51 77.68 05/14/02 8.87 88.32 08/22/02 9.18 88.01 12/03/02 10.90 86.29 03/06/03 20.70 76.49 06/11/03 21.20 75.99 09/16/03 20.80 76.39 12/17/03 8.38 88.81	
97.1902/14/019.3987.8004/19/018.8188.3808/07/0121.2575.9411/01/0120.7276.4703/20/0219.5177.6805/14/028.8788.3208/22/029.1888.0112/03/0210.9086.2903/06/0320.7076.4906/11/0321.2075.9909/16/0320.8076.3912/17/038.3888.81	
04/19/01 8.81 88.38 08/07/01 21.25 75.94 11/01/01 20.72 76.47 03/20/02 19.51 77.68 05/14/02 8.87 88.32 08/22/02 9.18 88.01 12/03/02 10.90 86.29 03/06/03 20.70 76.49 06/11/03 21.20 75.99 09/16/03 20.80 76.39 12/17/03 8.38 88.81	
08/07/01 21.25 75.94 11/01/01 20.72 76.47 03/20/02 19.51 77.68 05/14/02 8.87 88.32 08/22/02 9.18 88.01 12/03/02 10.90 86.29 03/06/03 20.70 76.49 06/11/03 21.20 75.99 09/16/03 20.80 76.39 12/17/03 8.38 88.81	
11/01/01 20.72 76.47 03/20/02 19.51 77.68 05/14/02 8.87 88.32 08/22/02 9.18 88.01 12/03/02 10.90 86.29 03/06/03 20.70 76.49 06/11/03 21.20 75.99 09/16/03 20.80 76.39 12/17/03 8.38 88.81	
03/20/02 19.51 77.68 05/14/02 8.87 88.32 08/22/02 9.18 88.01 12/03/02 10.90 86.29 03/06/03 20.70 76.49 06/11/03 21.20 75.99 09/16/03 20.80 76.39 12/17/03 8.38 88.81	
05/14/02 8.87 88.32 08/22/02 9.18 88.01 12/03/02 10.90 86.29 03/06/03 20.70 76.49 06/11/03 21.20 75.99 09/16/03 20.80 76.39 12/17/03 8.38 88.81	
08/22/02 9.18 88.01 12/03/02 10.90 86.29 03/06/03 20.70 76.49 06/11/03 21.20 75.99 09/16/03 20.80 76.39 12/17/03 8.38 88.81	
12/03/02 10.90 86.29 03/06/03 20.70 76.49 06/11/03 21.20 75.99 09/16/03 20.80 76.39 12/17/03 8.38 88.81	
03/06/03 20.70 76.49 06/11/03 21.20 75.99 09/16/03 20.80 76.39 12/17/03 8.38 88.81	
06/11/03 21.20 75.99 09/16/03 20.80 76.39 12/17/03 8.38 88.81	
09/16/03 20.80 76.39 12/17/03 8.38 88.81	
12/17/03 8.38 88.81	
03/23/04 7 95 89 24	
07/07/04 8.83 88.36	
09/15/04 9.15 88.04	
12/13/04 8.66 88.53	
03/15/05 8.62 88.57	
06/13/05 9.23 87.96	
09/27/05 9.49 87.70	
12/19/05 10.12 87.07	
03/20/06 7.74 89.45	
05/02/06 8.10 89.09	
12/08/06 7.98 89.21	
03/08/07 8.69 88.50	
06/27/07 8.51 88.68	
09/26/07 10.00 87.19	
12/27/07 7.84 89.35	
03/27/08 8.04 89.15	
06/25/08 9.24 87.95	
10/01/08 10.43 86.76	
12/11/08 9.79 87.40	
03/10/09 9.01 88.18	

Well ID TOC		DTW	GWE
(feet) ¹	Date	(feet bgs)	(feet NAVD 88)
	05/27/09	8.11	89.08
	09/01/09	9.26	87.93
	12/03/09	8.14	89.05
	02/18/10	15.45	81.74
	05/05/10	7.97	89.22
	08/17/10	8.74	88.45
	12/16/10	7.60	89.59
	02/25/11	7.73	89.46
	08/11/11	8.88	88.31
	02/07/12	8.19	89.00
	07/31/12	8.67	88.52
	01/22/13	6.39	90.80
	08/07/13	9.30	87.89
	03/24/14	8.33	88.86
	08/27/14	9.85	87.34
238.04	01/21/15	7.84	230.20
	01/22/15		
	06/29/15	8.99	229.05
	02/04/16	7.35	230.69
	08/02/16	9.11	228.93
MW-9	07/31/14	DRY	
94.84	08/25/14	DRY	
	08/27/14	DRY	
236.70	01/21/15	DRY	
	02/18/15	DRY	
	03/05/15	DRY	
	03/17/15	DRY	
	06/29/15	DRY	
	02/04/16	16.85	219.85
	08/02/16	19.88	216.82
MW-24	04/10/97	6.56	85.51
92.07	07/24/97	7.32	84.75
	11/06/97		
	01/27/98	6.26	85.81
	04/29/98	6.96	85.11
	07/28/98	8.09	83.98
	10/21/98	8.68	83.39
	01/20/99	6.47	85.60

Well ID TOC			014/5
(feet) ¹	Date	DTW (feet bgs)	GWE (feet NAVD 88)
		()	· · · · · ·
	04/22/99	7.87	84.20
	07/21/99	8.75	83.32
	10/26/99	9.43	82.64
	02/23/00	7.98	84.09
	05/31/00	8.48	83.59
	08/22/00	8.35	83.72
	11/08/00	8.39	83.68
96.02	02/14/01	7.78	88.24
00.02	04/19/01	7.45	88.57
	08/07/01	8.30	87.72
	11/01/01	8.60	87.42
	03/20/02	6.86	89.16
	05/14/02	7.35	88.67
	08/22/02	8.35	87.67
	12/03/02	8.73	87.29
	03/06/03	7.32	88.70
	06/12/03	8.90	87.12
	09/16/03	10.26	85.76
	12/17/03	7.10	88.92
	03/23/04	6.98	89.04
	03/23/04	7.77	88.25
	09/15/04	8.14	
	12/13/04	7.23	87.88
	03/15/05		88.79
		7.54	88.48
	06/13/05	7.47	88.55
	09/27/05	8.59	87.43
	12/19/05	7.87	88.15
	03/20/06	6.72	89.30
	05/02/06	7.02	89.00
	12/08/06	7.02	89.00
	03/08/07	8.09	87.93
	06/27/07	7.57	88.45
	09/26/07	8.49	87.53
	12/27/07	7.09	88.93
	03/27/08	7.29	88.73
	06/25/08	7.84	88.18
	10/01/08	8.49	87.53
	12/11/08	9.80	86.22

Well ID TOC		DTW	GWE
(feet) ¹	Date	(feet bgs)	(feet NAVD 88)
		(),	· · · · · · · · · · · · · · · · · · ·
	03/10/09		
	05/27/09	7.10	88.92
	09/01/09	8.67	87.35
	12/04/09	7.10	88.92
	02/18/10	6.57	89.45
	05/05/10	7.02	89.00
	08/17/10	8.10	87.92
	12/16/10	6.35	89.67
	02/25/11	6.90	89.12
	08/11/11	8.01	88.01
	02/07/12	6.75	89.27
	07/31/12	7.58	88.44
	08/01/12		
MW-25	04/10/97	6.85	86.33
93.18	07/24/97	7.43	85.75
	11/06/97		
96.99	01/27/98	6.09	90.90
	04/29/98	7.18	89.81
	07/28/98	8.16	88.83
	10/21/98	8.08	88.91
	01/20/99	6.05	90.94
	04/22/99	8.07	88.92
	07/21/99	8.81	88.18
	10/26/99	9.61	87.38
	02/23/00	7.73	89.26
	05/31/00	8.43	88.56
	08/22/00	8.46	88.53
	11/08/00	7.16	89.83
97.15	02/14/01	7.75	89.40
	04/19/01	7.34	89.81
	08/07/01	8.24	88.91
	11/01/01	8.03	89.12
	03/20/02	6.61	90.54
	05/14/02	7.48	89.67
	08/22/02	8.30	88.85
	12/03/02	8.44	88.71
	03/06/03	7.45	89.70
	06/12/03	9.16	87.99

Well ID TOC (feet) ¹	Date	DTW (feet bgs)	GWE (feet NAVD 88)
	09/16/03	8.68	88.47
	12/17/03	6.90	90.25
	03/23/04	7.17	89.98
	07/07/04	7.87	89.28
	09/15/04	8.02	89.13
	12/13/04	6.90	90.25
	03/05/05	7.65	89.50
	06/13/05	7.66	89.49
	09/27/05	8.55	88.60
	12/19/05	7.90	89.25
	03/20/06	6.93	90.22
	05/02/06	7.32	89.83
	12/08/06	7.33	89.82
	03/08/07	7.72	89.43
	06/27/07	7.83	89.32
	09/26/07	8.63	88.52
	12/27/07	7.08	90.07
	03/27/08	7.07	90.08
	06/25/08	7.93	89.22
	10/01/08	8.51	88.64
	12/11/08	8.01	89.14
	03/10/09	7.34	89.81
	05/27/09	7.36	89.79
	09/01/09	8.64	88.51
	12/03/09	7.16	89.99
	02/18/10	6.26	90.89
	05/05/10	7.19	89.96
	08/17/10	8.16	88.99
	12/16/10	6.11	91.04
	02/25/11	6.74	90.41
	08/11/11	8.14	89.01
	02/07/12	6.81	90.34
	07/31/12	7.77	89.38
MW-29	07/24/98	8.61	77.16
85.77	07/24/97		
	11/06/97		
89.57	01/27/98	7.14	82.43
	04/29/98	8.39	81.18

Well ID			
TOC (feet) ¹	Date	DTW (feet bgs)	GWE (feet NAVD 88)
(1001)	Dato	(roor sgo)	
	07/28/98	9.17	80.40
	10/21/98	9.17	80.15
	01/20/99	7.01	82.56
	04/22/99	9.18	80.39
	07/21/99	9.75	79.82
	10/26/99	10.28	79.29
	02/23/00	8.87	80.70
	02/23/00	9.56	80.01
	03/31/00	9.30	80.26
	11/08/00		80.90
00.74		8.67	
89.74	02/14/01	8.52	81.22
	04/19/01	8.47	81.27
	08/07/01	9.19	80.55
	11/01/01	8.81	80.93
	03/20/02	8.07	81.67
	05/14/02	8.63	81.11
	08/22/02	9.29	80.45
	12/03/02	9.32	80.42
	03/06/03	8.49	81.25
	06/12/03	10.11	79.63
	09/16/03	9.53	80.21
	12/17/03	7.94	81.80
	03/23/04	8.39	81.35
	07/07/04	8.97	80.77
	09/15/04	9.11	80.63
	12/13/04	7.73	82.01
	03/15/05	8.63	81.11
	06/13/05	8.63	81.11
	09/27/05	9.44	80.30
	12/19/05	8.73	81.01
	03/20/06	8.18	81.56
	05/02/06	8.40	81.34
	12/08/06		
	03/08/07		
	06/27/07	8.57	81.17
	09/26/07	9.11	80.63
	12/27/07	7.74	82.00
	03/27/08	7.78	81.96

Well ID			
TOC	Data	DTW (fact here)	GWE
(feet) ¹	Date	(feet bgs)	(feet NAVD 88)
	06/25/08	8.65	81.09
	10/01/08	9.12	80.62
	12/11/08	8.58	81.16
	03/10/09	8.09	81.65
	05/27/09	7.95	81.79
	09/01/09	8.85	80.89
	12/03/09	7.60	82.14
	02/18/10	7.28	82.46
	05/05/10	7.82	81.92
	08/23/10	8.89	80.85
	12/16/10	6.70	83.04
	02/25/11	7.47	82.27
	08/11/11	8.90	80.84
	02/07/12	7.68	82.06
	07/31/12	8.44	81.30
VP-1	12/03/02	10.72	87.73
98.45	03/06/03	9.26	89.19
	06/12/03	9.64	88.81
	09/16/03	11.02	87.43
	12/17/03	8.08	90.37
	03/23/04	7.14	91.31
	07/07/04	8.54	89.91
	09/15/04	9.25	89.20
	12/13/04	8.40	90.05
	03/15/05	8.36	90.09
	06/13/05	8.37	90.08
	09/27/05	9.63	88.82
	12/19/05	8.97	89.48
	03/20/06	6.66	91.79
	05/02/06	7.43	91.02
	12/08/06	6.22	92.23
	03/08/07	8.40	90.05
	06/27/07	8.22	90.23
	09/26/07	9.55	88.90
	12/27/07	7.20	91.25
	03/27/08	7.36	91.09
	06/25/08	6.52	91.93
	10/01/08	8.93	89.52
L	10/01/00	0.93	09.02

Well ID			
TOC (feet) ¹	Dete	DTW (fact bga)	GWE
(ieel)	Date	(feet bgs)	(feet NAVD 88)
	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
	05/04/10	7.81	90.64
	08/17/10	8.39	90.06
	12/16/10	6.33	92.12
	02/25/11	6.51	91.94
	08/11/11	8.51	89.94
	02/07/12	7.46	90.99
	07/31/12	8.26	90.19
	01/22/13	6.01	92.44
	08/07/13	8.71	89.74
	03/24/14	5.98	92.47
	08/27/14	9.04	89.41
239.33	01/21/15	7.01	232.32
	06/29/15	8.69	230.64
	02/04/16	5.01	234.32
	08/02/16	8.90	230.43
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
	03/31/00	9.94	87.64
		9.94	
07 70	11/08/00		88.11
97.73	02/14/01	9.19	88.54
	04/19/01	8.51	89.22
L	08/07/01	9.82	87.91

Well ID TOC		DTW	GWE
(feet) ¹	Date	(feet bgs)	(feet NAVD 88)
	11/01/01	10.32	87.41
	03/20/02	8.07	89.66
	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
	09/26/07	9.23	88.50
	12/27/07	6.80	90.93
	03/27/08	7.02	90.71
	06/25/08	6.63	91.10
	10/01/08	9.45	88.28
	12/11/08	8.14	89.59
	03/10/09	7.16	90.57
	05/27/09	6.99	90.74
	09/01/09	8.89	88.84
	12/03/09	7.01	90.72
	02/18/10	6.12	91.61
	05/04/10	6.78	90.95
	08/17/10	8.09	89.64
	12/16/10	6.00	91.73
	02/25/11	6.11	91.62
	08/11/11	8.12	89.61

Well ID			
TOC	Data	DTW	GWE
(feet) ¹	Date	(feet bgs)	(feet NAVD 88)
	-		
	02/07/12	7.19	90.54
	07/31/12	7.92	89.81
	08/01/12		
	01/22/13	5.69	92.04
	08/07/13	8.40	89.33
	03/24/14	5.60	92.13
	08/27/14	8.78	88.95
238.59	01/21/15	6.62	231.97
	06/29/15	8.29	230.30
	02/04/16	5.00	233.59
	08/02/16	8.59	230.00
VP-3	04/10/97	6.72	87.08
93.80	07/24/97	8.50	85.30
	11/06/97		
97.61	01/27/98	6.66	90.95
	04/29/98	9.37	88.24
	07/28/98	11.47	86.14
	10/21/98	10.55	87.06
	01/20/99	8.66	88.95
	04/22/99	7.63	89.98
	07/21/99	9.48	88.13
	10/26/99	11.41	86.20
	02/23/00	8.88	88.73
	05/31/00	9.06	88.55
	08/22/00	11.03	86.58
	11/08/00	10.24	87.37
97.75	02/14/01	9.85	87.90
	04/19/01	9.21	88.54
	08/07/01	10.99	86.76
	11/01/01	11.52	86.23
	03/20/02	9.08	88.67
	05/14/02	8.56	89.19
	08/22/02	9.55	88.20
	12/03/02	11.14	86.61
	03/06/03	10.23	87.52
	06/12/03	10.72	87.03
	09/16/03	11.90	85.85
	12/17/03	8.66	89.09
	,,00	0.00	55.55

Well ID TOC		DTW	GWE
(feet) ¹	Date	(feet bgs)	(feet NAVD 88)
	03/23/04	7.44	90.31
	07/07/04	8.99	88.76
	09/15/04	9.79	87.96
	12/13/04	9.24	88.51
	03/15/05	8.70	89.05
	06/13/05	8.70	89.05
	09/27/05	10.05	87.70
	12/19/05	10.27	87.48
	03/20/06	6.81	90.94
	05/02/06	7.67	90.08
	12/08/06		
	03/08/07		
	06/27/07	7.76	89.99
	09/26/07	9.24	88.51
	12/27/07	6.60	91.15
	03/27/08	6.87	90.88
	06/25/08	6.05	91.70
	10/01/08	9.63	88.12
	12/11/08	7.94	89.81
	03/10/09	6.98	90.77
	05/27/09	6.90	90.85
	09/01/09	8.84	88.91
	12/03/09	6.93	90.82
	02/18/10	5.65	92.10
	05/05/10	6.68	91.07
	08/17/10	8.09	89.66
	12/16/10	5.96	91.79
	02/25/11	5.90	91.85
	08/11/11	8.20	89.55
	02/07/12	7.16	90.59
	07/31/12	7.88	89.87
	08/01/12		
	01/22/13	5.42	92.33
	08/07/13	8.30	89.45
	03/24/14	5.45	92.30
	08/27/14	8.74	89.01
237.86	01/21/15	6.51	231.35
	06/29/15	8.35	229.51

Well ID TOC		DTW	GWE
(feet) ¹	Date	(feet bgs)	(feet NAVD 88)
	02/04/16	4.81	233.05
	08/02/16	8.61	229.25
VP-4	12/03/02	10.64	86.60
97.24	03/06/03	9.05	88.19
	06/12/03	9.29	87.95
	09/16/03	10.98	86.26
	12/17/03	8.18	89.06
	03/23/04	6.57	90.67
	07/07/04	8.38	88.86
	09/15/04	9.31	87.93
	12/13/04	8.84	88.40
	03/15/05	8.08	89.16
	06/13/05	8.15	89.09
	09/27/05	8.56	88.68
	12/19/05	8.96	88.28
	03/20/06	5.79	91.45
	05/02/06	6.83	90.41
	12/08/06	5.90	91.34
	03/08/07	8.18	89.06
	06/27/07	7.80	89.44
	09/26/07	9.41	87.83
	12/27/07	6.70	90.54
	03/27/08	6.68	90.56
	06/25/08	7.70	89.54
	10/01/08	9.14	88.10
	12/11/08	8.01	89.23
	03/10/09	6.80	90.44
	05/27/09	6.95	90.29
	09/01/09	9.14	88.10
	12/03/09	6.83	90.41
	02/18/10	5.67	91.57
	05/04/10	6.68	90.56
	12/16/10	6.11	91.13
	02/25/11	5.83	91.41
	08/11/11	8.35	88.89
	02/07/12	7.02	90.22
	07/31/12	8.12	89.12
	01/22/13	5.83	91.41

Well ID TOC		D.T.M	014/5
(feet) ¹	Date	DTW (feet bgs)	GWE (feet NAVD 88)
	08/07/13	9.52	87.72
	03/24/14	9.04	88.20
	08/27/14	9.01	88.23
	09/02/14		
238.29	01/21/15	6.72	231.57
	01/22/15		
	06/29/15	8.47	229.82
	02/04/16	4.33	233.96
	08/03/16	8.80	229.49
VP-5	04/10/97	6.72	86.38
93.10	07/24/97	8.81	84.29
	11/06/07		
96.91	01/27/98	6.89	90.02
	04/29/98	17.92	78.99
	07/28/98	17.80	79.11
	10/21/98	10.92	85.99
	01/20/99	8.90	88.01
	04/22/99	8.89	88.02
	07/21/99	10.21	86.70
	10/26/99	11.85	85.06
	02/23/00	9.27	87.64
	05/31/00	9.32	87.59
	08/22/00	13.22	83.69
	11/08/00	10.65	86.26
97.07	02/14/01	10.15	86.92
	04/19/01	10.45	86.62
	08/07/01	17.37	79.70
	11/01/01	17.67	79.40
	03/20/02	15.56	81.51
	05/14/02	8.63	88.44
	08/22/02	9.94	87.13
	12/03/02	13.00	84.07
	03/06/03	17.20	79.87
	06/11/03	17.60	79.47
	09/16/03	14.00	83.07
	12/17/03	9.22	87.85
	03/23/04	7.72	89.35
	07/07/04	9.43	87.64

Date	DTW (feet bgs)	GWE (feet NAVD 88)
Date	(ICCL bg3)	
00/45/04	40.05	00.00
		86.82
		87.32
		88.02
		87.77
		86.84
		88.18
		90.24
05/02/06	7.70	89.37
12/08/06		
03/08/07		
06/27/07	8.56	88.51
09/26/07	11.61	85.46
12/27/07	7.42	89.65
03/27/08	7.47	89.60
06/25/08	6.55	90.52
10/01/08	10.01	87.06
12/11/08	8.70	88.37
03/10/09	8.49	88.58
05/27/09	7.71	89.36
09/01/09	9.84	87.23
12/03/09	7.72	89.35
02/18/10	6.34	90.73
05/04/10	7.48	89.59
12/16/10	6.84	90.23
02/25/11	6.78	90.29
08/11/11	9.11	87.96
02/07/12	8.09	88.98
07/31/12	8.82	88.25
01/22/13	6.17	90.90
08/07/13	9.30	87.77
03/24/14	6.84	90.23
03/25/14		
08/27/14	9.75	87.32
01/21/15		230.43
		228.62
		232.55
		228.38
	12/08/06 03/08/07 06/27/07 12/27/07 03/27/08 06/25/08 10/01/08 12/11/08 03/10/09 05/27/09 09/01/09 02/18/10 05/04/10 12/16/10 02/25/11 08/11/11 02/07/12 07/31/12 01/22/13 08/07/13 03/24/14 03/25/14	12/13/049.7503/15/059.0506/13/059.3009/27/0510.2312/19/058.8903/20/066.8305/02/067.7012/08/0603/08/0706/27/078.5609/26/0711.6112/27/087.4706/25/086.5510/01/0810.0112/11/088.7003/10/098.4905/27/097.7109/01/099.8412/03/097.7202/18/106.3405/04/107.4812/16/106.8402/25/116.7808/11/119.1102/07/128.0907/31/128.8201/22/136.1708/07/139.3003/24/146.8403/25/1408/27/149.7501/22/1506/29/159.3102/04/165.38

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

Well ID TOC		DTW	GWE
(feet) ¹	Date	(feet bgs)	(feet NAVD 88)
	06/27/07	7.64	90.21
	09/26/07	8.84	89.01
	12/27/07	7.03	90.82
	03/27/08	7.03	90.82
	06/25/08	7.68	90.17
	10/01/08	8.65	89.20
	12/11/08	7.98	89.87
	03/10/09	7.19	90.66
	05/27/09	6.98	90.87
	09/01/09	8.62	89.23
	12/03/09	6.93	90.92
	02/25/10	6.00	91.85
	05/04/10	6.83	91.02
	08/17/10	7.93	89.92
	12/16/10	6.00	91.85
	02/25/11	6.30	91.55
	08/11/11	8.01	89.84
	02/07/12	7.03	90.82
	07/31/12	7.79	90.06
	08/01/12		
	01/22/13	6.00	91.85
	08/07/13	8.20	89.65
	03/24/14	5.87	91.98
	08/27/14	8.34	89.51
238.72	01/21/15	6.71	232.01
	01/22/15		
	06/29/15	8.17	230.55
	02/04/16	5.30	233.42
	08/02/16	8.37	230.35
VP-7	04/10/97	13.32	79.84
93.16	07/24/97	10.60	82.56
96.79	01/27/98	7.69	89.10
	04/29/98	13.21	83.58
	07/28/98	13.14	83.65
	10/21/98	10.27	86.52
	01/20/99	12.75	84.04
	04/22/99	9.95	86.84
	07/21/99	12.62	84.17

Well ID			
TOC	5.	DTW	GWE
(feet) ¹	Date	(feet bgs)	(feet NAVD 88)
	10/26/99	11.20	85.59
	02/23/00	8.80	87.99
	05/31/00	9.08	87.71
	08/22/00	12.81	83.98
	11/08/00	9.40	87.39
96.92	02/14/01	9.58	87.34
	04/19/01	8.86	88.06
	08/07/01	11.38	85.54
	11/01/01	12.10	84.82
	03/20/02	12.18	84.74
	05/14/02	12.75	84.17
	08/22/02	9.42	87.50
	12/03/02	12.10	84.82
	03/06/03	12.75	84.17
	06/11/03	12.85	84.07
	09/16/03	11.42	85.50
	12/17/03	8.37	88.55
	03/23/04	7.17	89.75
	07/07/04	8.78	88.14
	09/15/04	9.58	87.34
	12/13/04	8.74	88.18
	03/15/05	8.45	88.47
	06/13/05	10.31	86.61
	09/27/05	9.81	87.11
	12/19/05	12.29	84.63
	03/20/06	6.61	90.31
	05/02/06	7.45	89.47
	12/08/06	6.81	90.11
	03/08/07	8.56	88.36
	06/27/07	8.30	88.62
	09/26/07	10.91	86.01
	12/27/07	7.48	89.44
	03/27/08	7.36	89.56
	06/25/08	6.54	90.38
	10/01/08	9.72	87.20
	12/11/08	9.36	87.56
	03/10/09	8.60	88.32
	05/27/09	7.32	89.60
L	00/21/09	1.52	00.00

Well ID TOC		DTW	GWE
(feet) ¹	Date	(feet bgs)	(feet NAVD 88)
	09/01/09		
	12/03/09	10.02	86.90
	02/18/10	6.12	90.80
	05/05/10	7.18	89.74
	08/17/10	8.52	88.40
	12/16/10	6.50	90.42
	02/25/11	6.51	90.41
	08/11/11	8.59	88.33
	02/07/12	7.51	89.41
	07/31/12	8.26	88.66
	08/01/12		
	01/22/13	6.01	90.91
	08/07/13	9.39	87.53
	03/24/14	6.54	90.38
	08/27/14	9.21	87.71
237.80	01/21/15	6.81	230.99
	01/22/15		
	06/29/15	8.73	229.07
	02/04/16	5.53	232.27
	08/03/16	9.10	228.70
VP-8	04/10/97	12.77	79.95
92.72	07/24/97	8.31	84.41
	11/06/97		
96.52	01/27/98	7.16	89.36
	04/29/98	11.93	84.59
	07/28/98	12.41	84.11
	10/21/98	10.91	85.61
	01/20/99	8.30	88.22
	04/22/99	11.35	85.17
	07/21/99	12.41	84.11
	10/26/99	11.61	84.91
	02/23/00	12.65	83.87
	05/31/00	8.77	87.75
	08/22/00	11.79	84.73
	11/08/00	10.40	86.12
96.67	02/14/01	10.01	86.66
	04/19/01	9.35	87.32
	08/07/01	11.02	85.65

Well ID TOC		DTW	OWE
(feet) ¹	Date	(feet bgs)	GWE (feet NAVD 88)
	11/01/01	12.95	83.72
	03/20/02	12.85	83.82
	05/14/02	12.89	83.78
	08/22/02	9.52	87.15
	12/03/02	12.50	84.17
	03/06/03	17.20	79.47
	06/11/03	12.80	83.87
	09/16/03	12.78	83.89
	12/17/03	9.17	87.50
	03/23/04	7.15	89.52
	07/07/04	9.06	87.61
	09/15/04	10.04	86.63
	12/13/04	9.74	86.93
	03/15/05	8.72	87.95
	06/13/05	DRY	
	09/27/05	10.24	86.43
	12/19/05	11.13	85.54
	03/20/06	6.17	90.50
	05/02/06	7.31	89.36
	12/08/06	6.40	90.27
	03/08/07	8.88	87.79
	06/27/07	8.34	88.33
	09/26/07	11.20	85.47
	12/27/07	7.13	89.54
	03/27/08	6.84	89.83
	06/25/08	6.03	90.64
	10/01/08	9.12	87.55
	12/11/08	9.36	87.31
	03/10/09	7.35	89.32
	05/27/09	7.50	89.17
	09/01/09		
	12/03/09	7.45	89.22
	02/18/10	6.04	90.63
	05/04/10	7.11	89.56
	12/16/10	6.71	89.96
	02/25/11	6.18	90.49
	08/11/11	9.00	87.67
	02/07/12	7.94	88.73
L	02/07/12	1.94	00.75

Table 3

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

Well ID TOC		DTW	GWE
(feet) ¹	Date	(feet bgs)	(feet NAVD 88)
	07/31/12	8.76	87.91
	01/22/13	6.25	90.42
	08/07/13	9.20	87.47
	03/24/14	6.40	90.27
	03/25/14		
	08/27/14	9.76	86.91
237.56	01/21/15	7.35	230.21
	01/22/15		
	06/29/15	9.25	228.31
	02/04/16	4.81	232.75
	08/03/16	9.55	228.01
VP-9	12/03/02	11.22	88.59
99.81	03/06/03	9.70	90.11
	06/12/03	10.09	89.72
	09/16/03	11.42	88.39
	12/1703	8.63	91.18
	03/23/04	7.93	91.88
	07/07/04	9.31	90.50
	09/15/04	9.93	89.88
	12/13/04	9.01	90.80
	03/15/05	9.01	90.80
	06/13/05	9.01	90.80
	09/27/05	10.23	89.58
	12/19/05	9.40	90.41
	03/20/06	7.50	92.31
	05/02/06	8.15	91.66
	12/08/06	7.39	92.42
	03/08/07	9.67	90.14
	06/27/07	8.89	90.92
	09/26/07	10.11	89.70
	12/27/07	7.94	91.87
	03/27/08	8.13	91.68
	06/25/08	7.44	92.37
	10/01/08	9.51	90.30
	12/11/08	9.20	90.61
	03/10/09	8.29	91.52
	05/27/09	8.12	91.69
	09/01/09	9.87	89.94

Table 3

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

Well ID TOC (feet) ¹	Date	DTW (feet bgs)	GWE (feet NAVD 88)
	12/03/09	8.00	91.81
	02/18/10	7.02	92.79
	05/04/10	7.93	91.88
	12/16/10	6.94	92.87
	02/25/11	7.30	92.51
	08/11/11	9.27	90.54
	02/07/12	8.21	91.60
	07/31/12	9.04	90.77
	01/22/13	6.47	93.34
	08/07/13	9.29	90.52
	03/24/14	8.72	91.09
	08/27/14	9.65	90.16
240.67	01/21/15	7.71	232.96
	06/29/15	9.41	231.26
	02/04/16	6.31	234.36
	08/02/16	9.69	230.98

Notes:

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

--- - not measured

ft - feet

bgs - below ground surface

DTW - depth to water

GWE - groundwater elevation

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

Appendix A Groundwater Sampling Field Forms

WELL GAUGING DATA

Project #	160204-LB1	Date	2/4/	16	Client	AECOM
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Site ZIO 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 (ff.)	Depth to well bottom (ft.)	Survey Point: TOB or TQE	Notes
Mw-1	0717	2					4.42	6.48		
14m1.2	6803	4					5.41	2045		
MW-3	6754	4					6-21	13.21		
MW-4	0736	4					7.88	14.56		
MW-5	0828	4					7.51	19.60		
MW-6	1113	4					9.92	19.30		
MW-7	6740	4					7.32	241.18		
MW-8	0819	4					7.35	1761		
Mw1-9	6834	Иz					16-85	20.02		
VP-1	6721	<u> </u>		ŝ			5.01	14.21		
VP.Z	6728	4					5.00	1368		
VP-3	0732	4			L		4.81	13.36	ļ	
VP-4	6725	4					4.33	13.56		
VP-5	6749	4					5.38	16.59		ļ
VP-G	0814	4					5.30	13.71		
VP.7	0758	4					5.3	10.99		
VP-8	6744	4					4.81	10.63		

WELL GAUGING DATA

Project #	1602021-LB1	Date	z/4/16	Client	AECOM
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Site ZIO NE 45TH ST. SEATTLE, LUA

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 (fi.)	Depth to well bottom (fl.)	Survey Point: TOB or FOC	Notes
VP.9	0810	4					6.31	9.81	Ý	
<u></u>										
									<u> </u>	
						<u> </u>				
									1	
			<u> </u>			L		l	<u></u>	<u> </u>

Project #:	160204	-181		Client:	AECOM				
Sampler:	LB			Gauging D					
Well I.D.	: MW-1			Well Diameter (in.): 2 3 4 6 8					
Total We	ll Depth (f	t.): 6	48	Depth to W	Depth to Water (ft.): 4, 42				
Depth to	Free Produ			Thickness	of Free Pr	oduct (fe	et):		
Reference		PXC	Grade	Flow Cell	Type: y	5 <i>T 3</i> -5			
Purge Method: 2" Grundfos Pump Sampling Method: Dedicated Cubing					PeristatorPump Bladder Pump New Tubing Other				
				100 ml/m	N		Pump Depth:	6'	
Time	Temp.	pН	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or nD	Depth to Water (ft.)	
0851	11.83	6-64	626	10	1-68	105.8	600	4.45	
0854	11.85	6-63	624	7	1.58	91.6	900	4.45	
0857	11.90	6.63	627	5	1.53	86.4	1200	4.45	
0900	11.42	6.62	628	5	1.53	856	1500	4.45	
0903	11.93	6.61	630	6	1.52	84.Z	1800	4.45	
					<u> </u>				
		 	[
Did well	dewater?	l Yes	<u> </u>	<u>[</u>	Amount a	L	levacuated: /.g	1 3C	
Sampling			<u> </u>		Sampling		r lestu		
	n	6904			Laborato		<u>~1~~1~~</u> ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
Sample I			20616-18-			<u> </u>			
Analyzed		TPHG	BLEX MTI	BE THE			SEE COC		
Equipme	nt Blank I.	D.:	Time		Duplicate	e I.D.:			

		LUW P	TO AN AND	LL MUINI	IONINO	erra era s	73. E & 7 A & &		
Project #:	16020	4-LB	1	Client: AECOM Gauging Date: 2/4/16					
Sampler:	Ċŕ	2		Gauging D	ate: 2/	4/16			
Well I.D.:	· Mu	1-2		Well Diam	Well Diameter (in.): 2 3 4 6 8				
Total We	ll Depth (f		0.45	Depth to W	Depth to Water (ft.): 5.4]				
	Free Produ			Thickness	of Free Pre	oduct (fe	et):		
Reference		fvc)	Grade	Flow Cell	Туре:	VCI	556		
Purge Method: 2" Grundfos Pump Sampling Method: Dedicated Doing					Peristaltice New Tubing	ijinp	Bladder Pump Other		
Start Purge Time: 1253 Flow Rate:				100 m	clmin.		Pump Depth:	<u> </u>	
Temp.Cond.Time(mS/cm oµS/cm)µS/cm)				Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or nL))	Depth to Water (ft.)	
1259	11.05	6.01	109	35	12.57	41.6	600	5.45	
1302	11.18	5.99	113	25	12.46	38.9	900	5.45	
1305	11.24	5.98	112	\square	12.41	37.6	(200	5.45	
1308	(1.26	5.97	113	14	12.38	35.9	1500	5.45	
1311	11.15	5.95	115	4	12.40	33.8	1800		
							<u></u>		
Did well	dewater?	Yes ((No)	J	Amount a	actually e	evacuated: /	1.86	
Sampling Time: 1312					Sampling	; Date:	2/4/16		
}			20416-9-	mw-2	Laborato		1		
				BE TPHO	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Other:	Seo coc		
	nt Blank I.		@ Time		Duplicate	e I.D.:			

		LUWF			A CARALLO					
Project #:	160	204-LBI		Client:	AECOM					
Sampler:	LB			Gauging D	ate: 2/	4/16				
Well I.D.:	MW-3			Well Diam	Well Diameter (in.): 2 3 🔗 6 8					
Total We	ll Depth (fi	t.): 13	3.21	Depth to W	Depth to Water (ft.) : 6.21					
Depth to 1	Free Produ			Thickness	of Free Pr					
Reference		PXC	Grade	Flow Cell	Туре:у	5 <u>F 5F6</u>				
Purge Method:2" Grundfos PumpSampling Method:Dedicated Dedicated					Peristation Pump Bladder Pump New Tubing Other					
				100 ml	IVITIN		Pump Depth:	9'		
Time	Temp. (° Ø or °F)	pН	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or 🕡	Depth to Water (ft.)		
095	11.48	6.37	331	75	1.76	112.9	600	6.22		
0958	11.49	6-34	333	63	1.71	109.9	900	622		
1001	11.46	6.32	334	41	1.68	107.9	1200	6.22		
1004	11.49	6.31	335	40	1.67	KG2	1500	6.72		
1007	11.51	6.30	336	41	1.66	105.9	1800	622		
			· · · · · · · · · · · · · · · · · · ·							
Did well	dewater?	Yes	<u>1</u> 10	£	Amount a	actually e	vacuated: /	8L		
Sampling Time: 1608					Sampling	; Date:	2/4/16			
Sample I.D.: 6w-060493-02046				LR.MLCZ	Laborato	ry: .				
Analyzed for: TPDG ETEX M					Other SEE Coc					
	nt Blank I.		@ Time	*******	Duplicate		,,			

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		LOWF	LOW WE	LL MONI	IUKIIVO	LIALAC		i	
Project #:	1602	.04- L	.B/	Client: 🟒					
Sampler:	(P		Gauging D	Gauging Date: 2/4/16				
Well I.D.:	M	W-6		Well Diam	Well Diameter (in.): 2 3 (4) 6 8				
Total Wel	ll Depth (f	t.): 19	.30	Depth to W	Depth to Water (ft.): 9.92				
	Free Produ			Thickness	of Free Pr	oduct (fe	et):		
Reference	ed to:	RVQ	Grade	Flow Cell	Гуре:	YSFS	516		
Purge Method: 2" Grundfos Pump Sampling Method: Dedicated Tubility					Peristaltie	,	Bladder Pump Other_		
				100 pm (Imin		Pump Depth:/	2	
Time	Temp.	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)	
1122	12.11	6.72	~	15	11.54		600	10.05	
1125	12.40	6.72	270	9	11.27	20.2	900	10.05	
1128	1	6.72	264	8	11.22	20.3	1200	10.05	
		6.72	260	7	11.16	18.9	1500	10.05	
1134	12.52	6.72	260	8	11.18	19.7	1800	10.05	
							<u></u>		
		<u> </u>	<u> </u>				L	L	
Did well	dewater?	Yes (No		Amount	actually e	······	1.86	
Sampling	; Time:	1130	5		Sampling	g Date:	2/4/16		
Sample I.	.D.:6W-00	0493-0;	20416 A-	MW-6	Laborato	ry: 7	A		
Analyzed for: TPA-G BEEX M				BE TRAD		Other:	See Coc		
Equipme	nt Blank I	.D.:	@ Time		Duplicate	e I.D.:			

		LUW F.	LUW WE	LL WOIN	LORUNG	EVENDEN N	JEELIN A		
Project #:	1602	204-	CB1	Client: AECOM					
Sampler:	C.)		Gauging D	Gauging Date: 2/4/16				
Well I.D.	: M(iv-8		Well Diam	Well Diameter (in.): 2 3 (4) 6 8				
Total We	ll Depth (f		7.61	Depth to W	Depth to Water (ft.): 7.35				
1	Free Produ			Thickness	of Free Pr	oduct (fe	et):		
Reference		EVC)	Grade	Flow Cell	Туре:	YSFS	56		
Purge Method:2" Grundfos PumpSampling Method:Dedicated Tubing					PeristalticP New Tubing		Bladder Pump Other_		
Start Purge	Time: 120	21_	Flow Rate: _	(00 ml	Imin		Pump Depth:	<u>`0</u>	
Time	Temp. (Øor °F)	pН	Cond. (mS/cm or µS(cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or nL)	Depth to Water (ft.)	
	10.91	6.91	285	5	12.75	43.9	600	7.45	
	11.03	6.89	283	4	12.60	79.0	900	7.45	
1213	11.03	6.89	284	4	12.60	37.5	1200	7.45	
1216	11.06	6.89	284	5	12.58	37.2	1500	7.45	
1219	11.08	6.89	284	6	12.57	35.1	1800	7.45	
ļ					<u> </u>				
	1	h							
		<u> </u>							
Did well	dewater?	Yes	No)	1	Amount a	actually e	evacuated: U	1.8L	
Sampling	Time:	1220)		Sampling	, Date:	2/4/16		
Sample I.	.D.: <i>GW-06</i>	0493-02	0416-00-1	MW-8	Laborato	ry: 7	-A		
Analyzed for: TPADG BREX MI						Other:	See COC		
Equipme	nt Blank I.	D.:	@ Time		Duplicate	e I.D.:			

		LUWE	LUW WE		LONING	A. A. L. L. K. L.]	
Project #:	16020	24-17	31	Client: A					
Sampler:	0			Gauging D	Gauging Date: 2/4/16				
Well I.D.:	Mu	1-9		Well Diam	Well Diameter (in.): 2 3 4 6 8				
Total We	ll Depth (f).02	Depth to W	Depth to Water (ft.): 16.85				
	Free Produ			Thickness					
Reference		pvc)	Grade	Flow Cell					
Purge Method: 2" Grundfos Pump Sampling Method: Dedicated Tubing					Peristatic ump Bladder Pump				
Start Purge Time: 1040 Flow Rate:				100 MC	Imin		Pump Depth:	8,5	
Time	Temp. (Cor °F)	pН	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)	
1046	12.62	6.31	809	15	11.07	32.0	660	16.95	
	12.59	6.31	810	14	(1.10	37.5	900	16.95	
		6.30	806	13	11.09	42-1	1200	16.95	
1055	12-59	6.29	800	13	11.10	40.4	1500	16.95	
1058	12.57	1 .	793	11	11.11	40.4	1800	16.95	
		<u> </u>			1				
		1							
Did well dewater? Yes No					Amount	actually e	evacuated: /	.86	
Sampling Time: //00					Samplin	g Date:	2/4/16		
Sample I.D.: GW - 060493-020416 - 9				-mw-9	******	ory: 7			
				BE TPH-D	Other: Sec COC			<i><i>7C</i></i>	
	nt Blank I.		@ Time		Duplicat			*********	
լովահատ	are a statist to	و و محسد و	1 0110						

Duniant 4.				Client:	Access	**************************************		
Project #:	160201	<u>4-181</u>			AECOM	1 1.		
Sampler:	LB			Gauging D		14/16		
Well I.D.:	VP-1			Well Diam	eter (in.) :	2 3	6 8	
Total Wel	l Depth (f	t.):	4.2)	Depth to W	/ater (ft.)	5.0	> <u>}</u>	
Depth to I	Free Produ	ict:		Thickness	of Free Pr	oduct (fe	et):	
Reference	ed to:	P VG	Grade	Flow Cell	Туре: <u>у</u>	<u>65 535</u>		
Purge Metho Sampling M		2" Grundfe Dedicated			Peristaltic P New Tubing	Z	Bladder Pump Other_	
Start Purge	Time: 1219) 	Flow Rate:	100 m2/	MATTN		Pump Depth:	<u>8'</u>
Time	Temp. (Ø or °F)	pH	Cond. (mS/cm or µS/gm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mD	Depth to Water (ft.)
1224	/1.50	6.86	76	560	1.17	-182.7	600	5.03
1727	11.69	678	72	507	1.13	-184.0	900	5.03
1230	11.75	6.73	74	509	1.11	-185.4	1200	5.03
1233	11.76	6.72	75	508	1.10	-187.1	1500	5.03
1236	11.78	6.71	76	509	1.09	-188.6	1800	5.03
						-		
						L		
						<u> </u>		
Did well	l dewater?	L Yes	L TS	<u> </u>	Amount	actually e	vacuated:	81
Sampling	Time:	1237			Sampling	g Date:	z/4/6	
Sample I.	~)20416-LB	- VP-1	Laborato	ry: –	г <u>д</u>	
Analyzed		120-10 129H3G				<u></u>	SEE COL	
	nt Blank I.		@ Time		Duplicate			

Project #:	1602	04-LB1		Client:	AECOM			
Sampler:	LB		\$	Gauging D	ate: 2	14/16		
Well I.D.:	: VP-2			Well Diam			6 6 8	
Total We	ll Depth (f	t.): 12	3.68	Depth to W	Vater (ft.)	5.00)	
	Free Produ		<u> </u>	Thickness	of Free Pr	oduct (fe	et):	
Reference		PXG	Grade	Flow Cell	Гуре: У	5T 3TG		
Purge Metho Sampling M	od:	2" Grundfe Dedicated	<u> </u>	<u> </u>	Peristaltic P New Tubing	j	Bladder Pump Other_	
-	Time: 1240	1	Flow Rate:	100 ML	MEN		Pump Depth:	8'
Time	Temp. (°Ç or °F)	pН	Cond. (mS/cm or (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or 🛋	Depth to Water (ft.)
1254	11.98	6.25	230	84	1-23	-1034	600	5.02
1257	12.08	6.26	230	41	1.21	-108.8	900	5.02
1300	12.18	6-28	232	25	1. 19	-111.6	1200	5.02
1303	12.21	6.29	233	26	1.18	-112.4	1500	5.02
1306	12.22	631	234	25	1.17	113.9	1800	5.02
			·····					
[
				2. 1.2. 4	A			
		<u> </u>	<u> </u>		I			L
Did well	dewater?	Yes	NO.		Amount	actually e	evacuated: /.	36
Sampling	Time:	1307			Sampling	g Date:	2/4/16	
Sample I.	.D.: 6w	- 060493	- 0 Z0416- L	<u>-8-\$P.2</u>	Laborato	ry: 🤺	74	
Analyzed		TPHE	_			Other: 5	E COC	
Equipme	nt Blank I.	D.:	@ Time		Duplicate	e I.D.:		

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LOW FLOW WELL MONITORING DATA SHEET

		LOW L.						
Project #:	1602	04-181		Client: /	AECOM			
Sampler:	LB			Gauging Da	ate: Z	4/16		
Well I.D.:	VP-3			Well Diam	eter (in.) :	2 3	<u> 6</u> 8	
Total Wel	ll Depth (fi	t.): 1	336	Depth to W	ater (ft.)	4.81		
Depth to 1	Free Produ			Thickness of	of Free Pr	oduct (fe	et):	
Reference		PXC	Grade	Flow Cell 7	Гуре: У	SE SE		
Purge Metho Sampling M	od:	2" Grundfe Dedicated	•		Peristatije P New Tubing		Bladder Pump Other_	
	Time: <u> 13</u>	2	Flow Rate: _	100 mL/	MDJ		Pump Depth:	7.5'
Time	Temp. (Or °F)	pH	Cond. (mS/cm or µS/0m)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or nt)	Depth to Water (ft.)
1136	12.16	6.40	596	43	1.73	-113.2	600	4.81
11359	12.26	6-38	599	41	1.68	-114-6	900	4-81
1142	12.33	6.37	599	40	1.65	~116.9	1200	4.81
1145	12.35	636	598	39	1.64	-117.2	1500	4.81
1148	12.38	6.35	597	40	1.63	-118.4	1800	4.81
				16. ⁵⁵		ļ		
				ingen Lingen Lingen				
				₹2	~			
						1080 N. 45		
Did well	dewater?	Yes	ـــــــــــــــــــــــــــــــــــــ		Amount	l actually e	 evacuated:	ig 1.8L
Sampling	g Time:	1149			Sampling		2/4/16	
Sample I	D		3- 620416-	12.402	Laborato		<u></u>	
Analyzed		TPK-G	:	_	<u></u>	<u></u>	AC COC	
	nt Blank I.		@ Time		Duplicate		<u></u>	
Inderhand	TE TAIMIN T		1 1110		L			

Project #:	1607/	>4-LB1		Client:	AECOM			
Sampler:				Gauging D		4/16	y,~	
Well I.D.:					•	•	4 6 8	
								, , , , , , , , , , , , , , , , , , ,
Total We	ll Depth (f	(.): <u> </u>	3.56	Depth to V			**********	·····
	Free Produ			Thickness				
Reference	ed to:	PXG	Grade	Flow Cell		1 <u>51 556</u>		
Purge Metho Sampling M		2" Grundfe Dedicated	_ *		Peristaltic P New Tubing			
Start Purge	Time: <u>105</u>	2	Flow Rate: _	100 rol	MAN		Pump Depth:	<u> 7'</u>
Time	Temp. (?Gor °F)	pН	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or net)	Depth to Water (ft.)
1058	11.80	6-31	651	14	1.27	99.1	600	4.34
1101	[].9]	635	655	10	1.20	85-3	900	4.34
1104	11.93	637	660	11	1.19	80.9	1200	4.34
1107	11.96	638	659	10	<i> .18</i>	79.2	/500	434
1110	11.98	6.39	657	10	1.17	78.6	1800	4.34
			-					
								-
				<u> </u>				
	<u> </u>				<u> </u>			<u> </u>
Did well	dewater?	Yes	No		Amount	actually e	evacuated: .	81
Sampling	; Time:	411			Sampling	g Date:	2/4/16	
Sample I.	.D.: Gw-	060493	- 020416-4	B. VP-4	Laborato	ry: _	<u>1</u> 2	
Analyzed			BREX MTI			Other	Set Car	
Equipme	nt Blank I.	D.:	@ Time	, ¢	Duplicate	e I.D.:		

Project #:	16020	H-181		Client:	AECOM	****		
Sampler:	LB			Gauging D	Date: $2/1$	116		
Well I.D.	: VP.5			Well Diam	eter (in.) :	23	₫ 6 8	
Total We	ll Depth (f	t.): (6-59	Depth to W	Vater (ft.)	5.38		
Depth to 1	Free Produ			Thickness	of Free Pr	oduct (fe	et):	
Reference		PVO	Grade	Flow Cell	Type:	<i>YSI 58</i> 2	3	
Purge Metho Sampling M		2" Grundfe Dedicated	<u> </u>		Peristalt P New Tubing		Bladder Pump Other_	
	Time: 1016	5	Flow Rate:	100 mb/	MATEN		Pump Depth:	8'
Time	Temp. (Or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or min)	Depth to Water (ft.)
1022	11.74	6.41	234	18	1.83	89.8	∞∞	5.38
1025	11.82	6.41	236	lı	1.79	80.2	900	5.39
1028	11.86	6.40	235	9	1.73	79.2	1200	5.39
1031	11.89	6-40	234	B	1.72	78.6	1500	5.39
1034	11.92	639	232	9	1.71	77.6	1800	5-39
L								
		<u> </u>	L		L	l		
Did well	dewater?	Yes	NØ		Amount a	actually e	vacuated: 1.	81
Sampling	Time:	1035	•		Sampling	, Date:	2/4/16	
Sample I.	D.: Gw.	060493-	020416-LB.	NP-5	Laborator	ry: -17	1	
Analyzed		_	BUEX MIT			Other: s	ee coc	
Equipme	nt Blank I.	D.:	@ Time		Duplicate			

		LOW F	LOW WE	LL MONI	TORING	DATA S	HEET	
Project #:	1607	204-0			AECO			
Sampler:	C	P		Gauging D	ate: 2/	4/16		
Well I.D.:	VP	-6		Well Diam	eter (in.) :	2 3	<u>(4)</u> 6 8	
Total Wel	l Depth (f	t.): /3	3.71	Depth to W	/ater (ft.) :	5.5	30	
Depth to I				Thickness				
Reference		Ń	Grade	Flow Cell	Туре:	VSI	556	
Purge Metho Sampling M Start Purge		2" Grundfo Dedicated	Tubing	(00 m C	Peristaltie New Tubing	-	Bladder Pump Other_ Pump Depth:	
Time	Temp.	pН	Cond. (mS/cm or µS(cm)		D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL))	Depth to Water (ft.)
1335	10.94	6.33	185	10	12.68	35.2	660	5.49
1338	11.03	6.33	186	9	1	31.2	900	5.49
1341	11.06	6.33	186	10	12.59		1200	5-49
1344	11.11	6.33	187	8	12.48		1500	5.49
1347	11.16	6.33	189	8	12-53	28.1	1800	5.49
							<u></u>	
							· ·	
Did well	dewater?	Yes	No')		Amount	actually e	vacuated: /	· 8L
Sampling	; Time:	1348	~~~~		Sampling	, Date:	2/4/16	
Sample I.	.D.:6W-06	0493-02	20416-OP	-VP-6	Laborato	ry: 7	A	<u></u>
Analyzed		TICH-G		A		Other:	See coc	
Equipme	nt Blank I	.D.:	@ Time		Duplicate	e I.D.:		

.				Clicate	£	****		
Project #:	16020	4-1BI		Client:	AECOM			
Sampler:	LB			Gauging D	ate: 2/4	1/16		
Well I.D.:	: VP-7			Well Diam	eter (in.) :	2 3	<u> </u>	
Total We	ll Depth (f	t.): k	D.49	Depth to W	/ater (ft.)	5-53	****	
Depth to 1	Free Produ	ict:		Thickness	of Free Pr	oduct (fe	et):	
Reference	ed to:	PV9	Grade	Flow Cell	Туре:	YSI BE		
Purge Metho Sampling M		2" Grundfe Dedicated			Peristaltic P New Tubing	g	Bladder Pump Other_	
Start Purge	Time: <u>1317</u>		Flow Rate:	100 ML	NTEN		Pump Depth:	85'
Time	Temp. (Øor °F)	pН	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or 🕰 🕻	Depth to Water (ft.)
1323	11.74	6.37	88	65	0.80	-183.0	600	5.54
1326	11.77	630	4589	45	0.79	-198.3	960	5.54
1329	11.82	627	90	40	0.76	-190.4	1200	5.54
1332	11.83	626	91	স্থ	0.75	-191.Z	/500	5-54
1335	11.86	625	91	38	6.74	-1928	1800	5.54
			Ł	<u> </u>				-
			<u> </u>					
								······································
				<u> </u>		L		
	L	<u> </u>		<u> </u>				
Did well	dewater?	Yes	প্র		Amount	actually e	evacuated: /	86
Sampling	; Time:	1336			Sampling	g Date:	2/4/16	
Sample I	.D.: 6v	v. 06044	73 · 020416	- LB - VP.7	Laborato	ry: –7,	A	
Analyzed		TALE C		-		Qther: 5	a coc	*****
Equipme	nt Blank I.	D.:	@ Time		Duplicate	e I.D.:		

		2.1.7 ¥ ¥ £.					*****	
Project #:	16020	14-LBI		Client:	AECOM		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
Sampler:	LB			Gauging D	ate: 2/	4/16		
Well I.D.:	: VP-8			Well Diam	eter (in.) :	2 3	(4) 6 8	
Total We	ll Depth (f	t.): I	0.63	Depth to W	/ater (ft.)	4.81		
Depth to 1	Free Produ			Thickness	of Free Pr	oduct (fe	et):	
Reference		PVG	Grade	Flow Cell	Туре: <u>у</u>	5T 556		
Purge Metho Sampling M		2" Grundfe Dedicated			Peristaltic/P New Tubing	•	Bladder Pump Other_	
Start Purge	Time: 0919	3	Flow Rate: _	100 m L /	MEN		Pump Depth:	7.5'
Time	Temp. (° Ø or °F)	pН	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mLP	Depth to Water (ft.)
0924	11-08	6.37	GAH	33	1.66	32.1	600	4.82
0927	11.05	6.33	679	15	1.60	30.4	940	4.82
0930	11.03	6-31	672	H	1.58	29.5	1200	4 82
0933	11.00	6.29	671	13	1.56	28.4	1500	4.82
09360	11.01	6-28	664	12	1.55	27.1	/800	4.82
		<u> </u>						
		<u> </u>						
				-				
Did well	dewater?	l Yes	L 200	L	Amount	actually (ا evacuated: رج	1 8L
Sampling	Time:	6937		<u></u>	Sampling	g Date:	zlylia	
Sample I	т <u>.</u>				Laborato		fLf	
			<u>втех</u> мт.	_		<u> </u>		******
Analyzed		TRAFG	@@	BE TEHT	D		<u>Ser cor</u>	
[Equipme	nt Blank I.	.D.:	Time		Duplicate	e I.D.:		

AECOM	DATE: 2 /H/10	PAGE: of		Action Project Least transmission	ALCON OTHER ID		SEE ONLY			FIELD NUTES:	TEMPERATURE ON RECEIPT C'		Container FID Raadings or Laboratory Hotes												Three:			There	Version: 14Dec15
Provide Market		GSAP Projectiu		ALCONT ACCOUNTS	and the second state of th	renee, knechl@aecom.com			NON-UNIT COST				S Oxyganotes			X	×	×	× -	× .	× 1	X	~	× /	Date:	2/4/16	Unter	0265:	
Of Cus	(Bill To Contact Name:	PO #			210 NE 45th St., Seattle PHONE ION INVA	1776 Ath Back Ath the second second		L. BURES / C. PETERS	UNIT COST				X 310 85-44, WW AW - CST-BA, J 72 BBTh, 2C-BA, J BBTh, 2C-BA, J ABT 85-BA, J ABT 85-BA, J B940 TC-BA, J B940 TC-BA			X X X X X	× × ×	× × ×		X X X	XXX		x x x x x x x x x x x x x x x x x x x	× × × ×	× × ×				
Shell Oil	Piease Check Appropriate Box	CHEMICALS CONSULTANT CHEMICALS	Cransportation Differ	(ros cont)	BTSS		Rense Knecht	Instituciónent www. renee, kniecht@aecom.com	Tadars Eradias Carlours Carlours Needed	Washington Dept of Ecology	CLEVEL 3 CLEVEL 4 CDTHER (SPECIFY)	Cooler #2 Cooler #3	E-SHELL CONTRACT RATE APPLES DIVATE REMAURSEMENT INTE APPLES EDD NOT HEERED TRECETPT VERUFICATION REQUESTED TROVIDE LEFO DISK	SAMPLING	DATE TIME MATRIX DATE TIME HEL HHOJH2SO4 NOVE OTHER	24/12 OFOU WE X	1 BIZ WG X		135	1250	amund like we X 8	1 1237 W6 Y	5-VP2 857 W6 X 8	8-NP-3 1149 W6 1 8		Received by Gapatstrand	Received by (signature)	Received by (Bigroture)	
LAB (LOCATION)				SAMPLING COMPARTS	Blaine Tech Services, Inc.	Aconess 1680 Rogers Ave., San Jose, CA, 95112	PROJECT COMPACT (Nucleosy of PLYS Report 12):	TELEPHONE: 706-418-2371	LENDAR DAYS): CR DAYS	LECREMAT [2]UST AG	2 EVAL	TEMPERATURE ON RECEIPT C* Cooler #1	SPECIAL INSTRUCTIONS OR NOTES :		Field Sample Identification	CV. KANAZ AROCHULR-MAN	En. Crowda -Crowler - Co. Mv2	Chi-N-Mar. Miles	Em coorda - rocale - CP-MVG	EW. OLOAR3- Grouple-CP.MmB	Eur ocards-ozoule-o-mwg	E-1-06-0493-070416-48-VP-1	6N-060493-620416-48-7P2	6W-CEO493-CTO416-18-NP-3	EM-SICHT3-020416-LB-VR4	Restriction by (Signature)	Receptations by, (Stynaure)	Refrequished by (Squature)	

AECOM		DATE:	PAGE: Z at Z	AUTORS Devided 1 Teals Architer		A COR COM TO	1102	Lab USE ONLY			FIELD NOTES:	TEMPERATURE ON RECEIPT C		Container PID Readings or Laboratory Notes											Time	Tehas	Version: 14Dec/5
tody Record	Annala La Martin Alle		GSAP Project ID			Contraction approved while the second s	Irenee, knecht@aecom.com			NON-UNIT COST				20X7090XXO 2			~	~	~	~				2/4/16	Coates	Datti	
of Custod		Salaria Martina Salari Andria			State	PHONE NOT	206-438-2371		Retect	ESTED ANALYSI				X0-H41WN - WM			×	 	~				 				
Shell Oil Products US Chain Of Custody Record	Print Bill Fo. Contact Name:		* 04		site ADDRESS: Steed and City	ZTU NE 4010 OL, OUGUIG EDE DELVERABLE TO REPARE CONDERLY, ONES LONGIANE	Karatt AECOM Saatta WA	KURUE ALIFOLIA, ACACARI, SEALUS, ITA SAMKER MARED (Pad):	L. BURES/C. PER	/ REQUI				VWN AW - EST-BAJ 12 SETM 26-BAJ ABT 06-BAJ ABT 06-B					× ×								
II Oil Pro		Renee,Knech			SITE ADE			- anuax		D EKEND				K318 59 891	NG. OF	COMT.	į	8 x x	\times	*****				Ka ED			
She	Please Check Appropriate Box		CONSULTANT _URES	Сринея	LDG CODE:	IBISS IBISS			enea knecht@aec	D4 HOMS CREATS NEEDED ON WEEKEND		Drnter (Specify)	Cooler #3	Zhirli Contract rang Apples Tatate Reinburschent rate apples Edd won neede Lecept ventrication requested Provide ledd disk	PRESERVATIVE	MATRIX HELL HINDOT PERCA INDRE OTHER	×	~	<u>کا کا ا</u>	X				Received by (Segnature)	Ricelved by (Signature)	Received by (Signaturo)	والمتعادية والمرابقة المحادثة والمحادثة والمحادثة والمحادثة والمحادثة والمحادثة والمحادثة والمحادثة والمحادثة
		L BGW F1XG	Chemicals	D TRANSPORTATION				Renee Knecht	BOTA Contact Extent Contact		Wasturgton Dept of Ecology	Cleve 4 Comer	Caaler#2		SAMPLING	DATE TIME MA	741/2 1035 NG	1 1348	ESC	1, 095				L Rese	Race	2002	
(NO				Lab Vendor.# 1364589 (TestAmerica)		vices, Inc.	n Jose, CA, 95112		FM:	цемрак баук); Страус Ораус	JUST AGENCY:	CLEVEL 1 [CLEVEL 2 CLEVEL 3	Cooler #1	SPECIAL INSTRUCTIONS OR NOTES :		Field Sample Identification	Lu Kialma Konuli Baver	Children Contract - OZOUG-CP-VKG	GW-CCADOR- CZAD K-18-VP7	GM CONTRACTOR - Market	and the second			All to			يلايلان المحافظ والمحافظ
LAB (LOCATION)		Drectamenta /	Diner (A STATE AND COMPANY	Blaine Tech Services, Inc.	ADDREST: 1680 Rogers Ave., San Jose, CA, 95112	PROFEST CONTACT RUNCORY of POF Report to:	TELEPHONE: 206-438-2371	TURNAROUND TIME (CALENDAR DAYS):	LA - RWOOB REPORT FORMAT	DELIVERABLES, DE	TEMPERATURE ON RECEIPT C*	SPECIAL INSTRUK		Field S	-							Esterior and the Carateree	Realinguesteet by, (Signatura)	Resension by (Septature)	

					ພ	INVIRON	MENTAL	L WELL,	REMED	ATION	compo	UND, AN	D SITE (I	NSPEC	ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM	1	- age	5 	
INCIDENT #	91880622	2290									AL	ADDRESS	2	210	NC 4574	Śr			
DATE:	2 /4	H 10									ס	CITY & STATE		SEATTLE	RE WA				
						Observations U	tions Up	pon Arrival									CH0	Dhotne of	Ranair Data
Well (D	Manwa	Manway Cover, Type, Condition & Size	pe, Conc	ition & 1		Well Labeled / Painted Properly*		Well Cap (Gripper) Condition	828	MailLoc	Well Lock Condition		Well Pad / Surface Condition	<u> </u>	Detailed Explan	Detailed Explanation of Maintenance Recommended and Performed	的历史的原则	Condition	and FM Initiats
hhur-1	Standpipe	1	Ø	0.	Size (Inch)	0	z	6	 	0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	V N	0	<u></u> с	VAULT	SECURE BY WARDHE	> 	3	
MW-2	Standpipe	E B	5	<u>م</u>		Ð	z	ଶ	æ	ଚ	œ	y R	ତ	ä.	VALLET ,	SECURE BY NEDBIT	<u>></u>	ধ্য	
MW 3	Standplpe	9		a a	ļ	0	z	0	œ	୭	æ	رد N	Q	<u>م</u>	2/2 TABS	STREPED	>	Ø	
H-MW	Standpipe	Eless	0	ŝ	Size (Inch)	B	z	6	α	ত	œ	v ž	G	Ω.	2/2 TABS	۸,	~	Ð	
MW-5	Standpipe	<u>رکا</u>	5	G G	OS (peri)	ତ	z	ତ) ۳	0	œ	NI,	୭	۵.	2/3 TABS	s straped	~	ভ	
AW-6	Standpipe		Ø	æ 0.	CO and and a	Ø	z	Ś	я	6	æ	 ¥	୍ତ	à.			>	z	
L-WW	Standpipe		9	0 0.	size (inch) 12	Ð	z	େ	œ	6	£	NL.	6	¢.			~	z	
B-WW	Standpipe	Ð	3	0	Size (Inch)	ভ	z	9	œ	છ	œ	 ₹	ବ	đ	VAULT,	SECUPE BY NEIGHT	<u>۲</u>	Ð	
P-WW	Standpipe	(B)	Q	۶۶ ۵.	Size (Inch)	Ð	Z	6	В.	6	ĸ) M	()	a.	•		~	z	
l'-dh	Standpipe	(B)	6	α.	Size (Inch)	Q	z	ى	æ	୭	œ	, NL	ଚ	đ	VAVET	SECUDE BY WERENT	<u>م</u>	ų	
2-9V	Standpipe	fue)	6	¢7 G.	size (inch) 32	Q	×	Q	R	ଚ	 12	V N	3	a.	, אייבר, איינדר,	SECURE BY WOREH	~	T	
					TOTA	TOTAL # CAPS REPLACED =	S REPLA	CED =	0		- D	TOTAL #	TOTAL # OF LOCKS REPLACED	KS REP	LACED				
Condition c	Condition of Soli Boring Patches of Abandoned Monitoring Wells	atches of ng Wells	5	с.	Ś	H 61	If POOR, Ban	ntrigs/Well IDs or Location Description	Ds or Loc	titon Desi	céption					na serie de la constante de la La constante de la constante de	×	z	
Remediati	Remediation Compound Type (Check boxes that apply)	(yne y)	Conditio	Condition of Enclosure	9.mso	Conditio	Condition of Area Inside Enclosure	thside	Compo	Compound Security		Entergen	Emergency Contact Info Visible	t into	Cleaning / R	Cleaning / Repairs Recommended and Conducted		Photos of Condition	Ropalc Data and PM Initials
NA Bulding	Suite	~																	
Building w/ Fence Comp.	ence Comp.		с U	۵.	NIA	o	٥.	NIA	Ċ	<u>م</u>	N/A	~	z	NIA			*	z	
Fenced Compound Trailer	ompound ler																		
Number of Drums Drivette	A. CONTRACT	Does the Label Raveal the Source of the Contents	Ling and and a second	abeled Cr	Labeled Correctly and Writing Legible	d Writing	- G	um Condition	t series	Confirm Drums Related to Environmental	Orums d to nenter	Drums (Bushnee	Drums Located to Min Business interfacence	Min	Detailed	Detailed Explanation of Any Issues Resolved	a ö	Photos of Drum Condition	Date Druns Removed from Site and PM Initials
0	~	z	VIN	7	z	NIA	IJ	۵.	NIA	~	z		z	NIA			~	N	
G = Good (Acceptable) R = Replaced P ≈ Poor (needs altention) NL = No Lock Required Note: _Air reals often than locks and articens. rookin Shell PM approval prior to readir - s Growndwater mondoring well covers must be pained and labeled in accordance with applicable regulations. Version 2.4, March 2008	ceptable) is attention) other than locks nontoring well con	Rame and the second	ock Requ ck Requ require st linted and i	ired e <u>li PM ap</u> i sbeled in a	reval prior cordance w	to repair, th applicable	e tegulation:	s,							All environments locked, and secu EE Pint or type Nam	All environmental wells and the remediation compound were in good condition. fockod, and secured upon my departure (unless otherwise noted above). LEE BURES / BIS Print or type Name of Field Perseknol & Consultant Company	oound we therwise ompany	re in goo nofed ab	d condition, ove).

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of 1 Page____

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM

	ı					ENVIRO	NMENT	IL WELL	, REMEC	DIATION	COMPO	UND, AI	ND SI IE	INSPEC	2	5	
INCIDENT #	38/15	91880622									x	AUUKEDS		210 /	NE 45" ST		
DATE:	2/4	110									o	CITY & STATE	ATE	ŝ	SEMTLE, WO		
						Observations		Upon Arriva	1							o ester e	Dame Date
Wellit	Manwa	Manway Cover, Type, Condition & Size	(ype, Cor	rdition &	Size	Well Labeled Painted Property*	217 10 10 10 10 10 10 10	Well Cap (Gripper) Condition	a ling	Well Lo	Well Lock Condition	tion	Well Pad / Surface Condition		Decided Explanation of Maintenance Recommended and Performend	Val Val Condition	
NP.3	Standpipe	9	Q	¢.	Size (Inch)		z	ି	α	Ś	R	NL.	0	a.	YAND, SECURE BY WEEM	لعی ۲	
h-dN	Standpipe	-Gh	୭	٩	Size (Inch)	ତ	z	୭	œ	ତ	œ	Å.	ତ	a		0 ~	
۷۹-۵	Standpipe	9	0	a.	^{Slza (Inch)} 32	Ð	z	৩	œ	0	¥	NL (0	ū.		<u>ب</u> ۲	
NP-6	Standpipe	Filish	J	đ	Size (Inch)	Q	z	ତ	£	Ô	¥	, NL	Q	œ.		*	
VP-7	Standpipe	fush	୍ତ	۵.	Size (Inch) 37	\mathcal{C}	z	Ś	۲	ଡ	a:	ž	ତ	a)&) >	
VP-8	Standpipe	ч С Д	୭	a	Size (Inch) 32	Θ	z	୭	œ	ତ	0x	ź	୭	۵.		© >	
NP-9	Standpipe	Fresh	9	a.	Size (Inch)	છ	z	ତ	œ	છ	¢	NL	Ś	d	\rightarrow	*	
	Standpipe	Flush	U	٩	Size (Inch)	~	z	υ	œ	U	œ	¥	U	a.		₩ ≻	
	Standpipe	Flush	U	۵.	Sizs (Inch)	~	z	ø	œ	0	α	ž	υ	a.		× 	
	Standpipe	Flush	9	٥.	Size (inch)	*	z	ø	æ	0	<u>د</u>	¥	0	o.		N Y	
	Standpipe	Flush	o	đ	Size (Inch)	7	z	o	œ	o	œ	ž	o	٩		2 	
					T0T/	TOTAL # CAPS REPLACED	S REPL	\CED =	0		Ō	= TOTAL 1	TOTAL # OF LOCKS REPLACED	SKS REP	JACED		
Condition o Aband	Condition of Salt Boring Patches of Abandoned Monitoring Wells	atches of mg Wells	9	đ	Ś	IF PODR,		Borings Welt IOs or Location Description	l0s or Lok	tation Des	cription					и 	
Remediatio (Check ti	Remediation Compound Type (Check toxes that apply)	Type	Condit	Condition of Endosure	cioaure	Candit	Condition of Area inside Ericlosure	a Inside	Comp	Compound Security	Aun	Einergei	Emergency Centact Info Visibio	d Info	Cleasing (Repairs Recommended and Conducting	Photos of Condition	f Repair Date and
NA Building Building Wi Fence Comp.	ing ince Comp.	×	U	۵.	NIA	U	٩	NIA	G	ō.	MA	*	z	MA		22 >	
Fenced Compound Trailer	mpound er																
Number of Drums On site		Does the Label Reveat the Source of the Contents		Labeled	Labeled Correctly and Writin Legible	dutting	E	brum Condition	5	Confirm Drums Related to Environmental	Druns 8d to mentat	Druma	Drums Located to Min Businass Interference	o Min Unce	Detailed Explanation of Any leaves Resolved	Photos of Drum Condition	 Date Druns Removed from Site and Philade
0	>	z	NIA	>	z	Ň	U	Q.,	MIA	>	z	~~~	Z	NIA		~	×
G = Good (Acceptable) R = Reptaced P = Poor (needs attention) NL = No Lock Required Note: All repairs other than locks and grippers require Shell PM speroval pfor to repair. * « Consummer of the covers must be painted and labeled in accordance with application regulations.	eplable) s attention) <u>thar than locks</u> mitoring well cov	R = Replaced NL = NLock Required Alt artippers results Shell P vers must be painted and labels	aced Lock Req is reguire 5 painted and	uired <u>ibell PM al</u> labeled in	zeroval prior accordance v	<u>to repair.</u> vith applicati	ចំ ទទួមនៃបែ	ŚF						- tw	All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above). Let BXPAS / BSTS Print or twoe Name of Field Personnel & Consultant Controany	d were in t wise noted	aod condition, above).
VOTSION LA, MUNICI	40YD2														F 1111 UT AFRICA ATRICING OF A ANTAL 2 SECOND OF SAME AND A AND	- 	

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM

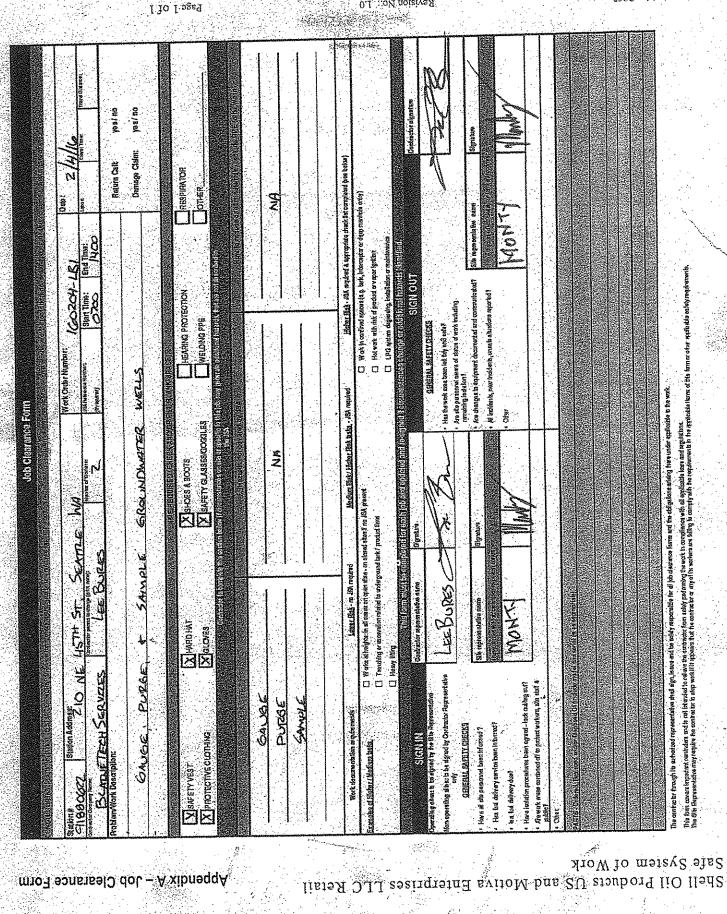
Page 2 of 2

1 16 g date 0 マ √ Ó N V n O ********* 0 N 5 GALS. N date BTS vehicle # time adjustments toaded onto WELL LD any other ND.CN h dN NP.K VP3 VP.B. 14cs * * * * * * time ÷ K-0204-1B s V 0 é Ó 0.51 0.1 S S S 0 V Ŏ Ś о Ņ 4.0 GALS. ******** RECEIVED AT TOTAL GALS. RECOVERED BTS event # unloaded by **BTS Kent** added equip. rinse water P. MW P.M. signature signature VP.Z WELL I.D. MX 2 Killing Villing MW-C KP.J

This Source Record BILL OF LADING was initiated to cover the recovery of Non-Hazardous Well thereof. The Non-Hazardous Well Purgewater is and remains the Purgewater from wells at the SHELL facility described below: haul the Non-Hazardous Well Purgewater that is drawn from wells facility indicated below and to deliver that Purgewater may be direct from one Shell facility to BTS; from one Shell facility to BTS via another Shell facility; or any combination purgewater to BTS. Transport routing of the Non-Hazardous Well is authorized by SHELL OIL COMPANY (SHELL) to recover, collect, apportion into loads, and RECOVERED FROM GROUND- WATER WELLS, IS MADE UP INTO LOADS OF APPROPRIATE SIZE TO BE THE STATE OF WASHINGTON OR OREGON. THE NON-TRANSPORTED & PROCESSED BY A SHELL APPROVED INC. 22727 72ND Ave South, Suite D - 102, Kent, WA 98032. FOR NON-HAZARDOUS PURGEWATER RECOVERED FRÔM GROUNDWATER WELL'S AT SHELL FACILITIES IN BEEN The contractor performing this work is BLAINE TECH SERVICES. BILL OF LADING state HAZARDOUS PURGE- WATER WHICH HAS 9 Perry Pineda Shell Engineer Serme Cit√ street name Blaine Tech Services, Inc. 51 51 RECORD 91880622 WASTE HAULER. property of SHELL NE at the SHELL street number INCIDENT # 0 SOURCE

SHELL BILL OF LADING

	1	lgate Safety Meet Hazard Mitigation	-	TGSM						
<u> </u>				Date:						
Site Add	ZIO NE 45TH ST. SE	1.4		2/4/160						
Charlel		ATTLE, WA		Yes N/A						
	with site representative completed?									
	elivery scheduled for today?									
•	ncy pump cut-off switch located?			Yes						
1	kit located and confirmed ready-to-us			Yes						
}	nguisher located and confirmed read	****		N Yes						
Eye was	h located and confirmed ready-to-use			N Yes						
	Emergency Services information lo			N Yes						
	Hospital map & route located and re			X Yes						
HASP	Special Hazard Notice section revie		· · · · · · · · · · · · · · · · · · ·							
	Site Status confirmed or amended,			X Yes						
	Emergency Response procedures			Yes						
	Compliance Roster signed by all we		herorda?	X Yes						
	k has been performed to locate wells a			X Yes						
	ety Analysis (JSA) for each task locat									
	ea Plans reviewed for suitability and e									
Incompany and the second s	ontrol Plans reviewed for suitability g			Ves N/A						
Stop Wo	Stop Work Authority reviewed and understood by all work crew members?									
idi	eport unaddressed hazards and adverse c entified or conditions change throughout th O NOT COMMENCE OR RESTART WOR	e workday.								
Time	Hazard or Adverse Condition	PM Initials	Hazard Control	Measure						
	······································									
Site repr	esentative briefed on planned work a	ctivities and Work Are	ea Plans?	Yes N/A						
Job Clea	rance Form completed?			Yes						
Pre-Star	t Call-In completed and approval to st	art work received from	n Project Manager?	Yes						
Printed N		Signature	21	Time						
	LEEDRES	SE	- Gr	0705						
	4	TGSM v6	And the second sec							



Revision No.: 1.0

mrof eonerselO doL – A xibneqqA

State Parts

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Date Issued: May 2007

WELL GAUGING DATA

Project # 160802.001 Date 8/2/16 Client AECOM Site 210 NE USE 57. Seattle WA

		Well		Depth to	Thickness of	Volume of Immiscibles		Depth to well	Sur Poi		
Well ID	Time	Size (in.)	Sheen / Odor	Immiscible Liquid (ft.)	Immiscible Liquid (ft.)	Removed (ml)	Depth to water (ft.)	bottom (ft.)	70		Notes
MW-1	0836	2					8.20	9.90			Ext
MW-Z	0809	4					8.40	16.45			545
MW-3	0819	4					10.35	13.30			
MW-4	0828	4					10.83	14.55			
MW-5	0804	ч	-				10.78				
MW-6		Un	able	to A	cees	- Per	client	(Traf	fre	<u> </u>	
MW-7	0824	ч					10.61	24.25		[
MW-8	0807	4					9.11	19.41		<u> </u>	Ert Sys
mw-9		2					19.88	19.98			
	0840	4					8.90	14.25			
	0847	Ч					8.59	13.61		ļ	
	0903	ч					8.01	13.40			
VP-4	0832	ч					8.80	(3.60			
VP-5	0816	ч					9.55	16.60			Ert Sys
VP-6	0850	ч					8.37	13.80			
VP-7	08/3	4					9.10	10.95			
VP-8	0907	4					9.55	10.68	1	/	Extrys

BLAINE TECH SERVICES, INC. SAN JOSE SACRAMENTO LOS ANGELES SAN DIEGO SEATTLE

www.blainetech.com

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2/2

WELL GAUGING DATA Project # 160802-081 Date 8/2/16 Client AECOM Site 210 NE 45th St. Seattle WA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	bottom (ft.)	Survey Point: TOB or POE	Notes
VP-9	0845	4					9.69	14.20		**
					1					
								<u></u>		
· · · · · · · · · · · · · · · · · · ·										
	1									
			<u> </u>							
	-									

BLAINE TECH SERVICES, INC. SAN JOSE SACRAMENTO LOS ANGELES SAN DIEGO SEATTLE www.blainetech.com

		LOW F	LOW WE	LL MON	ITORING	DATA	SHEET		
Project #:	: 1608	02-01	P (Client:	4 E COI	m			
Sampler:	CP			Gauging I	Date: 8/-	z/16			
Well I.D.	: MU	U-1	<u> </u>	Well Diam	Well Diameter (in.): 2 3 4 6 8				
Total We	ll Depth (f		.90	Depth to V	Depth to Water (ft.): 8.20				
	Free Produ			Thickness	of Free Pr	roduct (fe	et):		
Reference	ed to:	PVC	Grade	Flow Cell	Type:	ISI 1	Pro Plus		
Purge Metho Sampling M		2" Grundf Dedicated		,	Peristatic	•	Bladder Pump Other		
Start Purge	Time: 092	20	Flow Rate: _	100 mc/	min		Pump Depth:	9	
Time	Temp.	рН	Cond. (mS/cm or µ\$/cm	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)	
0926 1.6 5.03 701 11 1.98-452.8 600 8.27									
0929	17.6	4.95	694	12	1.62	-451.5	900	8.27	
0932	17.6	4.93	690	11	1.42	-454.4	1200	8.27	
0935	17.5	4.93	689	- 11	1.34	-455.3	1500	8.27	
0938	17.5	4,44	687	10	1.28	-456.1	1800	8.27	
							· · · · · · · · · · · · · · · · · · ·		
Did well c	lewater?	Yes (No		Amount a	ictually e	vacuated: /·	86	
Sampling	Time:	0939			Sampling	Date: E	3/2/16		
Sample I.I	D.6W-060	493-0802	16-Q-W	16-1	Laborator	y: T	-A		
Analyzed	for:	Ten-9		e Ten-D	······································	Other: ,	See Co	C	
Equipmen	t Blank I.I	D.:	@ Time		Duplicate	I.D.:			

		LOW F	'LÓW WE	LL MONI	TORINO	DATA	SHEET			
Project #:	: 1608	02-01	21	Client:	A E COI	m				
Sampler:) ·	b		Gauging Date: 8/2/16					
Well I.D.		1-2,	<u></u>	Well Diameter (in.) : 2 3 👍 6 8						
Total We	ll Depth (1	ft.): /6	1.45	Depth to V	Depth to Water (ft.): 8.40					
	Free Produ			Thickness of Free Product (feet):						
Reference	ed to:	PVC	Grade	Flow Cell	Type:	YSI 1	Pro Plys			
Purge Metho Sampling M Start Purge 7		2" Grundf Dedicated	Dibing	100 mc/	Peristatic New Tubin	g,	Bladder Pump Other_ Pump Depth:(
Time	Temp.	pH	Cond. (mS/cm or µS/cm	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)		
1254	18.3	6.95		12	0.30	-279.6	600	8.46		
1257										
1300	18.3	6.86	164	16	0.22	-296.1	1200	8.46		
1303	18.1	6.85	164	9	0.23	-293.9	1500	8.46		
1306	18-2	6.88	164	7	0.22	-290.1	1800	8.46		
Did well o	lewater?	Yes (N0		Amount a	actually e	vacuated: /·	86		
Sampling	Time:	1307	**		Sampling	Date: E	3/2/16			
Sample I.	D.6W-060	493-0802	16-Q-1	MW-2	Laborator	ry: T	A			
Analyzed	for:	TPH-	BE MTB	e Ten-D		Other:	See co	C		
Equipmen	t Blank I.	D.:	@ Time		Duplicate	· I.D.:				

		LOWF	LOW WE	CLL MONI	TORING	J DATA	SHEET			
Project #	: 1608	02-01	P/	Client:						
Sampler:	CB)		Gauging D	Date: 8/	2/16				
Well I.D.	: m	1.3		ł	Well Diameter (in.) : 2 3 🔗 6 8					
Total We	ll Depth (f		30	Depth to Water (ft.): 10.35						
	Free Produ			Thickness				<u></u>		
Reference		(PVC)	Grade	1			Pro Plus			
Purge Methors Sampling M	lethod:	2" Grundfi Dedicated	Tubing		Peristatic New Tubin	g _	Bladder Pump Other	· · · · · · · · · · · · · · · · · · ·		
Start Purge	Time: 040	42		100 mc/1	min		Pump Depth:	<u>-Z</u>		
Time	Temp.	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. op mL)	Depth to Water (ft.)		
0948	15.7	4.89	339	19	1.26	-220.1	600	10.40		
0951 15.7 4.90 342 17 1.12 -225.0 900 10.40										
0454 15.7 4.93 342 24 0.90 -234.5 1200 10.40										
0957	15.8	4.93	341	19	0.94	-241.9	1500	10.40		
1000	15.7	4.95	341	20	0.91	-245.1	1800	10.40		
. ·										
					· · · · · · · · · · · · · · · · · · ·					
Did well (dewater?	Yes (No		Amount	actually e	vacuated: /·	86		
Sampling		1001		***********************************		-	3/2/16			
		t.	16-Q- M	NW-3	Laborato		- <u>A</u>			
Analyzed	for:	TH-J	BE MTB	E TEH-D	- <u></u>	Other:	See Co	C		
Equipmer	nt Blank I.]	D.:	@ Time		Duplicate	e I.D.:				

Project #:	: 1608	302-0	201	Client:	AECom	~				
Sampler:	op			Gauging Date:						
Well I.D.	: M	W-6		Well Diam	Well Diameter (in.): 2 3 4 6 8					
Total We	ll Depth (i	ft.) :		Depth to V	Depth to Water (ft.) :					
Depth to	Free Prod	uct:		Thickness	Thickness of Free Product (feet):					
Reference	ed to:	PVC	Grade	Flow Cell	Type:					
Purge Metho Sampling M Start Purge	lethod:	2" Grundf Dedicated	-		Peristaltic Pump Bladder Pump New Tubing Other Pump Depth:					
Time	Temp. (°C or °F)	рН	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)		
		No † Sam	plu	horiz	el hout n tro	to q	wage or	-		
		+ <i>vo</i> 1	FFic Per C	con Lien	$\frac{1}{t}$	· <u> </u>				
		NO	Samp	<u>)12</u> 1	aked	1-				
Did well d	lewater?	Yes	I No		Amount a	l ctually e	vacuated:			
Sampling	Time:				Sampling	Date:				
Sample I.I	D.:	/			Laborator	y:				
Analyzed	for:	TPH-G	BTEX MTB							
Equipmen	t Blank I.I	D.:	@ Time	/	Duplicate	I.D.:	********			

		LOW F	LOW WE	LL MON	TORING	DATA	SHEET			
Project #	: 1608	02-01	P (Client:	A E CON	m				
Sampler:	<u> </u>		·····	Gauging I	Gauging Date: 8/2/16					
Well I.D.	: MU	1-8			Well Diameter (in.): 2 3 🙆 6 8					
Total We	ll Depth (1	ft.): ('	9.4(Depth to V	Depth to Water (ft.): 9.11					
Depth to	Free Prod	uct:		Thickness	of Free Pi	roduct (fe	et):			
Reference	ed to:	PVC	Grade	Flow Cell	Type:	ISI 1	Dro Plus			
Purge Meth Sampling M Start Purge		2" Grundf Dedicated	Jubing	100 mc/	Peristatic	g .	Bladder Pump Other_ Pump Depth:			
Time	Temp. Oor °F)	pH	Cond. (mS/cm or µ\$/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)		
1026	17.8	5.06	246	15	0.74	219.4	600	9.16		
1029										
1032	1032 17.9 5.07 244 12 0.49 -246.9 1200 9.16									
1035	17.8	5.08	243	12	0.50	-246.0	1500	9.16		
1038	17.9	5.10	244	11	0.47	-246.8	1800	9.16		
					•		-			
Did well o	dewater?	Yes (Ño)		Amount a	ictually e	vacuated: /·	86		
Sampling	Time:	1039	7	······································	Sampling	Date: E	3/2/16			
Sample I.	D. <i>Gw-0</i> 60	493-0802	16-A-M	IW-8	Laborator	y: T	A			
Analyzed	for:	TZH-)	BRE) MTB	e TCH-D		Other:	See co	C		
Equipmen	t Blank I.I	D.:	@ Time		Duplicate	I.D.:				

		LOW I	LOW WE	ELL MON	ITORING	G DATA	SHEET				
Project #:	: 160	802-	q1	Client:	AECO	m					
Sampler:	А	0		Gauging I							
Well I.D.	: MI	N.9		Well Dian	Well Diameter (in.): 2 3 4 6 8						
Total We	ll Depth (ft.): 19	.98	Depth to V	Depth to Water (ft.) : 19.88						
Depth to	Free Prod	uct:		Thickness	Thickness of Free Product (feet):						
Reference	ed to:	evo)	Grade	Flow Cell	Type:						
Purge Metho Sampling M Start Purge	lethod:	2" Grundf Dedicated			Peristaltic I New Tubin	/ ·	Bladder Pump Other Pump Depth:	- And a second s			
Time	Temp. (°C or °F)	рН	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)			
		-In to	cuf F. Purqe	icien	t Samp	upte ple -					
	~~~~	- 10	o sai	nple	FO	ik <i>e</i> q	(				
Did well d	lewater?	Yes	No		Amount a	ictually e	vacuated:				
Sampling	Time:		And the second s		Sampling	Date:					
Sample I.I	ample I.D.: Laboratory:										
Analyzed	for:	Трн-с	BTEX MTB	E TPH-D	<b>J</b>	Other:					
Equipmen	t Blank 1.	D.:	@ Time		Duplicate	I.D.:					

		LOW F	'LOW WE	LL MONI	TORING	DATA	SHEET			
Project #:	1608	02-01	21	Client:	1 E COI	m				
Sampler:	10				Gauging Date: 8/2/16					
Well I.D.	: VP-	· f	<u> </u>		Well Diameter (in.): 2 3 (4) 6 8					
Total We	ll Depth (f		.25	Depth to W	Depth to Water (ft.): 8.90					
	Free Produ			Thickness						
Reference	ed to:	PVC	Grade	Flow Cell	Type:	ISI 9	Dro Plus			
Purge Metho Sampling M	lethod:	2" Grundfi Dedicated	Jubing	100 mc/1	New Tubin	g,	Bladder Pump Other_ Pump Depth:			
Start Purge	Time: //2	<u> </u>		100 mc/1	<u>MIN</u>	 T	Fullip Depui.	1		
Time	Temp. (Cor °F)	pН	Cond. (mS/cm or µ\$/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)		
1126 18-3 6.62 196 20 1.57 -171.4 600 8.97										
1129 18.2 6.58 150 17 1.62-174.6 900 8.97										
1132										
1135	18.2	6.59	141	12	1.55	-173.7	1500	8-99		
1138	18:2	6.60	140	10	1.54	-172.6	1800	9.01		
		· · · ·								
Did well dewater? Yes (No) Amount actually evacuated: 1.84										
Sampling	Sampling Time: 1139 Sampling Date: 8/2/16									
Sample I.	ample I.D. Gu-060493-080216-Q-VD-1 Laboratory: TA									
Analyzed	for:	тен-д	BE MTE	E THE		Other:	See CO	C		
Equipmer	nt Blank I.I	D.:	@ Time		Duplicate	: I.D.:				

		LOW F	LOW WE	LL MON	TORING	<b>JATA</b>	SHEET			
Project #	: 1608	02-01	P (	Client:	1 E COI	m				
Sampler:	00			Gauging I	Date: 8/-	z/16				
Well I.D.	: VP.	-2			Well Diameter (in.): 2 3 (4) 6 8					
Total We	ll Depth (1	ft.): /*	3.61	Depth to Water (ft.): 8.59						
Depth to	Free Prod	uct:		Thickness	of Free Pi	roduct (fe	et):			
Reference	ed to:	PVC	Grade	Flow Cell	Type:	ISI 1	Pro Plus			
Purge Metho Sampling M	lethod:	2" Grundf Dedicated	Jubing		Peristatic	g	Bladder Pump Other			
Start Purge	Time: <u>115</u>			100 mc/	min		Pump Depth:			
Time	Temp. For °F)	pН	Cond. (mS/cm or µS/cm	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)		
1156	18.1	6.75	530	19	0.26	-276.1	600	8.63		
1159										
1202	18.1	6.76	530	15	0.19	-320.1	1200	8.63		
1205	18.1	6.79	530	13	0.20	-324.2	1500	8.63		
1208	18.1	6.81	531	10	0.19	-329.7	1800	8-63		
								•		
Did well o	lewater?	Yes (	No		Amount a	ctually e	vacuated: /·	86		
Sampling	Time:	1200	9		Sampling	Date: E	3/2/16			
Sample I.	D.GW-060	493-0802	16-Q- U	1P-2	Laborator	y: T	-A			
Analyzed	for:	тен-о	BEEN MTB	e Tetted		Other:	See Co	c		
Equipmen	t Blank I.I	D.:	@ Time	*****	Duplicate	I.D.: .				

		LOW F	LOW WE	LL MONI	TORING	DATA	SHEET					
Project #:	1608	02-01	21	Client:	A E CON	n						
Sampler:	00			Gauging D	Date: 8/-	z/16						
Well I.D.	: P	-3.		Well Diam	neter (in.)	: 2 3	Ø 6 8	3				
Total We	ll Depth (f	·····	5.40	Depth to V	Vater (ft.)	: 8.4	»/					
	Free Produ			Thickness	of Free Pr	oduct (fe	et):					
Reference		PVC	Grade	Flow Cell			Pro Plus					
Purge Metho Sampling M Start Purge 7		2" Grundf Dedicated	Dubing	100 mc/	Peristatic New Tubing	3	Bladder Pump Other_ Pump Depth:					
Time	Temp.	рН	Cond. (mS/cm or µ\$/cm	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)				
1218	17.0	6.85	860	) (	0.21	-289.6	600	8.64				
1221	17.0	6.86	867	14	0.20	-311.7	900	8.64				
1224	17.1	6.88	878	13	0.15	- 320.1	1200	8.64				
1227 17.0 6.86 882 12 0.16 325.7 1500 8.64												
1230												
					*							
Did well o	lewater?	Yes (	No		Amount a	ctually e	vacuated: /·	82				
Sampling	Time: /	231			Sampling	Date: 8	3/2/16					
Sample I.	D. <b>GW-060</b>	493-0802	.16-Q-V	P-3	Laborator	<u>у:</u> Т	A					
Analyzed	for:	TPH-	BE MTB	E TH-D		Other:	See CO	C				
Equipmen	t Blank I.	D.:	@ Time		Duplicate	I.D.:						

	·	LOW F	LOW WE	LL MON	ITORING	G DATA	SHEET	
Project #	: 1608	102-0.	P/	Client:	$4 \in co$	m		
Sampler:	CP	<b>)</b> ·		Gauging I	Date: 8/	2/16		
Well I.D.	: VP.	-4		Well Dian	neter (in.)	: 2 3	A 6 8	3
Total We	ll Depth (i	ft.): <b>13</b>	. 60	Depth to V	Water (ft.)	: 8.8	30	
Depth to	Free Prod	uct:		Thickness	of Free P	roduct (fe	et):	
Reference	ed to:	PVC	Grade	Flow Cell	Type:	YSI 1	Pro Plus	
Purge Meth Sampling M Start Purge		2" Grundf Dedicated	Tubing	100 mc/	Peristatic New Tubin mih	g		
Time	Temp.	рН	Cond. (mS/cm or µS/cm	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0757	16.9	6.59	465	18	0.45	-284.2	600	8.84
0800	16.9	6.62	464	13	0.43	-2,98.0	900	8.84
0803	17.0	6.60	464	11	0.47	- 290.8	12.00	8.84
0806	16.9	6.70	459	10	0.49	-291.5	1500	8-84
0809	17.0	6.73	457	7	0.46	-292.1	1800	8-84
Did well (	dewater?	Yes (	No)		Amount a		vacuated: /.	86
Sampling	Time:	0810			Sampling	;Date: E	3/3/16	
Sample I.	D.6W-060	493-0803	16-Q-V	P-4	Laborator	ry: T	A	
Analyzed	for:	Ten-9	BEE MTB	E TH-D		Other:	See co	C
Equipmen	nt Blank I.I	D.:	@ Time		Duplicate	I.D.:		

		LOW F	LOW WE	LL MON	TORING	<b>DATA</b>	SHEET	
Project #:	1608	0Z-C1	21	Client:	A E CO	m		
Sampler:	CP	· ·		Gauging I	Date: 8/-	z/16		
Well I.D.	: VP-	5		Well Dian	neter (in.)	: 2 3	(4) 6 8	3
Total We	ll Depth (f	ît.): <b>/4</b>	,.60	Depth to V	Vater (ft.)	: 9.	55	
Depth to I	Free Produ	uct:		Thickness	of Free Pr	roduct (fe	et):	
Reference	ed to:	PVC	Grade	Flow Cell	Type:	YSI 1	Pro Plus	
Purge Metho Sampling M Start Purge		2" Grundfi Dedicated	Dibing	100 mc/	Peristatic New Tubin Mih	g ,	Bladder Pump Other_ Pump Depth:	
Time	Temp.	рН	Cond. (mS/cm or µ\$/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
6830	16.3	6.63	213	11	2.09	-171.5	600	9.59
0833	16.3	6.58	216	ġ	2.01	-166.3	900	9.59
0836	16.4	6.61	216	9	1.96	-164.4	1200	9.60
0839	16.2	6.57	218	2.01	-155.0	1500	Q.60	
0842	1800	9.61						
			· · · · · · · · · · · · · · · · · · ·					
							*	
Did well o	dewater?	Yes (	Ño		Amount a	l l actually e	vacuated: /·	86
Sampling	Time:	0843			Sampling	;Date: 8	3/3/16	
Sample I.	D. <b>GW-060</b>	493-0803	16-Q-V	P-5	Laborato	ry: T	-A	
Analyzed	for:	TPH-)	B(E) MTB	BE THE		Other:	See co	C
Equipmen	it Blank I.]	D.:	@ Time		Duplicate	I.D.:		

		LOW F	LOW WE	LL MON	TORING	G DATA	SHEET	
Project #:	1608	02-01	?/	Client:	A E CO	m		
Sampler:	QB			Gauging I	Date: 8/-	z/16		· · · · · · · · · · · · · · · · · · ·
Well I.D.	: 1P-	-6		Well Dian			4 6 8	3
Total We	ll Depth (f	ft.): <b>/3</b>	.80	Depth to V	Vater (ft.)	: 8.	37	
	Free Produ			Thickness	of Free P	roduct (fe	et):	
Reference		(PVC)	Grade	Flow Cell			Pro Plus	
Purge Metho Sampling M Start Purge		2" Grundf Dedicated	Tubing	100 mc/.	Peristatić New Tubin Mih	g .	Bladder Pump Other_ Pump Depth:	. 1
Time	Temp.	pH	Cond. (mS/cm or µ\$/cm	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1324	19.4	6.89	222	10	0.21	-304.1	600	8-41
1327	19.6	6.82	222	9	0.16	-330-8	900	8.41
1330	19.6	6.80	223	j0	0.15	-336.7	1200	8.41
1333	19.6	6.88	222	10	0.13	-338.Y	1500	8.41
1336	19.5	6.86	222	9	0.13	-340.5	1800	8.41
					· · · · · · · · · · · · · · · · · · ·			
Did well a	dewater?	Yes (	No	·····			vacuated: /·	86
Sampling	Time: /	337			Sampling	g Date:	3/2/16	
Sample I.	D. <b>GW-060</b>	493-0802	16-Q-V	1P-6	Laborato	ry: 7	A	
Analyzed	for:	тен-д	B(E) MTE	E TH-D		Other:	See CO	с
Equipmer	nt Blank I.	D.:	@ Time		Duplicate	e I.D.:		

		LOW F	LOW WE	LL MON	TORING	G DATA	SHEET	
Project #:	1608	0Z-C1	? (	Client:	A E CO	n		
Sampler:	CP			Gauging D	Date: 8/-	z/16		
Well I.D.	· VP·	-7		Well Diam	neter (in.)	: 2 3	(4) 6 €	<u>}</u>
Total We	ll Depth (f	t.): /0	.95	Depth to V	Vater (ft.)	: 9.	10	
Depth to	Free Produ	uct:		Thickness	of Free P	roduct (fe	et):	
Reference	ed to:	(PVC)	Grade	Flow Cell	Type:	YSI 7	Pro Plus	
Purge Metho Sampling M		2" Grundf Dedicated	Dubing	100 mc/	Peristatic	g	Bladder Pump Other_ Pump Depth:/	<u></u>
	· ·	<u> </u>	Cond.	<u>,</u>	1			
Time	Temp.	pН	(mS/cm or µ\$/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Rémoved (gals. or mL)	Depth to Water (ft.)
0726		6.70		92	1.09	-197.6	600	9.29
0729	17.0	6.57	545	35	0.56	-259.1	900	9.29
0732	17.1	6.53	549	23	0.38	-285.2	1200	9.29
0735	17.1	6.54	551	20	0.37	-288.0	1500	9.29
0738	17.0	6.56	552	17	0.35	-291.3	1800	9.29
							<u> </u>	
							·····	
Did well	dewater?	Yes (	No		Amount	actually e	vacuated: 1.	86
Sampling	Time:	0739			Sampling	g Date:	3/3/16	
Sample I.	D. <b>GW-060</b>	493-0803	46-A-V	'P-7	Laborato	ry: T	-A	
Analyzed	for:	тен-Э	BEEN MIE	e TH-D		Other:	See CO	C
Equipmer	nt Blank I.	D.:	@ Time		Duplicate	• I.D.:		

:		LOW F	LOW WE	ELL MON	TORING	<b>JATA</b>	SHEET					
Project #:	1608	02-01	е (	Client:	4 E CO	m						
Sampler:				Gauging I	Date: 8/	z/16						
Well I.D.	: VP	-8		Well Dian			(4) 6 8	3				
Total We	ll Depth (f		-68	Depth to V	Vater (ft.)	: 9.9	55					
Depth to	Free Produ	uct:		Thickness	of Free P	roduct (fe	et):					
Reference		PVC	Grade	Flow Cell	Type:	YSI 1	Dro Plus					
Purge Metho Sampling M Start Purge		2" Grundf Dedicated	Dubing	100 mc/	Peristatic New Tubin Mih	g	Bladder Pump Other_ Pump Depth:					
Time	Temp.	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)				
0906	17.3	6.72	11(1	14	0.21	-2962	600	9.55				
0909	17.1	6.73	1114	10	0.18	-307.1	900	9.55				
OAR	17.0	6.76	1119	7	0.19	-313.7	1200	9.55				
0915 17.0 6.77 1119 5 0.17 -315.5 1500 9.55												
0918 17.1 6.77 1120 5 0.16 -316.0 1800 9.55												
Did well o	lewater?	Yes (	No		Amount a		vacuated: /·	8८				
Sampling	Time:	<u>0919</u>		• • • • • • • • • • • • • • • • • • •	Sampling	Date: E	3/3/16					
Sample I.	D.6W-060	493-0803	16-Q-V	P-8	Laborator	ry: T	-A					
Analyzed	for:	Ten-)	BUE MTB	E THE		Other:	See Co	۲				
Equipmen	t Blank I.I	D.:	@ Time		Duplicate	I.D.:						

A≣COM	Check IF NO INCIDENT # APPLIES	DATE: B/J/IL		PAGE: / of f	AEGON Project / Lask Nuchber:	60482000	AECOK ODAK ID	0001 1440 1446 1440 1440 1440 1440 1440 1440			FIELD NOTES:		TEMPERATURE ON RECEIPT C.	Container PID Readings													Tunes	Trans:	The	Version: 14Dec15
ustody Record	PlaNet Site or Project ID		GSAP Project ID		Shie Providence AEGOM	WA	E-HAAIL;	206-438-2371 renee knecht@aacom.com		ANALYSIS NON-LINIT COST				. Oxygenatos								×				×	B/3/16	Date:	Dirte	
Shell Oil Products US Chain Of Custody Record	Print BIR To Contact Name:	statistics of the second se	# 04		SITE ADDRESS: Street and City	210 NE 45th St., Seattle		Renee Knecht, AECOM, Seattle, WA 206-43	Chaig Yeter	REQUESTED ANALYSIS UNIT COST				мене втех мене втех мене теме мене теме теме мене теме теме теме теме теме теме теме тем			X		X X X				X		×	X X X	1 Pad Ex			
Shell Oil	propriate B			ð	Log cobe:	BTSS	9	<u> </u>	tevei Einee kriecht@aecom.com	CARLES NEEDED		DTHER (SPECIPY)	Cooler #3	Zhell contract rate applies Litate reinbuschigt rate applies Liddo wot needed Lrouts leod disk	PRESERVATIVE NO. OF	HCL HNO3 HOSON NONE OTHER	0	w6 x 1 1	w0 (x   6	W6 K 6	W6 × 6	WO X 6	WG K 6	W6 x C	106 K 6	2	Recorded & (Signature)	Received by (Skynecital)	Received by: (Ssprature)	
LAB (LOCATION)		LEW FOG		Lab Vendor # 1384599 (TestAmerca)	iamplug company:	Blaine Tech Services, Inc.	Autorese. 1680 Rogers Ave., San Jose, CA, 95112	PROJECT CONTACT (Harbooy or PDF Report to): Rether Knocht		TURNAROUND TIME (CALENDAR DAYS): CEPTANOMORD (14 DAY)  CE DAYS CPTANOMORD (14 DAY)	CIA - RWQCB REPORT FORMAT [JUST AGENCY: Washington Dept of Ecology	DELIVERABLES: LLEVELI []LEVELZ []LEVEL3 []LEVEL4 []DI	TEMPERATURE ON RECEIPT C* Cooler #1 Cooler #2	SPECIAL INSTRUCTIONS OR NOTES :	1.48 Field Sample Identification		64-00493-0802K-CP-14W-1 44-14 0939	SW -060493-080216-CP-MW-2 1 1307	KW-060493-580216-CP-MW-3 1001	6W.060495-080216-9-140-8 1039	PEN-000 493-080210-00-10-1 1139	6021 2-d A - b- 97 208 2 60h 000 120	EW 060 495-080216 - 05-7 \$ 1231	0/80 m/26 5-dr-do-12020-501000-pro	500-000495-080316-01-7P-5 1 0843	193080216-04-17-00 8/2/10 1337	Resinguished by Elementary All Contraction of All Contraction of All Contraction of All Contraction of All Contractions of All	Resonants of (Sugardia)	Refequence by (Signature)	

AECOM	CHECK IF NO INCIDENT # APPLIES		PAGE: 2 of 2		. AECOM Project / Task Number	AECOM CONTIN		LAB LOSE ONLY		FIELD NOTES:		TEMPERATURE ON RECEIPT C.	Container PJD Readings	or Laboratory Notes									Time:	Tithek	Tene.	Version: 14Doc15
dy Record	PlaNet Site or Project ID		GSAP Project ID		A COMPANY AND	E-MART	renee.knecht@aecom.com	<u> </u>	SIS				Qxygorates	20									B/3/16		Date:	
of cus	t Name:	Rence Knech	# OQ		SITE ADDRESS: Street and City State 210 NF 45th St Seattle	EDF DELINEIKETO Niana, Contrasty, Oticis Laration); PHONE NO.	Renee Knecht, AECOM, Seattle, WA 206-438-2371	Craig Peter	REQUESTED ANALYSIS				Mawa w. (ci. 24.) Bern Sc.24. Ast 8c.24. Ast 8c.26. Ast 8c.26. Ast 8c.26. Bern 1 8c.26. Bern 1 8c.26. Bern 2 8c.24. Bern 2 8c.24. Co.77. Ast 9 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7			XXX							Fel AC			
								contai F. Mut. Refiees, Kritechi (20 aecom com		Los Ecology	L DTHER (SPECIFY)	Cooler #3			MATRIX PRESERVATIVE NO. OF MATRIX AATHINE NO. OF MATRIX	K K K	9 WE K 6 X	ļ	12 me x 3 x				Received by (Bynning)	Received by (Supracear)	Received by (Bignature)	
LAB (LOCATION)	(			Lab Vendor # 1384569 (Teatumerca)   U HawshORIALON	Blaine Tech Services Inc	ADRESS 1680 Roners Ave. San. Jose. CA. 95112		челемон: телемон: 206-438-2371 гис	TURNAROUND TIME (CALENDAR DAYS): Obtaniardd 14 dayn - E days - E days - E days	JUST AGENCY: Washing	DELINERABLES: []EVEL 1 []EVEL 2 []EVEL 4	TEMPERATURE ON RECEIPT C* Cooler #1 Cooler #2	SPECIAL INSTRUCTIONS OR NOTES :		Field Sample Identification	60-00042-080310-06-06-0 D-7 BMK 6739	\$00-000493-080316-2P- VP- 8 1 pg19	ShLo 1. 942	12-2-2 BUILD 22-2				Reinquicities by AMM (P &	Redinguished by (Signaly 4, 1 )	Relinquished by (Signature)	

INCIDENT #	916	91880622	.7 Q	N	<del>ل</del> ن	ENVIRO	MENTA	L WELL,	REMED	IATION	COMPO Al	OUND, AN		NSPECTIC 2.6	NE UST ST Page /	5	2
DATE:	80	2	116								101	CITY & STATE	ATE		Soctle WA		
						Observation		Upon Arrival						H	Note Repairs Made Photos of	3 of	Repair Date
Quino	Manwa	Manway Cover, Type, Condition & Size	lype, Cor	dition &	Size	Weil Labeled Painted Property	palacity to	Vell Cap (Gripper) Condition	d (3 5	Well Lo	Well Lock Condition	nôn	Well Pady Surface Condition		Detailed Explanation of Maintenance Recommended Well and Performed Condition	- F	Md bre steitin
Mu - I	Standpipe	Ð	୭	a	Siza (inch)	ত	z	ତ		୭	œ	y z	6	<u>с</u> ,	Vault 1	ହ	
mw-2	Standpipe	E C	٩	۵.	Shan (Inch)	$\mathcal{B}$	z	୍ତ	æ	0	æ	N	0	۹.	×	2	
MW-3	Standpipe	Ś	ŋ	Ð	Size (inch)	Ø	z	Ø	ĸ	9	æ	Nr Nr	Q	d d	2/2 Tabr Stripped 1 0	€	
p-WW	Standpipe	କ୍ର	U	Ø	Size (inch)	0	z	େ	æ	Ø	æ	) F	ଚ	۹.	Y Ord.	0	
S-MW	Standpipe	Ś	ø	0	Size (Inch)	0	z	Ì	8	Ø	¥		0	a.	Stur part .	Ø	
MW-6	Standpipe	Ś	Q	٥.	Size (Inch)	$\mathfrak{S}$	z	Q	œ	B	æ	ź	0	<u>a</u> .	9 1	G	
NW 7	Standpipe	(L)	6	٩	2 (Inch)	ন্থ	z	I	œ	Ø	æ	ľ	Ø	٩	~	$\odot$	
mw-8-	Standpipe	Þ	0	a	3 [Inch)	Ø	z	٢	œ	Ø	æ	¥	Q	<u>a</u> .	vault ×	€	
MW-9	Standpipe	\$	ଡ଼	a.	Size (Inch)	ð	z	-13	œ	Ø	٣	רי ד	Ì	۰.	<b>9</b>	0	
1-21	Standpipe	¢	୭	۵.	star (Inch)	\$	z	Ø	œ	Ø	œ	뉟	Ø	<u>a</u> .	vau 17 4	0	
VP-2	Standpipe	Ð.	O	a.	Size (Inch)	Q	z	Ş	æ	3	R	۲. ۲	Ø	م	۲ <b>+</b> ۲	Q	
					101.	AL # CAF	TOTAL # CAPS REPLACED	\CED =				1 TOTAL	= TOTAL # OF LOCKS REPLACED	KS REP	LACED		
Condition 6 Aban	Condition of Soil Boring Paiches o Abandoned Monitoring Viells	Patches o. ring Wells	Q	٩.	NIA	G	II POOR, Bor	BoringsWell IDs of Localian Description	DS or Loc	Ation Das	cription					z	
Remediativ (Check i	Remediation Compound Type (Check boxes that apply)	i Type ply)	Cond	Condition of Enclosure	closure	Condit	Condition of Area Inside Enclosure	hiside	Comp	Compound Security	unty	Emerge	Emergency Contact Info Visible	t Into	Cleaning / Repairs Recommended and Conducted Photes of Condition	os of Mon	Repair Date and PM Initials
Bullding	đ	X															
Building w/ Fence Comp. Fenced Compound	ence Comp. ompound		0	<u>م</u>	A/N	o	<b>o</b> .	AN	o	a.	AN	<b>&gt;</b>	z	N/A	<b>&gt;</b>	z	
Trailer	ler		A REAL PROPERTY OF	NUMBER OF STREET										0 10 10 10 10 10 10		ALC: NOT ALC	
Number of Drums On-site		Does the Label Reveal the Source of the Contents	veal the ntonts	Labeled	Labeled Correctly and Withle, Legible	nd Writing		Drum Condition	ş	Confirm Druma Related to Environmental	Orums d to media	Drums Busine	Drugs Located to Min Business Interference	u so	Detailed Explanation of Any Issues Racolved Drum Drum	pa of hum diftion	Date Drums Removed from Site and PM Jobbe
0	>	z	NIA	*	z	NVA	ø	۵.	N/A	7	z	7	z	NIA		z	
Genord (Acceptable) R = Replaced P = Poor (needs attention) NL = No Lock Required Note: All repairs other than locks any stream shell PM approval prior to repair. • = Grountwater monitoring well covers must be painted and labeled in accordance with applicable regulations.	Ceptable) ds attention) <u>ether than loci</u> nonitoring well ct	R = Replaced Ni, = No Lock Ms and grippers res overs must be paint	R = Replaced Ni. = No Lock Required And arippers require Shell P vers must be painted and label	quired Shell PM a d labsted in	pproval prio	<b>r.to.rupat</b> r. With applical	ble regulatio	ž							All environmental wells and the remodiation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above). CVM, A CVM, A Read December 6 Construction Construction	in god ted at	od condition, bovej.
Version 2.4, March 2008	D 2008														רוווו טו ולום ואפווים מילי ומות ב מופמווים מ המוופתיו המוווים א		

					ш	INVIRON	MENTAL	" אפרר' ו	REMEDI		COMPOL	IND, ANI	D SITE IN	ISPECT	Page .	N	7
INCIDENT #	91880622	306	NN		-						AC	ADDRESS	12	210	NE USTO SY.		
DATE:	8/2	8/2/16									5	CITY & STATE	TE	- 3	seattle wh		
			100000			Observations		Upon Arrival							Note Repairs Made	Photos of	f Repair Date
WealD	Marway	Manway Cover, Type, Condition & Size	(pa, Con	dition &		Well Labeled Painted Properly	eled// ed hy*	Well Cap (Gripper) Condition	an a	WellLoc	Well Lock Condition	-	Well Pad / Surface Condition		e Recommended	Well Condition	
84	Standplpe		È	a.	Size (Inch) 3 Z	୭		9	┝──	8	~		G	4	vac lt ×	Ø	8
VP-4	Standpipe	Ð	8	e.	Siza (Inch)	B	z	0	~	୭	œ	ž	(@)		7	\$	. 0.
VP-S	Standpipe	fund)	હ	a.	Size (Inch)	8	z	9	a A	Ð	×	d z	6	a	14	( <del>]</del> >	
VP-6	Standpipe	Yong	19	а. С.	Size (Inch)	to 0	z	9	ĸ	0	œ	NL (	ଚ	Р		<u>(</u> } ≻	7
187	Standpipe	The second	123	a.	Mar India	ତ	z	0	œ	ନ୍ତ	œ	NL	6	d		                                                 	
V.P-8	Standpipe		୭	a	3 tra (Inch)	0	z	٥	œ	Ø	œ	V V	6	۵.	vault	<del>ک</del> ۲	(J)
5-97	Standpipe	Yend	0	٩	Size (Inch)	0	z	0	~	6	œ	y z	Ø	٩		Ŷ	A
	Standpipe	Flush	0	a	Size (Inch)	~	z	à	æ	U	æ	ಶ	U	٩.		λ	Z
	Standpipe	Flush	o	a	Siza (Inch)	7	z	5	œ	U	œ	٦	υ	a.		<u>۲</u>	2
	Standpipe	Flush	o	۵.	Size (Inch)	>	z	<u>ں</u>	a:	<u></u> о	œ	N.	<u>ں</u>	۵.		۲	z
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Standpipe	Flush	U	a.	Size (Inch)	7	z	υ	α	o	œ	J.	IJ	٩		~	2
				THE REAL PROPERTY AND	101	TOTAL # CAPS REPLACED =	'S REPL	ICED =	0		0	· TOTAL I	TOTAL # OF LOCKS REPLACED	KS REPI	LACED		
Condition o	Condition of Soil Boring Patches o Abandoned Monitoring Weils	atches of ng Wells	Ø	٩.	<b>NIA</b>	II.	IF POOR, Boy	Borings/Well IOs or Location Description	IDs of Lot	ation Det	cription					ـــــــــــــــــــــــــــــــــــــ	z
Remedian. (Check 1	Remediation Compound Type (Check boxes that apply)	(ype	Condi	Condition of Enclosure	closura	Conditi	Condition of Area Inside Enclosure	a Inside	Comp	Compound Security	Awn	Emarger	Emergency Contact Info Visible	tinfo	Cleaning (Bepairs Recommended and Conducted	Photos of Condition	of Rapal Data and on PM Initials
NA Building	A ling	X															
Building wf Fence Comp.	ence Comp.		σ	۵.	AN	0	٩	NN	o	۵.	<b>VN</b>	<u>~</u>	z	N/A		 >-	2
Trailer	ller																
Number of Drums On-site		Does the Label Reveal the Source of the Contents	eal the trants	beled	Labeled Correctly and Writing Legible	Julia ba		Drum Condition	5	Confirm Drums Related to Environmental	Drums ed to mental	Drums Busine	Drums Located to Min Business interference	E ĝ	Detailed Explanation of Any issues Reached	Photos of Drum Condition	of Date Drums Removed trom 31s off and PM Initials
	>	z	NIA	۲	z	MA	U	۵.	NIA	*	z	~	z	NIA		~	z
G = Good (Acceptable) P = Poor (needs attention) <u>Note: All meats other than tec</u> • - Groundwater monitoring well c	G = Good (Acceptable) R = Replaced P = Poor (needs attention) NL = No Lock Required <u>Noe: All mastrs other than locks and ortpener, require Shell PM approval prior to repair</u> • • Groundwater monitoring well covers must be painted and labeled in accordance with upplicable regulations.	R = Replaced NL = No Lock s and grippers res	R = Replaced NL = Replaced and or lock Required and or lock results Shell P and or lock and label	quired <u>Shell PM 1</u> rd labeled ir	to proval pric	or to repair.	ibio regulatic	é						14	All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above). CMA 10 PLANT TSTS Print or twoe Name of Feld Personnel & Consultant Company		good condition, d above).
Version 2.4, March 2008	sh 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 hauf 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:

state Perry Pineda Shell Engineer Satt <u>}</u> street name ならない 91880622 NE street number INCIDENT # 20

16 50 5.0 5 s S 5 m date GALS. 0 Ó ********** Ø õ date loaded onto BTS vehicle # time 20~GV adjustments <u>i</u> w-5 WELL I.D. 1/2 - Y 260 5-27 any other é, time Ø 0 160802,7 CP. 0 0-0 N U o 0, v <u>ه</u>. ح S ŝ Ò Ó GALS. N ********* TOTAL GALS. **RECEIVED AT** RECOVERED BTS event# added equip. **BTS Kent** unloaded by 2. mut でん rinse water NAW -8 5-2 MW 12 signature MW WELL I.D. signature Ś

AEC	MO	Daily	AECOM S	Shell SGW (US)			Issue: January 2, 2011 Revision 10: April 2016
						Do N	IOT pre-populate any field.
	210 NE 4	isthsy	Sattle W	A Date:	8/2/16	8[	3/16
AECOM Site Supervisor:	Cra	ig Pe	torr	AECOM PM:	Renee	Kn	echt-
List activities to be performed today:	9	Ground	Quater 1	Moni Yovin	9		
Permitted Activitie permit to be comp			able  Confined S gging (any lifting with			Hot V tural Ga	Vork s System Maintenance
Muster Point:		Taco S	tand	Spill Kit Location:	······	Ras	r of Van
First Aid Kit Locati	ion:	Reav	of Var	Fire Extinguisher	Location:	R	ear of Van
Emergency cut-off	f switches:	Front	of Mation	Designated cell pl	none use area(s):	Ţ	Anition off
Has the Site Mana	ager/Owner bee		the work activities a		• •	alk?	
			plan to Stop Work o				
Has a site walk be							
			he site specific HAS	P?			Pes No*
Does each activity	have a Job Sa	fety Analysis	(JSA)?				Yes No*
Does each subcon							
			nd newly identified				Yes No*
			wed/approved by a				Yes No* N/A
Have all members	of the work tea	im confirmed	understanding of th	e work, hazards, a	nd controls/ mitigati	ion?	<u> </u>
Has each person o	on the work tea	m discussed	all hazards and miti	gation measures as	ssociated with any t	lask	
which will require t			o protect workers, s	to staff and the nu	hian		
			imented, and review				
			made by subcontra		use modifications		
Do all members of	the work team	have API Sat	fety Keys (AECOM	excluded)?			Yes No 1/A
			"Life Saving Rules"				TYes No*
			ion reporting require		mediately notifying	the	
AECOM Site Supe	rvisor of any in	jury near miss	s, unsafe condition	or hazard observati	on?		Yes No*
			ed and permit condi				Yes No* N/A
If drilling, did driller	physically poir	nt out all pinch	n points to entire tea	m (AECOM and all	subs)?		Yes No* N/A
If drilling, has the d	riller & crew ag	reed the audi	ible and visible sign	als for "all clear" pri	or to engaging cont	trols?	Yes No* ANTA
Title of AECOM	}		ective action is comple				
JSAs reviewed today:	Grain	Surata	Manitorin	Title of Subcontr JSAs reviewed to	actor's oday:		
All personnel are w (regardless of activ	earing ity): See	lard Hat JSA for addit	Safety Glasses 🛛	Safety Vest Stee PE requirements.	el-Toed Boots	loves (ap	ppropriate for task)
Other Items Discu	ssed Today:		Γ	Stop Work	Authority & Oblig	ration	
· · · · · · · · · · · · · · · · · · ·			* All employees w				r uncertain about safety.
				Il stop the job if any			additional mitigation not
					changes in personr	nel or co	onditions at the worksite.
				Il stop the job and r			nd mitigations, and then
Me and a code it is a code it i	A.B. 101. AHLA 101.60		Contraction to the second seco	Recht soldens beiter werd begitter die des kepartiest Me powertie entowet	ning one sources of the pro-		

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1

A	ECON	1
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#### AECOM Shell SGW (US)

Issue: January 2, 2011 Revision 10: April 2016

Daily Tailgate Meeting & Job Clearance Form

Do NOT pre-populate any field.

SITE WORKERS (including AECOM Contractor * You have been involved in reviewing the JSAs and und * You understand the permit to work requirements applic * You understand the Shell Life Saving Rules and are aw * You are aware of your authority and obligation to 'Stop I arrived and departed fit for duty: * You are physically and mentally fit for duty, * You are not under the influence of any type of medication * You are aware of your responsibility to immediately rep the AECOM Site Supervisor. * You will sign-out uninjured unless you have otherwise in	lerstand the hazards and control measur able to the work you are about to perform rare that tasks or work that is not risk-ast Work'. on, drugs, or alcohol that could affect you ort any illness, injury (regardless of wher	es associated with each task y n (if it includes permitted activi sessed shall not be performed ur ability to work safely.	you are about to perform. ties).
Print Name & Company	Signature	Initials & Sign In Time	Initials & Sign Out Time
84/16 Craig Peterr BTS	Jen Po	Op In & Fit 0145	OUT & Fit 1395
8/3/16 Craig Peter BT/	1 in Pt	op In & Fit ons	Q Out & Fit 0930
		In & Fit	Out & Fit
		In & Fit	Out & Fit
		In & Fit	Out & Fit

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

PERSONAL SAFETY CON	MITMENT	(Attach additional Perso	onal Safety Comm	itment she	ets, if needed)	
Print Name	"I v	vill personally con	imit to do the	e followi	ng to positivel	y improve site safety today":
Craig Poter(	UCR	monhole	NOOK	to	open	vaults
		•			-1	
	•• •••				And 1 and	· · · · · · · · · · · · · · · · · · ·
		······				

SITE VISITORS (attach ad	ditional Site Visitor sign-in/out sheets	if needed)	and the second second second	
Print Name	Company Name	Arrival Time	Departure Time	Signature

SITE REPRESENTATIVE Sigi	n In/Out (operating	sites only, a	and signatu	re must be requeste	d. If the operator re	fuses to sign, note	this on the Form)
Sign In: I have discussed this Job (	Clearance Form with	h the contra	actor	Sign Out: I hav	e discussed this	Job Clearance F	orm with the contractor
Site Representative Name	Site Represent			Site Represen		Şite Repres	entative Signature
hitbal Singh	hitpa	later	$\overline{\omega}$	SAMMY	JOSEN	5	
8/2/16	8/3/19	, <u> </u>		8/2/	[6	8/3/	16
TWILIGHT TOOL BOX TALK	Complete the	followin	g once	field activities	s for the day	have been co	oncluded):
Were there any Incidents, Near Mi Incidents, or Positive Interventions		🗌 Yes	No	If yes, provide	e details:		
Were there any 'Stop Work' interve	entions?	☐ Yes	No No	If yes, provide	e details:		
Were there any areas for improver	nent noted?	🗌 Yes	No No	If yes, provide	e details:		
Is the Site Manager/Owner happy you left the site (including the local drums and/or equipment)?	with the way ion of waste	Yes	□ No	If no, provide	details:		
I certify that the above information job site is being left in a safe condi		Yes	🗌 No	AECOM Site	Supervisor Sigr	nature/	P
					· · · · · · · · · · · · · · · · · · ·	61	

#### WELL GAUGING DATA

Project # 160009-CPZ Date 0/9/16 Client AECOM

Time	Well Size (in.)	Sheen / Odor		e Liquid	Immiscibles	Depth to water (ft.)	bottom (ft.)	Survey Point: TOB or	Notes
1305	ч					14.20	19.31		
<u> </u>									
	Time (305	Size	SizeSheen /Time(in.)Odor	SizeSheen /ImmiscibleTime(in.)OdorLiquid (ft.)	WellDepth toImmisciblSizeSheen /Immisciblee LiquidTime(in.)OdorLiquid (ft.)(ft.)	Well         Depth to         Immiscible         Immiscibles           Size         Sheen /         Immiscible         e Liquid         Removed           Time         (in.)         Odor         Liquid (ft.)         (ft.)         (ml)	WellDepth toImmiscibleImmisciblesSizeSheen /Immisciblee LiquidRemovedDepth to waterTime(in.)OdorLiquid (ft.)(ft.)(ml)(ft.)	WellDepth toImmiscibleImmisciblesSizeSheen /Immisciblee LiquidRemovedDepth to waterDepth to wellTime(in.)OdorLiquid (ft.)(ft.)(ml)(ft.)bottom (ft.)	Well SizeDepth toImmiscibleImmisciblesPoint:TimeSheen /Immisciblee LiquidRemovedDepth to waterDepth to wellTOB orTime(in.)OdorLiquid (ft.)(ft.)(ml)(ft.)bottom (ft.)TOB

		TOU L						
Project #:	16080	29-cp	2		AECO			
Sampler:	И			Gauging D	ate: <b>B</b> ,	19/16		
Well I.D.		iW-6		Well Diam	neter (in.)	: 2 3	<u>(4)</u> 6 8	
Total We	ll Depth (f	t.): /4	1.37	Depth to V	Vater (ft.)	: 14	. 20	
	Free Produ		······	Thickness			······································	<u></u>
Reference		PVC)	Grade	Flow Cell			Pro Plus	
					~~~~~			
Purge Metho Sampling M		2" Grundfe Dedicated	Tubing		Peristakic F	g	Bladder Pump Other_	
Start Purge	Time: <u>13</u>	4	Flow Rate:	100 ML	Imin		Pump Depth: 1	7'
Time	Temp. (C) or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (nL))	Depth to Water (ft.)
1317	17.2	6.61	303	11	0.38	-217.2	600	14.55
1320	17.4	6.61	302	11	0.31	-256.5	900	14.60
1323	17.3	6.61	302	11	0.26	-281.1	1200	14.67
1326	17.4	6.62	302	12	0.24	-286.1	1500	14.73
1329	17.4	6.66	301	13	0.22	-2960	1800	14.78
Did well o	dewater?	Yes (Ng		Amount a	actually e	vacuated: 1	.81
Sampling	Time:	1330	2		Sampling	; Date:	8/9/16	
			80916-CP-	MW-6	Laborator	ry: 7	A	
Analyzed		трн-у				Other:	See coc	
Equipmer	nt Blank I.		@ Time		Duplicate	e I.D.:		

LOW FLOW WELL MONITORING DATA SHEET

Shell Oil Products US Chain Of Cus	4. Name: 2000 2000: PlaNet Site of Project ID 2000 Dueck in Normehring				ELSE DELIVERANCE TO DIverse, Denswer, Office Location): Entrole: Price Control of the Location (Control of Control of Co	Renee Knecht, AECOM, Seatule, WA 205-438-2371 renee knecht@aecom.com	g Peter	Days D4 HOURS ON WEREEND ON WEREEND ON WEREEND	Washington Dept of Ecclogy	DLEVEL 4 DTHER (SPECIFY)		Juliel Contract first arguings Strivite Remeaters Strivite Remea	SAMPLING PRESERVATIVE NO. OF NO. OF	HCL. HHOJ H2SOA NONE OTHER	B19/K 1330 WG K							and in Kange	hipped via feed as	hipped via Feel Scale Ballie	hipped via Factor 1000 B/9/16
	lease Chock Ap	٦٢					Med E-MML-//	D4 HOURS	ol Ecology	Плиея (secury) _	Cop	Shift continue let		2 1	esc.	m6						Record by (Signat	Recorded by (Signate Recorded by (Signate	Received by (Signate Breedwed by (Signate	Recorded by (Sprats
			LIRANSPORIA		;		Kanee Knecht	Swa 2	Washington Dept	Clera.4	Conter #2		SAMPLING		8 9/K										
LAB (LOCATION)			Lab Vendor # 1384589 (TestAmerica)	Right Tech Services Inc	ers Ave., San Jose, CA, 95112	PROJECT CONTACT (Haddy a PDF Read by	E 206-438-2371	TURNAROUND TIME (CALENDAR DAYS): 	CIA - RWQCB REPORT FORMAT	DELIVERABLES: LEVELI LIARI	TEMPERATURE ON RECEIPT C* Cooler #1	SPECIAL INSTRUCTIONS OR NOTES :	Tiold Secolo Monthlesses	Honsonnan an an ar an ar	2 WM - 90-01000- 50000- MM	7 B			*******			Index (Support	ed by (Supplet) An DE	ad by (Bayada)	Remunitratory (Bargada) Remonstratory (Bargada) Restructioned (Sh-(2) S-murch

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	10000000			No.		Observations	tions Upr	(Upon Arrival			Needers of	135.6		Notes Bessier Marie Photosoft Bessier Date	- Date
Ct lew.	Varman	Mamray Cover, Type, Condition & Size	ype, Con	dition &	Size	Well Labeled Painted Property	eled/ ed ty*	Well Cap (Gripper) Condition) 	Well Lock Condition	Conditio	ili seni Galeria	Well Pad/ Surface Condition	Detailed Explanation of Maintanance Recommended Well and Performed Condition	PM BIS
MW 2	Standpipe	€¢	ව	۵.	slan (inch)	0	z	0		୍	2	'છે 7	- 	 > 	
	Standpipe	Flush	c	<u> </u>	Size (Inch)	≻	z	ı	~~~	O	~	ž	а 9	z	
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	Standpipe	Flush	U	م	Size (Inch)	*	z	U	œ	o	œ	NL	- 	Z	
					101/	TOTAL # CAPS REPLACED =	S REPLA	CED =	0	0	11	OTAL#(DF LOCK	TOTAL # OF LOCKS REPLACED	
Condition o Abano	Condition of Soli Boring Patches o Abandoned Monitoring Vielis	atches of ng Wells	୭	4	NIA	d H	If POOR, Bort	BoringsWell IDs or Location Description	is of Loca	don Desci	ption			- z	
Remediatio (Check b	Remediation Compound Typa (Chack boxes that apply)	Type V)	Condit	Condition of Enclosure	closure	Conditi	Condition of Area Inside Eaclosure	Inside	Compo	Compound Security		Emergency Contact Info Visible	Contact I lible	do Cleaning Repairs Recommended and Conducted Photos of Repartices and Conducted Conducted Photos	Date and initials
NA Building Building w/ Fence Comp.	k ling ence Comp.	4	U	٩	NIA	ø	a .	AW	ى ن	٩	NIA	~	z	MA Y	<u></u>
Fenced Compound Trailer	ompound														
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G = Good (Acceptable) R = Replaced P = Poor (needs attention) NL = No Lock Required Nets: All repairs attention) actioners require Shell PM approval actor to spall. * a Groundwater monthoring welt covers must be pairied and labeled in accordance with applicable regulations. Version 2.4. March 2006	ceptable) is attention) ether then locks contaring well cov	R = Replaced NL = No Lock Land arlponts reg Land be painte	R = Replaced NL = No Lock Required and at/aparts require Shall P ers must be painted and tabele	luired <u>theit PM a</u> 1 tabeled in	Jefavel Erlol scondance v	to repair, vih applicati	le regulation	ý						All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above). Croic PVF W BTS Print or type Name of Field Personnel & Consultant Company	dition,

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:

state ペン Soatt Perry Pineda Shell Engineer city street name すいで 91880622 ŚС street number **INCIDENT #** 202

WELL I.D. GALS.		any other adjustments /	loaded onto BTS vehicle # 40	16 1345 date 14/16	1430 01 9 1K
WELL I.D. GALS.		added equip. rinse water 1 0.5	TOTAL GALS. 1.0	BTS event # time 100804.497.109	RECEIVED AT BTS Kent unloaded by signature

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAI	PROJECT NAME 210 NE CIST'ST SPARILLE	2 25-7-27		PROJECT NUMBER	NBER 16 0809- 2P2	- 292	
EQUIPMENT NAME	L	DATE/TIME OF TEST	STANDARDS USED	F	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
Y ST Pro Plus	1400		0.01 0.12 0.12	7.0.4	<u>رر</u> /	24.0	S
			conduct	8662	\	24-1	8
			088	0.122	١	24.0	S
			D. 0. 100-1.	97.1		2.72	do
- -							· .

Appendix B Analytical Reports and Chains of Custody



THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

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

TestAmerica Job ID: 590-2793-1 Client Project/Site: 210 NE 45th St., Seattle

For: AECOM, Inc. 710 Second Avenue Suite 1000 Seattle, Washington 98104

Attn: Renee Knecht

Candre Arrington

Authorized for release by: 2/17/2016 10:45:47 AM

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

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.

..... Links **Review your project** results through **Total** Access Have a Question? Ask-The Expert Visit us at: www.testamericainc.com

Table of Contents

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Method Summary	5
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QC Sample Results	18
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Definitions	27
Certification Summary	28
Chain of Custody	29
Receipt Checklists	37

Job ID: 590-2793-1

Laboratory: TestAmerica Spokane

Narrative

Receipt

The samples were received on 2/8/2016 10:25 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 2.7° C, 2.8° C and 3.3° C.

GC/MS VOA Method NWTPH-Gx:

The continuing calibration verification (CCV) associated with batch 590-5366 recovered above the upper control limit for Gasoline. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: GW-060493-020416-LB-VP-5 (590-2793-11), GW-060493-020416-CP-VP-6 (590-2793-12) and GW-060493-020416-LB-VP-8 (590-2793-14).

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

GC/MS VOA Method 8260C:

The oxygenate compounds were canceled with the client's approval due to a TestAmerica systems outage.

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

GC Semi VOA Method NWTPH-Dx:

Detected hydrocarbons in the diesel range appear to be due to gasoline overlap in the following samples: GW-060493-020416-CP-MW-6 (590-2793-4) and GW-060493-020416-LB-VP-7 (590-2793-13).

Detected hydrocarbons in the diesel range appear to be due to a heavy gas/light diesel range component as well as a heavily weathered diesel and/or light weight oil in the following samples: GW-060493-020416-LB-VP-3 (590-2793-9).

Detected hydrocarbons in the diesel range appear to be due to an individual peak in the following sample: GW-060493-020416-LB-VP-8 (590-2793-14).

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

Organic Prep

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

VOA Prep

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

Sample Summary

Matrix

Water

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

Lab Sample ID

590-2793-1

590-2793-2

590-2793-3

590-2793-4

590-2793-5

590-2793-6

590-2793-7

590-2793-8

590-2793-9

590-2793-10

590-2793-11

590-2793-12

590-2793-13

590-2793-14

Client Sample ID

GW-060493-020416-LB-MW-1

GW-060493-020416-CP-MW-2

GW-060493-020416-LB-MW-3

GW-060493-020416-CP-MW-6

GW-060493-020416-CP-MW-8

GW-060493-020416-CP-MW-9

GW-060493-020416-LB-VP-1

GW-060493-020416-LB-VP-2

GW-060493-020416-LB-VP-3

GW-060493-020416-LB-VP-4

GW-060493-020416-LB-VP-5

GW-060493-020416-CP-VP-6

GW-060493-020416-LB-VP-7

GW-060493-020416-LB-VP-8

TestAmerica Job ID: 590-2793-1

02/04/16 09:04 02/08/16 10:25

02/04/16 13:12 02/08/16 10:25

02/04/16 10:08 02/08/16 10:25

02/04/16 11:35 02/08/16 10:25

02/04/16 12:20 02/08/16 10:25

02/04/16 11:00 02/08/16 10:25

02/04/16 12:37 02/08/16 10:25

02/04/16 13:07 02/08/16 10:25

02/04/16 11:49 02/08/16 10:25

02/04/16 11:11 02/08/16 10:25

02/04/16 10:35 02/08/16 10:25

02/04/16 13:48 02/08/16 10:25

02/04/16 13:36 02/08/16 10:25

02/04/16 09:37 02/08/16 10:25

Collected

3	
4	
5	
8	
9	

Received

Method Summary

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

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

Protocol References:

NWTPH = Northwest Total Petroleum Hydrocarbon

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

Laboratory References:

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

Detection Summary

TestAmerica Job ID: 590-2793-1

No Detections.

Client: AECOM, Inc.

Project/Site: 210 NE 45th St., Seattle

Client Sample ID: GW-060493-020416-CP-MW-2

Client Sample ID: GW-060493-020416-LB-MW-1

No Detections.

Client Sample ID: GW-060493-020416-LB-MW-3

No Detections.

Client Sample ID: GW-060493-020416-CP-MW-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac D	Method	Prep Type
Benzene	41.6		0.200	0.0320	ug/L	1	8260C	Total/NA
Ethylbenzene	197		10.0	0.860	ug/L	10	8260C	Total/NA
m,p-Xylene	49.3		2.00	0.124	ug/L	1	8260C	Total/NA
o-Xylene	0.638	J	1.00	0.0620	ug/L	1	8260C	Total/NA
Toluene	4.51		1.00	0.0380	ug/L	1	8260C	Total/NA
Xylenes, Total	49.9		3.00	0.0160	ug/L	1	8260C	Total/NA
Gasoline	2600		100	17.8	ug/L	1	NWTPH-Gx	Total/NA
Diesel Range Organics (DRO) (C10-C25)	0.689		0.237	0.190	mg/L	1	NWTPH-Dx	Total/NA

Client Sample ID: GW-060493-020416-CP-MW-8

No Detections.

Client Sample ID: GW-060	0493-02041	16-CP-MW	/-9			Lab	S	ample ID:	590-2793-6
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.146	J	1.00	0.0380	ug/L	1	-	8260C	Total/NA
Client Sample ID: GW-060	0493-02041	16-LB-VP-	-1			Lab	S	ample ID:	590-2793-7
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics (DRO) _(C10-C25)	0.292		0.239	0.191	mg/L	1	_	NWTPH-Dx	Total/NA
Client Sample ID: GW-060	0493-02041	16-LB-VP-	-2			Lab	S	ample ID:	590-2793-8
 Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics (DRO) (C10-C25)	0.455		0.237	0.190	mg/L	1	_	NWTPH-Dx	Total/NA
Client Sample ID: GW-060	0493-02041	16-LB-VP-	-3			Lab	S	ample ID:	590-2793-9

Analyte	Result Qualifie	r RL	MDL	Unit	Dil Fac	D Method	Prep Type
Benzene	0.137 J	0.200	0.0320	ug/L	1	8260C	Total/NA
Toluene	0.260 J	1.00	0.0380	ug/L	1	8260C	Total/NA
Gasoline	318	100	17.8	ug/L	1	NWTPH-Gx	Total/NA
Diesel Range Organics (DRO) (C10-C25)	0.433	0.237	0.189	mg/L	1	NWTPH-Dx	Total/NA

This Detection Summary does not include radiochemical test results.

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Lab Sample ID: 590-2793-1

Lab Sample ID: 590-2793-2

Lab Sample ID: 590-2793-3

Lab Sample ID: 590-2793-4

Lab Sample ID: 590-2793-5

Lab Sample ID: 590-2793-10

Lab Sample ID: 590-2793-11

Lab Sample ID: 590-2793-12

Lab Sample ID: 590-2793-13

Lab Sample ID: 590-2793-14

Client Sample ID: GW-060493-020416-LB-VP-4

Client: AECOM, Inc.

Project/Site: 210 NE 45th St., Seattle

No Detections.

Client Sample ID: GW-060493-020416-LB-VP-5

No Detections.

Client Sample ID: GW-060493-020416-CP-VP-6

No Detections.

Client Sample ID: GW-060493-020416-LB-VP-7

Analyte	Result Qua	alifier RL	MDL	Unit	Dil Fac D	Method	Prep Type
Benzene	84.4	0.200	0.0320	ug/L	1	8260C	Total/NA
Ethylbenzene	18.6	1.00	0.0860	ug/L	1	8260C	Total/NA
m,p-Xylene	17.1	2.00	0.124	ug/L	1	8260C	Total/NA
o-Xylene	3.92	1.00	0.0620	ug/L	1	8260C	Total/NA
Toluene	18.3	1.00	0.0380	ug/L	1	8260C	Total/NA
Xylenes, Total	21.1	3.00	0.0160	ug/L	1	8260C	Total/NA
Gasoline	565	100	17.8	ug/L	1	NWTPH-Gx	Total/NA
Diesel Range Organics (DRO) (C10-C25)	0.420	0.238	0.190	mg/L	1	NWTPH-Dx	Total/NA
Residual Range Organics (RRO) (C25-C36)	0.335 J	0.380	0.285	mg/L	1	NWTPH-Dx	Total/NA

Client Sample ID: GW-060493-020416-LB-VP-8

Analyte	Result	Qualifier	RL	MDL	Unit	Di	il Fac	D	Method	Prep Type	
Diesel Range Organics (DRO)	0.263		0.237	0.190	mg/L		1	_	NWTPH-Dx	Total/NA	
(C10-C25)											

Client Sample ID: GW-060493-020416-LB-MW-1 Date Collected: 02/04/16 09:04

Date Received: 02/08/16 10:25

Lab Sample ID	: 590-2793-1
	Matrix: Water

7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.200	0.0320	ug/L			02/11/16 00:31	1
Ethylbenzene	ND		1.00	0.0860	ug/L			02/11/16 00:31	1
m,p-Xylene	ND		2.00	0.124	ug/L			02/11/16 00:31	1
o-Xylene	ND		1.00	0.0620	ug/L			02/11/16 00:31	1
Toluene	ND		1.00	0.0380	ug/L			02/11/16 00:31	1
Xylenes, Total	ND		3.00	0.0160	ug/L			02/11/16 00:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)			70 - 140					02/11/16 00:31	1
4-Bromofluorobenzene (Surr)	98		68.7 - 141					02/11/16 00:31	1
Dibromofluoromethane (Surr)	102		71.2 - 143					02/11/16 00:31	1
Toluene-d8 (Surr)	101		74.1 - 135					02/11/16 00:31	1
Method: NWTPH-Gx - North Analyte	Result	e Petroleu Qualifier	RL	MDL		D	Prepared	Analyzed	
Method: NWTPH-Gx - North Analyte Gasoline	ResultND	Qualifier	RL 100	• •		<u>D</u>		02/11/16 00:31	Dil Fac
Method: NWTPH-Gx - North Analyte Gasoline	Result	Qualifier	RL	MDL		D	Prepared	•	
Method: NWTPH-Gx - North Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr) Method: NWTPH-Dx - North	Result ND %Recovery 98 west - Semi-V	Qualifier Qualifier	RL 100 <i>Limits</i> 68.7 - 141 troleum Prod	MDL 17.8	ug/L		Prepared	02/11/16 00:31 Analyzed 02/11/16 00:31	Dil Fa
Method: NWTPH-Gx - North Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr) Method: NWTPH-Dx - North Analyte	Result ND %Recovery 98 west - Semi-V Result	Qualifier Qualifier	RL 100 <u>Limits</u> 68.7 - 141 troleum Prod RL	MDĽ 17.8 ducts (GC MDL	ug/L C) Unit	D	Prepared Prepared	02/11/16 00:31 Analyzed 02/11/16 00:31 Analyzed	Dil Fac
Method: NWTPH-Gx - North Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr) Method: NWTPH-Dx - North Analyte Diesel Range Organics (DRO)	Result ND %Recovery 98 west - Semi-V	Qualifier Qualifier	RL 100 <i>Limits</i> 68.7 - 141 troleum Prod	MDL 17.8	ug/L C) Unit		Prepared	02/11/16 00:31 Analyzed 02/11/16 00:31	Dil Fac
Method: NWTPH-Gx - North Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr) Method: NWTPH-Dx - North Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO)	Result ND %Recovery 98 west - Semi-V Result	Qualifier Qualifier	RL 100 <u>Limits</u> 68.7 - 141 troleum Prod RL	MDĽ 17.8 ducts (GC MDL	ug/L Unit mg/L		Prepared Prepared	02/11/16 00:31 Analyzed 02/11/16 00:31 Analyzed 02/15/16 15:03	Dil Fac
Method: NWTPH-Gx - North Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr) Method: NWTPH-Dx - North Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate	Result ND %Recovery 98 west - Semi-V Result ND %Recovery	Qualifier Qualifier Olatile Pe Qualifier	RL 100 Limits 68.7 - 141 troleum Prod RL 0.237 0.380 Limits	MDL 17.8 ducts (GC MDL 0.190	ug/L Unit mg/L		Prepared Prepared 02/11/16 11:01 02/11/16 11:01 Prepared	02/11/16 00:31 Analyzed 02/11/16 00:31 Analyzed 02/15/16 15:03 02/15/16 15:03 Analyzed	Dil Fac
Method: NWTPH-Gx - North Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr) Method: NWTPH-Dx - North Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate o-Terphenyl	Result ND %Recovery 98 west - Semi-V Result ND ND	Qualifier Qualifier Olatile Pe Qualifier	RL 100 <u>Limits</u> 68.7 - 141 troleum Prod RL 0.237 0.380	MDL 17.8 ducts (GC MDL 0.190	ug/L Unit mg/L		Prepared Prepared 02/11/16 11:01 02/11/16 11:01	02/11/16 00:31 Analyzed 02/11/16 00:31 Analyzed 02/15/16 15:03 02/15/16 15:03	

Client Sample ID: GW-060493-020416-CP-MW-2 Date Collected: 02/04/16 13:12 Date Received: 02/08/16 10:25

Method: 8260C - Volatile Organic Compounds by GC/MS										
Analyte	Result Qualifier	r RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Benzene	ND	0.200	0.0320	ug/L			02/11/16 00:51	1		
Ethylbenzene	ND	1.00	0.0860	ug/L			02/11/16 00:51	1		
m,p-Xylene	ND	2.00	0.124	ug/L			02/11/16 00:51	1		
o-Xylene	ND	1.00	0.0620	ug/L			02/11/16 00:51	1		
Toluene	ND	1.00	0.0380	ug/L			02/11/16 00:51	1		
Xylenes, Total	ND	3.00	0.0160	ug/L			02/11/16 00:51	1		

Surrogate	%Recovery (Qualifier Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106	70 - 140	7	02/11/16 00:51	1
4-Bromofluorobenzene (Surr)	102	68.7 - 141	(02/11/16 00:51	1
Dibromofluoromethane (Surr)	104	71.2 - 143	(02/11/16 00:51	1
Toluene-d8 (Surr)	97	74.1 - 135	(02/11/16 00:51	1

Lab Sample ID: 590-2793-2

Matrix: Water

RL

100

RL

0.238

0.380

Limits

50 - 150

50 - 150

Limits

68.7 - 141

MDL Unit

17.8 ug/L

MDL Unit

0.190 mg/L

0.285 mg/L

D

D

Analyte

Gasoline

Surrogate

Analyte

(C10-C25)

(C25-C36)

Surrogate

o-Terphenyl

n-Triacontane-d62

4-Bromofluorobenzene (Surr)

Diesel Range Organics (DRO)

Residual Range Organics (RRO)

Client Sample ID: GW-060493-020416-CP-MW-2 Date Collected: 02/04/16 13:12 Date Received: 02/08/16 10:25

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

Result Qualifier

Result Qualifier

ND

%Recovery Qualifier

102

ND

ND

%Recovery Qualifier

81

81

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

Prepared

Prepared

Prepared

Prepared

02/11/16 11:01 02/15/16 15:21

02/11/16 11:01 02/15/16 15:21

02/11/16 11:01 02/15/16 15:21

02/11/16 11:01 02/15/16 15:21

Lab Sample ID: 590-2793-2 Matrix: Water

Analyzed

02/11/16 00:51

Analyzed

02/11/16 00:51

Analyzed

Analyzed

Lab Sample ID: 590-2793-3

Dil Fac

Dil Fac

Dil Fac

Dil Fac

Matrix: Water

1

1

1

1

1

Client Sample ID: GW-060493-020416-LB-MW-3
Date Collected: 02/04/16 10:08
Date Received: 02/08/16 10:25
Date Collected: 02/04/16 10:08

Method: 8260C - Vola	Method: 8260C - Volatile Organic Compounds by GC/MS												
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac				
Benzene	ND		0.200	0.0320	ug/L			02/11/16 01:12	1				
Ethylbenzene	ND		1.00	0.0860	ug/L			02/11/16 01:12	1				
m,p-Xylene	ND		2.00	0.124	ug/L			02/11/16 01:12	1				
o-Xylene	ND		1.00	0.0620	ug/L			02/11/16 01:12	1				
Toluene	ND		1.00	0.0380	ug/L			02/11/16 01:12	1				
Xylenes, Total	ND		3.00	0.0160	ug/L			02/11/16 01:12	1				
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac				

1,2-Dichloroethane-d4 (Surr)	102	70 - 140	02/11/16 01:12	1
4-Bromofluorobenzene (Surr)	96	68.7 - 141	02/11/16 01:12	1
Dibromofluoromethane (Surr)	107	71.2 - 143	02/11/16 01:12	1
Toluene-d8 (Surr)	102	74.1 - 135	02/11/16 01:12	1

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

<u>96</u> <u>68.7 - 141</u> <u>02/11/16 01:12</u> <u>1</u>
<u>96</u> <u>68.7 - 141</u> <u>02/11/16 01:12</u> <u>1</u>
uset Cerri Veletile Petroleure Producto (CC)
Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac
ND 0.237 0.190 mg/L 02/11/16 11:01 02/15/16 15:39 1
vest - Semi-Volatile Petroleum Products (GC) Result Qualifier RL MDL Unit D Prepared Analyzed D

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	75		50 - 150	02/11/16 11:01	02/15/16 15:39	1
n-Triacontane-d62	75		50 - 150	02/11/16 11:01	02/15/16 15:39	1

RL

0.200

MDL Unit

0.0320 ug/L

D

Prepared

Analyte

Benzene

Client Sample ID: GW-060493-020416-CP-MW-6 Date Collected: 02/04/16 11:35 Date Received: 02/08/16 10:25

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

Result Qualifier

41.6

Lab Sample ID: 590-2793-4 Matrix: Water

Analyzed

02/11/16 01:33

Dil Fac

1

					- 3				-
Ethylbenzene	197		10.0	0.860	ug/L			02/15/16 12:16	10
m,p-Xylene	49.3		2.00	0.124	ug/L			02/11/16 01:33	1
o-Xylene	0.638	J	1.00	0.0620	ug/L			02/11/16 01:33	1
Toluene	4.51		1.00	0.0380	ug/L			02/11/16 01:33	1
Xylenes, Total	49.9		3.00	0.0160	ug/L			02/11/16 01:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		70 - 140					02/11/16 01:33	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 140					02/15/16 12:16	10
4-Bromofluorobenzene (Surr)	99		68.7 - 141					02/11/16 01:33	1
4-Bromofluorobenzene (Surr)	95		68.7 - 141					02/15/16 12:16	10
Dibromofluoromethane (Surr)	94		71.2 - 143					02/11/16 01:33	1
Dibromofluoromethane (Surr)	102		71.2 - 143					02/15/16 12:16	10
Toluene-d8 (Surr)	102		74.1 - 135					02/11/16 01:33	1
Toluene-d8 (Surr)	99		74.1 - 135					02/15/16 12:16	10
Method: NWTPH-Gx - North	west - Volatil	e Petroleu	Im Products	(GC/MS)					
Analyte		Qualifier	RL	• • •	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	2600		100	17.8	ug/L			02/11/16 01:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		68.7 - 141					02/11/16 01:33	1
Method: NWTPH-Dx - Northy	west - Semi-V	/olatile Pe	troleum Proc	ducts (G	C)				
Analyte		Qualifier	RL	•	Únit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	0.689		0.237	0.190	mg/L		02/11/16 11:01	02/15/16 15:57	1
· · · · · · · · · · · · · · · · · · ·			0.070	0.005					

Residual Range Organics (RRO) (C25-C36)	ND	0.379	0.285 mg/L	02/11/16 11:01	02/15/16 15:57	1
Surrogate	%Recovery Qualifier	Limits		Prepared	Analyzed	Dil Fac
o-Terphenyl	83	50 - 150		02/11/16 11:01	02/15/16 15:57	1
n-Triacontane-d62	83	50 - 150		02/11/16 11:01	02/15/16 15:57	1

Client Sample ID: GW-060493-020416-CP-MW-8 Date Collected: 02/04/16 12:20 Date Received: 02/08/16 10:25

Lab Sample ID: 590-2793-5 Matrix: Water

watrix: Wate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.200	0.0320	ug/L			02/11/16 01:53	1
Ethylbenzene	ND		1.00	0.0860	ug/L			02/11/16 01:53	1
m,p-Xylene	ND		2.00	0.124	ug/L			02/11/16 01:53	1
o-Xylene	ND		1.00	0.0620	ug/L			02/11/16 01:53	1
Toluene	ND		1.00	0.0380	ug/L			02/11/16 01:53	1
Xylenes, Total	ND		3.00	0.0160	ug/L			02/11/16 01:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 140					02/11/16 01:53	1
4-Bromofluorobenzene (Surr)	100		68.7 - 141					02/11/16 01:53	1
Dibromofluoromethane (Surr)	108		71.2 - 143					02/11/16 01:53	1

Client Sample Results

pject/Site: 210 NE 45th St., S ient Sample ID: GW-06		6-CP-M	W-8				Lab Samp	le ID: 590-2	793-5
ate Collected: 02/04/16 12:2 ate Received: 02/08/16 10:2	0							Matrix:	Water
Method: 8260C - Volatile Org	ganic Compo	unds by G	C/MS (Conti	nued)					
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		74.1 - 135					02/11/16 01:53	1
Method: NWTPH-Gx - North	west - Volatile	Petroleu	m Products ((GC/MS)					
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		100	17.8	ug/L			02/11/16 01:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			68.7 - 141					02/11/16 01:53	1
Method: NWTPH-Dx - Northy						_	_ -		B
Analyte		Qualifier		MDL		D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.237	0.189	mg/L		02/11/16 11:01	02/15/16 16:16	1
Residual Range Organics (RRO)	ND		0.379	0.284	mg/L		02/11/16 11:01	02/15/16 16:16	1
(C25-C36)					J				-
Surroanto	9/ Decover-	Qualifier	l imita				Droparad	Analyzad	
Surrogate		Qualifier	Limits 50 - 150				Prepared 02/11/16 11:01	Analyzed 02/15/16 16:16	Dil Fac
p-Terphenyl n-Triacontane-d62	82 81		50 - 150 50 - 150					02/15/16 16:16	1
ate Collected: 02/04/16 11:0	0	16-CP-M	W-9				Lab Samp	le ID: 590-2 Matrix:	
ate Collected: 02/04/16 11:0 ate Received: 02/08/16 10:2	0 5						Lab Samp		
ate Collected: 02/04/16 11:0 ate Received: 02/08/16 10:2 Method: 8260C - Volatile Org	0 5 ganic Compo			MDL	Unit	D	Lab Samp		
ate Collected: 02/04/16 11:0 ate Received: 02/08/16 10:2 Method: 8260C - Volatile Org Analyte	0 5 ganic Compo	unds by G	C/MS	MDL 0.0320	Unit ug/L	<u>D</u>		Matrix	Water
ate Collected: 02/04/16 11:0 ate Received: 02/08/16 10:2 Method: 8260C - Volatile Org Analyte Benzene	0 5 ganic Compo Result	unds by G	C/MS		ug/L	<u>D</u>		Matrix: Analyzed	Water Dil Fac
ate Collected: 02/04/16 11:0 ate Received: 02/08/16 10:2 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene	0 5 ganic Compo Result ND	unds by G	C/MS 	0.0320	ug/L ug/L	D		Matrix: Analyzed 02/11/16 02:14	Water Dil Fac
ate Collected: 02/04/16 11:0 ate Received: 02/08/16 10:2 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene n,p-Xylene -Xylene	0 5 ganic Compo Result ND ND ND ND	unds by G Qualifier	C/MS RL 0.200 1.00 2.00 1.00	0.0320 0.0860 0.124 0.0620	ug/L ug/L ug/L ug/L	D		Matrix: Analyzed 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14	Water Dil Fac
ate Collected: 02/04/16 11:0 ate Received: 02/08/16 10:2 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene n,p-Xylene D-Xylene Foluene	0 5 ganic Compo Result ND ND ND ND 0.146	unds by G Qualifier	C/MS RL 0.200 1.00 2.00 1.00 1.00 1.00	0.0320 0.0860 0.124 0.0620 0.0380	ug/L ug/L ug/L ug/L ug/L	D		Matrix: Analyzed 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14	Dil Fac 1 1 1 1 1 1 1 1 1
ate Collected: 02/04/16 11:0 ate Received: 02/08/16 10:2 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene n,p-Xylene D-Xylene Foluene	0 5 ganic Compo Result ND ND ND ND	unds by G Qualifier	C/MS RL 0.200 1.00 2.00 1.00	0.0320 0.0860 0.124 0.0620	ug/L ug/L ug/L ug/L ug/L	<u>D</u>		Matrix: Analyzed 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14	WaterDil Fac1111
ate Collected: 02/04/16 11:0 ate Received: 02/08/16 10:2 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene n,p-Xylene D-Xylene Foluene Kylenes, Total	0 5 ganic Compo Result ND ND ND ND ND ND ND ND ND	unds by G Qualifier J	C/MS RL 0.200 1.00 2.00 1.00 1.00 3.00	0.0320 0.0860 0.124 0.0620 0.0380	ug/L ug/L ug/L ug/L ug/L	D	Prepared	Matrix: <u>Analyzed</u> 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14	Dil Fac 1 1 1 1 1 1 1 1 1 1
ate Collected: 02/04/16 11:0 ate Received: 02/08/16 10:2 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene m.p-Xylene D-Xylene Toluene Kylenes, Total Surrogate	0 5 5 5 5 5 5 5 5 5 5 5 5 5	unds by G Qualifier J	C/MS RL 0.200 1.00 2.00 1.00 1.00 3.00 Limits	0.0320 0.0860 0.124 0.0620 0.0380	ug/L ug/L ug/L ug/L ug/L	<u>D</u>		Matrix: <u>Analyzed</u> 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 Maalyzed	Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ate Collected: 02/04/16 11:0 ate Received: 02/08/16 10:2 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene n,p-Xylene o-Xylene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr)	0 5 ganic Compo Result ND ND ND ND ND ND ND ND ND	unds by G Qualifier J	C/MS RL 0.200 1.00 2.00 1.00 1.00 3.00	0.0320 0.0860 0.124 0.0620 0.0380	ug/L ug/L ug/L ug/L ug/L	D_	Prepared	Matrix: <u>Analyzed</u> 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14	Dil Fac 1 1 1 1 1 1 1 1 1 1
ate Collected: 02/04/16 11:0 ate Received: 02/08/16 10:2 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene m.p-Xylene D-Xylene Coluene Kylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr)	0 5 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	unds by G Qualifier J	C/MS RL 0.200 1.00 2.00 1.00 1.00 3.00 Limits 70 - 140	0.0320 0.0860 0.124 0.0620 0.0380	ug/L ug/L ug/L ug/L ug/L	<u>D</u>	Prepared	Matrix: <u>Analyzed</u> 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 <u>Analyzed</u> 02/11/16 02:14	Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ate Collected: 02/04/16 11:0 ate Received: 02/08/16 10:2 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene n,p-Xylene D-Xylene Coluene Kylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr)	0 5 5 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	unds by G Qualifier J	C/MS RL 0.200 1.00 2.00 1.00 1.00 3.00 Limits 70 - 140 68.7 - 141	0.0320 0.0860 0.124 0.0620 0.0380	ug/L ug/L ug/L ug/L ug/L	<u> </u>	Prepared	Matrix: <u>Analyzed</u> 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 <u>Analyzed</u> 02/11/16 02:14 02/11/16 02:14	Dil Fac 1
ate Collected: 02/04/16 11:0 ate Received: 02/08/16 10:2 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene m,p-Xylene o-Xylene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr)	0 5 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	unds by G Qualifier J Qualifier	C/MS RL 0.200 1.00 2.00 1.00 1.00 3.00 Limits 70 - 140 68.7 - 141 71.2 - 143 74.1 - 135	0.0320 0.0860 0.124 0.0620 0.0380 0.0160	ug/L ug/L ug/L ug/L ug/L	<u>D</u>	Prepared	Matrix: <u>Analyzed</u> 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 <u>Analyzed</u> 02/11/16 02:14 02/11/16 02:14	Dil Fac 1
ate Collected: 02/04/16 11:0 ate Received: 02/08/16 10:2 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene m,p-Xylene o-Xylene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: NWTPH-Gx - Northy	0 5 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	unds by G Qualifier J Qualifier	C/MS RL 0.200 1.00 2.00 1.00 1.00 3.00 Limits 70 - 140 68.7 - 141 71.2 - 143 74.1 - 135 m Products (0.0320 0.0860 0.124 0.0620 0.0380 0.0160	ug/L ug/L ug/L ug/L ug/L		Prepared Prepared	Matrix: <u>Analyzed</u> 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14	Dil Fac 1
ate Collected: 02/04/16 11:0 ate Received: 02/08/16 10:2 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene m.p-Xylene D-Xylene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) A-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: NWTPH-Gx - Northy Analyte	0 5 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	unds by G Qualifier J Qualifier	C/MS RL 0.200 1.00 2.00 1.00 3.00 Limits 70 - 140 68.7 - 141 71.2 - 143 74.1 - 135 m Products (RL	0.0320 0.0860 0.124 0.0620 0.0380 0.0160 (GC/MS) MDL	ug/L ug/L ug/L ug/L ug/L Ug/L	D	Prepared	Matrix: <u>Analyzed</u> 02/11/16 02:14 02/11/16 02:14	Dil Fac 1
ate Collected: 02/04/16 11:0 ate Received: 02/08/16 10:2 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene m,p-Xylene D-Xylene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: NWTPH-Gx - Northy Analyte	0 5 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	unds by G Qualifier J Qualifier	C/MS RL 0.200 1.00 2.00 1.00 1.00 3.00 Limits 70 - 140 68.7 - 141 71.2 - 143 74.1 - 135 m Products (0.0320 0.0860 0.124 0.0620 0.0380 0.0160 (GC/MS) MDL	ug/L ug/L ug/L ug/L ug/L		Prepared Prepared	Matrix: <u>Analyzed</u> 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14	Dil Fac 1
ate Collected: 02/04/16 11:0 ate Received: 02/08/16 10:2 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene m,p-Xylene D-Xylene Toluene Kylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) A-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: NWTPH-Gx - Northy Analyte Gasoline	0 5 5 5 5 5 5 5 5 5 5 5 5 5	unds by G Qualifier J Qualifier Petroleu Qualifier	C/MS RL 0.200 1.00 2.00 1.00 1.00 3.00 Limits 70 - 140 68.7 - 141 71.2 - 143 74.1 - 135 m Products (RL 100	0.0320 0.0860 0.124 0.0620 0.0380 0.0160 (GC/MS) MDL	ug/L ug/L ug/L ug/L ug/L Ug/L		Prepared Prepared Prepared	Matrix: <u>Analyzed</u> 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14	Dil Fac 1
ate Collected: 02/04/16 11:0 ate Received: 02/08/16 10:2 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene n,p-Xylene D-Xylene Toluene Kylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: NWTPH-Gx - Northy Analyte Gasoline Surrogate	0 5 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	unds by G Qualifier J Qualifier Petroleu Qualifier	C/MS RL 0.200 1.00 2.00 1.00 1.00 3.00 Limits 70 - 140 68.7 - 141 71.2 - 143 74.1 - 135 m Products (RL 100 Limits	0.0320 0.0860 0.124 0.0620 0.0380 0.0160 (GC/MS) MDL	ug/L ug/L ug/L ug/L ug/L Ug/L		Prepared Prepared	Matrix: <u>Analyzed</u> 02/11/16 02:14 02/11/16 02:14	Dil Fac 1
ate Collected: 02/04/16 11:0 ate Received: 02/08/16 10:2 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene n,p-Xylene D-Xylene Toluene Kylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: NWTPH-Gx - Northy Analyte Gasoline Surrogate	0 5 5 5 5 5 5 5 5 5 5 5 5 5	unds by G Qualifier J Qualifier Petroleu Qualifier	C/MS RL 0.200 1.00 2.00 1.00 1.00 3.00 Limits 70 - 140 68.7 - 141 71.2 - 143 74.1 - 135 m Products (RL 100	0.0320 0.0860 0.124 0.0620 0.0380 0.0160 (GC/MS) MDL	ug/L ug/L ug/L ug/L ug/L Ug/L		Prepared Prepared Prepared	Matrix: <u>Analyzed</u> 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 Analyzed 02/11/16 02:14	Dil Fac 1 </td
ate Collected: 02/04/16 11:0 ate Received: 02/08/16 10:2 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene m.p-Xylene D-Xylene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: NWTPH-Gx - Northw Analyte Basoline Surrogate 4-Bromofluorobenzene (Surr) Method: NWTPH-Dx - Northw	0 5 5 5 5 5 5 5 5 5 5 5 5 5	Unds by G Qualifier J Qualifier <u>Qualifier</u> <u>Qualifier</u> <u>Qualifier</u>	C/MS RL 0.200 1.00 2.00 1.00 1.00 3.00 Limits 70 - 140 68.7 - 141 71.2 - 143 74.1 - 135 m Products (RL 100 Limits 68.7 - 141 troleum Prod	0.0320 0.0860 0.124 0.0620 0.0380 0.0160 (GC/MS) MDL 17.8	ug/L ug/L ug/L ug/L ug/L Unit ug/L		Prepared Prepared Prepared Prepared	Matrix: <u>Analyzed</u> 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 <u>Analyzed</u> 02/11/16 02:14	Dil Fac 1
ate Collected: 02/04/16 11:0 ate Received: 02/08/16 10:2 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene m,p-Xylene D-Xylene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: NWTPH-Gx - Northy Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr) Method: NWTPH-Dx - Northy Analyte	0 5 5 5 5 5 5 5 5 5 5 5 5 5	Unds by G Qualifier J Qualifier <u>Qualifier</u> Qualifier	C/MS RL 0.200 1.00 2.00 1.00 3.00 Limits 70 - 140 68.7 - 141 71.2 - 143 74.1 - 135 m Products (RL 100 Limits 68.7 - 141 troleum Prod RL	0.0320 0.0860 0.124 0.0620 0.0380 0.0160 (GC/MS) MDL 17.8	ug/L ug/L ug/L ug/L ug/L ug/L Unit		Prepared Prepared Prepared Prepared Prepared	Matrix: Analyzed 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 Analyzed 02/11/16 02:14 Analyzed 02/11/16 02:14	Dil Fac 1 </td
Elient Sample ID: GW-06 ate Collected: 02/04/16 11:00 ate Received: 02/08/16 10:23 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene m,p-Xylene o-Xylene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: NWTPH-Gx - Northy Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr) Method: NWTPH-Dx - Northy Analyte Disel Range Organics (DRO)	0 5 5 5 5 5 5 5 5 5 5 5 5 5	Unds by G Qualifier J Qualifier <u>Qualifier</u> <u>Qualifier</u> <u>Qualifier</u>	C/MS RL 0.200 1.00 2.00 1.00 1.00 3.00 Limits 70 - 140 68.7 - 141 71.2 - 143 74.1 - 135 m Products (RL 100 Limits 68.7 - 141 troleum Prod	0.0320 0.0860 0.124 0.0620 0.0380 0.0160 (GC/MS) MDL 17.8	ug/L ug/L ug/L ug/L ug/L ug/L Unit	D	Prepared Prepared Prepared Prepared Prepared	Matrix: <u>Analyzed</u> 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 <u>Analyzed</u> 02/11/16 02:14	Dil Fac 1
ate Collected: 02/04/16 11:0 ate Received: 02/08/16 10:2 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene m,p-Xylene o-Xylene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: NWTPH-Gx - Northy Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr) Method: NWTPH-Dx - Northy Analyte	0 5 5 5 5 5 5 5 5 5 5 5 5 5	Unds by G Qualifier J Qualifier <u>Qualifier</u> <u>Qualifier</u> <u>Qualifier</u>	C/MS RL 0.200 1.00 2.00 1.00 3.00 Limits 70 - 140 68.7 - 141 71.2 - 143 74.1 - 135 m Products (RL 100 Limits 68.7 - 141 troleum Prod RL	0.0320 0.0860 0.124 0.0620 0.0380 0.0160 (GC/MS) MDL 17.8	ug/L ug/L ug/L ug/L ug/L ug/L Unit mg/L	D	Prepared Prepared Prepared Prepared Prepared O2/11/16 11:01	Matrix: Analyzed 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 02/11/16 02:14 Analyzed 02/11/16 02:14 Analyzed 02/11/16 02:14	Dil Fac 1 </td

Client Sample ID: GW-060493-020416-CP-MW-9 Date Collected: 02/04/16 11:00 Date Received: 02/08/16 10:25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fa
o-Terphenyl	85		50 - 150	02/11/16 11:01	02/15/16 16:52	
n-Triacontane-d62	83		50 - 150	02/11/16 11:01	02/15/16 16:52	

Client Sample ID: GW-060493-020416-LB-VP-1 Date Collected: 02/04/16 12:37 Date Received: 02/08/16 10:25

Method: 8260C - Volatile O	rganic Compo	unds by G	C/MS						
Analyte	-	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.200	0.0320	ug/L			02/11/16 02:35	1
Ethylbenzene	ND		1.00	0.0860	ug/L			02/11/16 02:35	1
m,p-Xylene	ND		2.00	0.124	ug/L			02/11/16 02:35	1
o-Xylene	ND		1.00	0.0620	ug/L			02/11/16 02:35	1
Toluene	ND		1.00	0.0380	ug/L			02/11/16 02:35	1
Xylenes, Total	ND		3.00	0.0160	ug/L			02/11/16 02:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		70 - 140					02/11/16 02:35	1
4-Bromofluorobenzene (Surr)	96		68.7 - 141					02/11/16 02:35	1
Dibromofluoromethane (Surr)	108		71.2 - 143					02/11/16 02:35	1
Toluene-d8 (Surr)	97		74.1 - 135					02/11/16 02:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		100	17.8	ug/L			02/11/16 02:35	1
Surrogate 4-Bromofluorobenzene (Surr)	%Recovery 96	Qualifier	Limits 68.7 - 141				Prepared	Analyzed 02/11/16 02:35	Dil Fac

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	0.292		0.239	0.191	mg/L		02/11/16 11:01	02/15/16 17:09	1
Residual Range Organics (RRO) (C25-C36)	ND		0.382	0.286	mg/L		02/11/16 11:01	02/15/16 17:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	84		50 - 150				02/11/16 11:01	02/15/16 17:09	1
n-Triacontane-d62	82		50 - 150				02/11/16 11:01	02/15/16 17:09	1

Client Sample ID: GW-060493-020416-LB-VP-2 Date Collected: 02/04/16 13:07 Date Received: 02/08/16 10:25

Method: 8260C - Volatile C	Prganic Compounds by GC	/MS						
Analyte	Result Qualifier	RL	MDL U	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	0.200	0.0320 L	ug/L			02/11/16 02:55	1
Ethylbenzene	ND	1.00	0.0860 i	ug/L			02/11/16 02:55	1
m,p-Xylene	ND	2.00	0.124 ı	ug/L			02/11/16 02:55	1
o-Xylene	ND	1.00	0.0620 ι	ug/L			02/11/16 02:55	1
Toluene	ND	1.00	0.0380 i	ug/L			02/11/16 02:55	1
Xylenes, Total	ND	3.00	0.0160 L	ug/L			02/11/16 02:55	1

TestAmerica Spokane

Matrix: Water

Lab Sample ID: 590-2793-8

Client Sample ID: GW-060493-020416-LB-VP-2 Date Collected: 02/04/16 13:07 Date Received: 02/08/16 10:25

Lab Sample ID: 590-2793-8 Matrix: Water

> 5 6 7

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		70 - 140					02/11/16 02:55	
4-Bromofluorobenzene (Surr)	99		68.7 - 141					02/11/16 02:55	
Dibromofluoromethane (Surr)	101		71.2 - 143					02/11/16 02:55	
Toluene-d8 (Surr)	100		74.1 - 135					02/11/16 02:55	
Method: NWTPH-Gx - North Analyte		e Petroleu Qualifier	m Products (RL	• •	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline	ND		100	17.8	ug/L			02/11/16 02:55	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	99		68.7 - 141					02/11/16 02:55	
Method: NWTPH-Dx - North Analyte		Olatile Pe Qualifier	troleum Proc RL		<mark>C)</mark> Unit		Droporod	Analyzad	Dil Fa
•		Quaimer	0.237	0.190		D	Prepared 02/11/16 11:01	Analyzed 02/15/16 17:27	
Diesel Range Organics (DRO) (C10-C25)	0.455		0.237	0.190	mg/L		02/11/10 11.01	02/15/10 17.27	
Residual Range Organics (RRO) (C25-C36)	ND		0.379	0.284	mg/L		02/11/16 11:01	02/15/16 17:27	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
o-Terphenyl	86		50 - 150				02/11/16 11:01	02/15/16 17:27	
							00/11/10 11.01	00/15/16 17:07	
Client Sample ID: GW-06 Date Collected: 02/04/16 11:4	9	16-LB-VI	50 - 150 P-3				02/11/16 11:01	le ID: 590-2 Matrix	2793-9
Client Sample ID: GW-06 Pate Collected: 02/04/16 11:4 Pate Received: 02/08/16 10:2	60493-0204 9 5		P-3					le ID: 590-2	793-9
Client Sample ID: GW-06 ate Collected: 02/04/16 11:4 ate Received: 02/08/16 10:2 Method: 8260C - Volatile Or	60493-0204 9 5 ganic Compo		P-3	MDL	Unit	D		le ID: 590-2	2793-9 Wate
Client Sample ID: GW-06 ate Collected: 02/04/16 11:4 ate Received: 02/08/16 10:2 Method: 8260C - Volatile Org Analyte	60493-0204 9 5 ganic Compo	unds by C Qualifier	P-3 GC/MS	MDL 0.0320		<u>D</u>	Lab Samp	le ID: 590-2 Matrix	2793-9 Wate
Client Sample ID: GW-06 ate Collected: 02/04/16 11:4 ate Received: 02/08/16 10:24 Method: 8260C - Volatile Or Analyte Benzene	60493-0204 9 5 ganic Compo Result	unds by C Qualifier	P-3 GC/MS RL		ug/L	D	Lab Samp	le ID: 590-2 Matrix Analyzed	2793-9 Wate
Client Sample ID: GW-06 ate Collected: 02/04/16 11:4 ate Received: 02/08/16 10:24 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene	60493-0204 9 5 ganic Compo Result 0.137	unds by C Qualifier	P-3 GC/MS RL 0.200	0.0320	ug/L ug/L	D	Lab Samp	le ID: 590-2 Matrix Analyzed 02/11/16 03:16	2793-9 Wate
Client Sample ID: GW-06 ate Collected: 02/04/16 11:4 ate Received: 02/08/16 10:2 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene m,p-Xylene	60493-0204 9 5 ganic Compo Result 0.137 ND	unds by C Qualifier	P-3 SC/MS RL 0.200 1.00	0.0320 0.0860 0.124	ug/L ug/L ug/L	<u>D</u>	Lab Samp	le ID: 590-2 Matrix Analyzed 02/11/16 03:16 02/11/16 03:16	2793-S
Client Sample ID: GW-06 Pate Collected: 02/04/16 11:4 Pate Received: 02/08/16 10:2 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene m,p-Xylene o-Xylene	50493-0204 9 5 ganic Compo Result 0.137 ND ND ND	unds by C Qualifier J	P-3 SC/MS RL 0.200 1.00 2.00	0.0320 0.0860 0.124 0.0620	ug/L ug/L ug/L ug/L	<u>D</u>	Lab Samp	le ID: 590-2 Matrix <u>Analyzed</u> 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16	2793-S Wate
Client Sample ID: GW-06 ate Collected: 02/04/16 11:4 ate Received: 02/08/16 10:2 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene m,p-Xylene o-Xylene Toluene	60493-0204 9 5 ganic Compo Result 0.137 ND ND	unds by C Qualifier J	P-3 SC/MS RL 0.200 1.00 2.00 1.00	0.0320 0.0860 0.124	ug/L ug/L ug/L ug/L ug/L	D	Lab Samp	le ID: 590-2 Matrix <u>Analyzed</u> 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16	2793-9 Wate
Client Sample ID: GW-06 ate Collected: 02/04/16 11:4 ate Received: 02/08/16 10:2 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene m,p-Xylene o-Xylene Toluene Xylenes, Total	5 5 5 5 5 5 5 5 5 5 5 5 5 5	unds by G Qualifier J J	P-3 SC/MS RL 0.200 1.00 2.00 1.00 1.00 1.00	0.0320 0.0860 0.124 0.0620 0.0380	ug/L ug/L ug/L ug/L ug/L	D	Lab Samp	le ID: 590-2 Matrix <u>Analyzed</u> 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16	2793-S Wate
Client Sample ID: GW-06 Pate Collected: 02/04/16 11:4 Pate Received: 02/08/16 10:23 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene m,p-Xylene o-Xylene Toluene Xylenes, Total Surrogate	5 5 5 5 5 5 5 5 5 5 5 5 5 5	unds by G Qualifier J J	P-3 SC/MS RL 0.200 1.00 2.00 1.00 1.00 3.00	0.0320 0.0860 0.124 0.0620 0.0380	ug/L ug/L ug/L ug/L ug/L	D	Lab Samp	Analyzed 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16	Dil Fac
Client Sample ID: GW-06 Pate Collected: 02/04/16 11:4 Pate Received: 02/08/16 10:23 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene m,p-Xylene o-Xylene o-Xylene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr)	5 5 5 5 5 5 5 5 5 5 5 5 5 5	unds by G Qualifier J J	P-3 SC/MS RL 0.200 1.00 2.00 1.00 1.00 3.00 Limits	0.0320 0.0860 0.124 0.0620 0.0380	ug/L ug/L ug/L ug/L ug/L	<u>D</u>	Lab Samp	le ID: 590-2 Matrix <u>Analyzed</u> 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16	Dil Fa
Client Sample ID: GW-06 ate Collected: 02/04/16 11:4 ate Received: 02/08/16 10:23 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene m,p-Xylene o-Xylene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr)	50493-0204 9 5 ganic Compo Result 0.137 ND ND 0.260 ND %Recovery 107	unds by G Qualifier J J	P-3 SC/MS RL 0.200 1.00 2.00 1.00 3.00 Limits 70 - 140	0.0320 0.0860 0.124 0.0620 0.0380	ug/L ug/L ug/L ug/L ug/L	<u>D</u>	Lab Samp	le ID: 590-2 Matrix <u>Analyzed</u> 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 <u>Analyzed</u> 02/11/16 03:16	Dil Fa
Client Sample ID: GW-06 ate Collected: 02/04/16 11:4 ate Received: 02/08/16 10:23 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene m,p-Xylene o-Xylene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr)	50493-0204 9 5 ganic Compo Result 0.137 ND ND 0.260 ND 0.260 ND %Recovery 107 106	unds by G Qualifier J J	P-3 SC/MS RL 0.200 1.00 2.00 1.00 3.00 Limits 70 - 140 68.7 - 141	0.0320 0.0860 0.124 0.0620 0.0380	ug/L ug/L ug/L ug/L ug/L	<u>D</u>	Lab Samp	le ID: 590-2 Matrix Matrix	Dil Fa
Client Sample ID: GW-06 ate Collected: 02/04/16 11:4 ate Received: 02/08/16 10:23 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene m.p-Xylene o-Xylene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr)	50493-0204 9 5 ganic Compo Result 0.137 ND ND 0.260 ND 0.260 ND %Recovery 107 106 112 97	unds by G Qualifier J J Qualifier	P-3 SC/MS RL 0.200 1.00 2.00 1.00 1.00 3.00 Limits 70 - 140 68.7 - 141 71.2 - 143 74.1 - 135	0.0320 0.0860 0.124 0.0620 0.0380 0.0160	ug/L ug/L ug/L ug/L ug/L	<u>D</u>	Lab Samp	le ID: 590-2 Matrix 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16	Dil Fa
Client Sample ID: GW-06 ate Collected: 02/04/16 11:4 ate Received: 02/08/16 10:23 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene m,p-Xylene D-Xylene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: NWTPH-Gx - Northy Analyte	50493-0204 9 5 ganic Compo Result 0.137 ND ND 0.260 ND %Recovery 107 106 112 97 west - Volatile Result	unds by G Qualifier J J Qualifier	P-3 SC/MS RL 0.200 1.00 2.00 1.00 3.00 Limits 70 - 140 68.7 - 141 71.2 - 143 74.1 - 135 m Products RL	0.0320 0.0860 0.124 0.0620 0.0380 0.0160 (GC/MS) MDL	ug/L ug/L ug/L ug/L ug/L Ug/L	D	Lab Samp	le ID: 590-2 Matrix 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16	Dil Fa
n-Triacontane-d62 Client Sample ID: GW-06 Pate Collected: 02/04/16 11:4 Pate Received: 02/08/16 10:22 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene m,p-Xylene o-Xylene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: NWTPH-Gx - Northy Analyte Gasoline	50493-0204 9 5 ganic Compo Result 0.137 ND ND 0.260 ND %Recovery 107 106 112 97 west - Volatile	unds by G Qualifier J J Qualifier	P-3 SC/MS RL 0.200 1.00 2.00 1.00 3.00 Limits 70 - 140 68.7 - 141 71.2 - 143 74.1 - 135 m Products	0.0320 0.0860 0.124 0.0620 0.0380 0.0160 (GC/MS) MDL	ug/L ug/L ug/L ug/L ug/L		Lab Samp	le ID: 590-2 Matrix 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16	793-9
Client Sample ID: GW-06 bate Collected: 02/04/16 11:4 bate Received: 02/08/16 10:23 Method: 8260C - Volatile Org Analyte Benzene Ethylbenzene m,p-Xylene o-Xylene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: NWTPH-Gx - Northy Analyte	50493-0204 9 5 ganic Compo Result 0.137 ND ND 0.260 ND %Recovery 107 106 112 97 west - Volatile Result	unds by G Qualifier J J Qualifier	P-3 SC/MS RL 0.200 1.00 2.00 1.00 3.00 Limits 70 - 140 68.7 - 141 71.2 - 143 74.1 - 135 m Products RL	0.0320 0.0860 0.124 0.0620 0.0380 0.0160 (GC/MS) MDL	ug/L ug/L ug/L ug/L ug/L Ug/L		Lab Samp	le ID: 590-2 Matrix 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16 02/11/16 03:16	Dil Fac

Method: NWTPH-Dx - Northwest	- Semi-V	olatile Petro	oleum Prod	ucts (GC	C)				
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	0.433		0.237	0.189	mg/L		02/11/16 11:01	02/15/16 17:44	1
(C10-C25)									

Client Sample ID: GW-06	lient Sample ID: GW-060493-020416-LB-VP-3								Lab Sample ID: 590-2793-9				
Date Collected: 02/04/16 11:4								Matrix	Water				
Date Received: 02/08/16 10:2	5												
Method: NWTPH-Dx - North				•									
Analyte		Qualifier			Unit	D	Prepared	Analyzed	Dil Fac				
Residual Range Organics (RRO) (C25-C36)	ND		0.379	0.284	mg/L		02/11/16 11:01	02/15/16 17:44	1				
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac				
o-Terphenyl	82		50 - 150				02/11/16 11:01	02/15/16 17:44	1				
n-Triacontane-d62	83		50 - 150				02/11/16 11:01	02/15/16 17:44	1				
Client Sample ID: GW-06	60493-0204 [,]	16-LB-VI	D_4			L	ab Sample	e ID: 590-27	'93-10				
Date Collected: 02/04/16 11:1									Water				
Date Received: 02/08/16 10:2	5												
Method: 8260C - Volatile Or						_							
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac				
Benzene	ND		0.200	0.0320	-			02/11/16 03:36	1				
Ethylbenzene	ND		1.00	0.0860	-			02/11/16 03:36	1				
m,p-Xylene	ND		2.00	0.124	0			02/11/16 03:36	1				
o-Xylene	ND		1.00	0.0620	ug/L			02/11/16 03:36	1				
Toluene	ND		1.00	0.0380	ug/L			02/11/16 03:36	1				
Xylenes, Total	ND		3.00	0.0160	ug/L			02/11/16 03:36	1				
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac				
1,2-Dichloroethane-d4 (Surr)	106		70 - 140					02/11/16 03:36	1				
4-Bromofluorobenzene (Surr)	97		68.7 - 141					02/11/16 03:36	1				
Dibromofluoromethane (Surr)	109		71.2 - 143					02/11/16 03:36	1				
Toluene-d8 (Surr)	104		74.1 - 135					02/11/16 03:36	1				
Method: NWTPH-Gx - North	west - Volatile	e Petroleu	m Products	(GC/MS)									
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac				
Gasoline	ND		100	17.8	ug/L			02/11/16 03:36	1				
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac				
4-Bromofluorobenzene (Surr)	97		68.7 - 141					02/11/16 03:36	1				
Method: NWTPH-Dx - North	west - Semi-V	olatile Pe	troleum Proc										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac				
Diesel Range Organics (DRO) (C10-C25)	ND		0.237	0.190	mg/L		02/11/16 11:01	02/15/16 18:02	1				
Residual Range Organics (RRO) (C25-C36)	ND		0.379	0.285	mg/L		02/11/16 11:01	02/15/16 18:02	1				
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac				
o-Terphenyl	81		50 - 150				02/11/16 11:01	02/15/16 18:02	1				
n-Triacontane-d62	82		50 - 150				02/11/16 11:01	02/15/16 18:02	1				
Client Sample ID: GW-06	60493-0204 ⁻	16-LB-VI	D _5			L	ab Sample	e ID: 590-27	93-11				
Date Collected: 02/04/16 10:3	5								Water				
Date Received: 02/08/16 10:2	5												
Method: 8260C - Volatile Org	-	-		MO	Unit	~	Dropored	Apolyzad					
Analyte		Qualifier			Unit	D	Prepared	Analyzed	Dil Fac				
Benzene	ND		0.200	0.0320	ug/L			02/11/16 04:18	1				

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

Ethylbenzene

Client Sample ID: GW-060493-020416-I B-VP-3

02/11/16 04:18

1.00

ND

0.0860 ug/L

TestAmerica Job ID: 590-2793-1 Lab Sample ID: 590-2793-9

2/17/2016

1

RL

MDL Unit

D

Prepared

Analyte

Client Sample ID: GW-060493-020416-LB-VP-5 Date Collected: 02/04/16 10:35 Date Received: 02/08/16 10:25

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

Result Qualifier

Lab Sample ID: 590-2793-11 Matrix: Water

Analyzed

93-11 Water	
Dil Fac	5
1	
1 1	7
Dil Fac 1	8
1 1	9
1	10
Dil Fac	
Dil Fac	
1	13

			=	==	0	-	ricpurcu	Analyzea		
m,p-Xylene	ND		2.00	0.124	ug/L			02/11/16 04:18	1	2
o-Xylene	ND		1.00	0.0620	ug/L			02/11/16 04:18	1	
Toluene	ND		1.00	0.0380	ug/L			02/11/16 04:18	1	2
Xylenes, Total	ND		3.00	0.0160	ug/L			02/11/16 04:18	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	ī
1,2-Dichloroethane-d4 (Surr)	107		70 - 140					02/11/16 04:18	1	
4-Bromofluorobenzene (Surr)	100		68.7 - 141					02/11/16 04:18	1	
Dibromofluoromethane (Surr)	99		71.2 - 143					02/11/16 04:18	1	
Toluene-d8 (Surr)	100		74.1 - 135					02/11/16 04:18	1	
_ Method: NWTPH-Gx - North	wost - Volatil	Potrolou	m Producte /							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline	ND		100	17.8	ug/L			02/11/16 04:18	1	
Gasoline	ND		100	17.0	ug/L			02/11/10 04.10		
Surrogate	%Recovery	Qualifier	Limits	17.0	ug/L		Prepared	Analyzed	Dil Fac	
		Qualifier		17.0	ug/L		Prepared		Dil Fac	
Surrogate 4-Bromofluorobenzene (Surr)	%Recovery 100		Limits 68.7 - 141		-		Prepared	Analyzed	Dil Fac	
Surrogate	<u>%Recovery</u> 100 west - Semi-V		Limits 68.7 - 141		C)	D	Prepared Prepared	Analyzed	Dil Fac	
Surrogate 4-Bromofluorobenzene (Surr) Method: NWTPH-Dx - North	<u>%Recovery</u> 100 west - Semi-V	olatile Pe	Limits 68.7 - 141	lucts (G(C) Unit	<u>D</u>		Analyzed 02/11/16 04:18	1	•
Surrogate 4-Bromofluorobenzene (Surr) Method: NWTPH-Dx - North Analyte Diesel Range Organics (DRO)		olatile Pe	Limits 68.7 - 141 troleum Prod RL	lucts (G(MDL	C) Unit mg/L	D	Prepared	Analyzed 02/11/16 04:18 Analyzed	1	
Surrogate 4-Bromofluorobenzene (Surr) Method: NWTPH-Dx - North Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO)	West - Semi-V Result	Olatile Pe Qualifier	Limits 68.7 - 141 troleum Prod RL 0.236	lucts (G(MDL 0.189	C) Unit mg/L	D	Prepared 02/11/16 11:01	Analyzed 02/11/16 04:18 Analyzed 02/15/16 18:19	1 Dil Fac 1	
Surrogate 4-Bromofluorobenzene (Surr) Method: NWTPH-Dx - Northy Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)	West - Semi-V Result	Olatile Pe Qualifier	Limits 68.7 - 141 troleum Prod RL 0.236 0.378	lucts (G(MDL 0.189	C) Unit mg/L	D	Prepared 02/11/16 11:01 02/11/16 11:01	Analyzed 02/11/16 04:18 Analyzed 02/15/16 18:19 02/15/16 18:19	1 Dil Fac 1	
Surrogate 4-Bromofluorobenzene (Surr) Method: NWTPH-Dx - Northy Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate	%Recovery 100 west - Semi-V Result ND %Recovery	Olatile Pe Qualifier	Limits 68.7 - 141 troleum Prod RL 0.236 0.378 Limits	lucts (G(MDL 0.189	C) Unit mg/L	D	Prepared 02/11/16 11:01 02/11/16 11:01 Prepared 02/11/16 11:01	Analyzed 02/11/16 04:18 Analyzed 02/15/16 18:19 02/15/16 18:19 Analyzed	1 Dil Fac 1	

Client Sample ID: GW-060493-020416-CP-VP-6 Date Collected: 02/04/16 13:48 Date Received: 02/08/16 10:25

Lab Sample ID: 590-2793-12 Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.200	0.0320	ug/L			02/11/16 04:38	1
Ethylbenzene	ND		1.00	0.0860	ug/L			02/11/16 04:38	1
m,p-Xylene	ND		2.00	0.124	ug/L			02/11/16 04:38	1
o-Xylene	ND		1.00	0.0620	ug/L			02/11/16 04:38	1
Toluene	ND		1.00	0.0380	ug/L			02/11/16 04:38	1
Xylenes, Total	ND		3.00	0.0160	ug/L			02/11/16 04:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		70 - 140					02/11/16 04:38	1
4-Bromofluorobenzene (Surr)	105		68.7 - 141					02/11/16 04:38	1
Dibromofluoromethane (Surr)	105		71.2 - 143					02/11/16 04:38	1
Toluene-d8 (Surr)	104		74.1 - 135					02/11/16 04:38	1

н										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Gasoline	ND		100	17.8	ug/L			02/11/16 04:38	1

Client Sample ID: GW-060 Date Collected: 02/04/16 13:48 Date Received: 02/08/16 10:25	493-0204′	16-CP-V	P-6			L	.ab Sample	e ID: 590-27 Matrix	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		68.7 - 141				·	02/11/16 04:38	1
Method: NWTPH-Dx - Northwe						_			
Analyte		Qualifier			Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.237	0.190	mg/L		02/11/16 11:01	02/15/16 18:37	1
Residual Range Organics (RRO) (C25-C36)	ND		0.380	0.285	mg/L		02/11/16 11:01	02/15/16 18:37	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
o-Terphenyl	86		50 - 150				02/11/16 11:01	02/15/16 18:37	
n-Triacontane-d62	82		50 - 150				02/11/16 11:01	02/15/16 18:37	1
Client Sample ID: GW-060 Date Collected: 02/04/16 13:36 Date Received: 02/08/16 10:25						L	ab Sample	e ID: 590-27 Matrix	
Method: 8260C - Volatile Orga Analyte		unds by C Qualifier	C/MS RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	84.4		0.200	0.0320				02/11/16 04:59	
Ethylbenzene	18.6		1.00	0.0860	-			02/11/16 04:59	
m,p-Xylene	17.1		2.00	0.124	-			02/11/16 04:59	
o-Xylene	3.92		1.00	0.0620	0			02/11/16 04:59	
Toluene	18.3		1.00	0.0380	-			02/11/16 04:59	
Xylenes, Total	21.1		3.00	0.0160	ug/L			02/11/16 04:59	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,2-Dichloroethane-d4 (Surr)	105		70 - 140					02/11/16 04:59	
4-Bromofluorobenzene (Surr)	100		68.7 - 141					02/11/16 04:59	
Dibromofluoromethane (Surr)	106		71.2 - 143					02/11/16 04:59	
Toluene-d8 (Surr)	95		74.1 - 135					02/11/16 04:59	
Method: NWTPH-Gx - Northwe			m Products (
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
Gasoline	565		100	17.8	ug/L			02/15/16 12:37	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	92		68.7 - 141					02/15/16 12:37	
Method: NWTPH-Dx - Northwe		Olatile Pe Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics (DRO)	0.420		0.238	0.190	mg/L	_	02/11/16 11:01	02/15/16 18:54	
(C10-C25) Residual Range Organics (RRO) (C25-C36)	0.335	J	0.380	0.285	mg/L		02/11/16 11:01	02/15/16 18:54	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
o-Terphenyl	89		50 - 150				02/11/16 11:01	02/15/16 18:54	
n-Triacontane-d62	87		50 - 150				02/11/16 11:01		

2/17/2016

RL

MDL Unit

D

Prepared

Analyte

Client Sample ID: GW-060493-020416-LB-VP-8 Date Collected: 02/04/16 09:37 Date Received: 02/08/16 10:25

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

Result Qualifier

Lab Sample ID: 590-2 Matri

Analyzed

	93-14 Water	
	Dil Fac	Ę
9	1	
9	1	
9	1	_
9	1	5
9	1	
9	1	5
9	Dil Fac	Q
9	1	
9	1	
9	1	
9	Dil Fac	1
_	Dil Fac	1
9	1	

Analyte	Result								
Benzene	ND		0.200	0.0320	ug/L			02/11/16 05:19	1
Ethylbenzene	ND		1.00	0.0860	ug/L			02/11/16 05:19	1
m,p-Xylene	ND		2.00	0.124	ug/L			02/11/16 05:19	1
o-Xylene	ND		1.00	0.0620	ug/L			02/11/16 05:19	1
Toluene	ND		1.00	0.0380	ug/L			02/11/16 05:19	1
Xylenes, Total	ND		3.00	0.0160	ug/L			02/11/16 05:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		70 - 140					02/11/16 05:19	1
4-Bromofluorobenzene (Surr)	101		68.7 - 141					02/11/16 05:19	1
Dibromofluoromethane (Surr)	105		71.2 - 143					02/11/16 05:19	1
Toluene-d8 (Surr)	95		74.1 - 135					02/11/16 05:19	1
Method: NWTPH-Gx - Northy Analyte		e <mark>Petroleu</mark> Qualifier	m Products (RL	MDL		D	Prepared	Analyzed	Dil Fac
Analyte	Result		RL	MDL		D	Prepared	-	Dil Fac
				MDL	Unit ug/L	D	Prepared	Analyzed 02/11/16 05:19	Dil Fac
Analyte Gasoline Surrogate	Result ND %Recovery	Qualifier	RL 100 <i>Limits</i>	MDL		D	Prepared Prepared	02/11/16 05:19 Analyzed	Dil Fac 1 Dil Fac
Analyte Gasoline	_ Result	Qualifier	RL 100	MDL		D	.	02/11/16 05:19	1
Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr)	Result ND %Recovery 101	Qualifier Qualifier	RL 100 Limits 68.7 - 141	MDL 17.8	ug/L	<u>D</u>	.	02/11/16 05:19 Analyzed	1
Analyte Gasoline Surrogate	Result ND %Recovery 101 west - Semi-V	Qualifier Qualifier	RL 100 Limits 68.7 - 141	MDL 17.8	ug/L	D	.	02/11/16 05:19 Analyzed	1
Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr) Method: NWTPH-Dx - Northy	Result ND %Recovery 101 west - Semi-V	Qualifier Qualifier	- <u>RL</u> 100 - <u>Limits</u> 68.7 - 141 troleum Proc	<u>MDL</u> 17.8	ug/L C) Unit		Prepared	02/11/16 05:19 Analyzed 02/11/16 05:19	1 Dil Fac 1
Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr) Method: NWTPH-Dx - Northy Analyte Diesel Range Organics (DRO)	Result ND %Recovery 101 west - Semi-V Result	Qualifier Qualifier	RL 100 - Limits 68.7 - 141 troleum Proc RL	MDĽ 17.8 Iucts (G(MDL	Unit mg/L		Prepared Prepared 02/11/16 11:01	02/11/16 05:19 Analyzed 02/11/16 05:19 Analyzed	1 Dil Fac 1
Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr) Method: NWTPH-Dx - Northy Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO)	Result ND %Recovery 101 west - Semi-V Result 0.263	Qualifier Qualifier Olatile Pe Qualifier	RL 100 Limits 68.7 - 141 troleum Proc RL 0.237	MDL 17.8 Iucts (G(MDL 0.190	Unit mg/L		Prepared Prepared 02/11/16 11:01	02/11/16 05:19 Analyzed 02/11/16 05:19 Analyzed 02/15/16 19:12	1 <i>Dil Fac</i> 1 Dil Fac 1
Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr) Method: NWTPH-Dx - Northy Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)	Result ND %Recovery 101 west - Semi-V Result 0.263 ND	Qualifier Qualifier Olatile Pe Qualifier	RL 100 Limits 68.7 - 141 troleum Proc 0.237 0.379	MDL 17.8 Iucts (G(MDL 0.190	Unit mg/L		Prepared Prepared 02/11/16 11:01 02/11/16 11:01	02/11/16 05:19 Analyzed 02/11/16 05:19 Analyzed 02/15/16 19:12 02/15/16 19:12	1 <i>Dil Fac</i> 1 Dil Fac 1 1

Client Sample ID: Lab Control Sample

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Type: Total/NA

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

Lab Sample ID: MB 590-5365/5

Matrix: Water Analysis Batch: 5365

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.200	0.0320	ug/L			02/11/16 00:10	1
Ethylbenzene	ND		1.00	0.0860	ug/L			02/11/16 00:10	1
m,p-Xylene	ND		2.00	0.124	ug/L			02/11/16 00:10	1
o-Xylene	ND		1.00	0.0620	ug/L			02/11/16 00:10	1
Toluene	ND		1.00	0.0380	ug/L			02/11/16 00:10	1
Xylenes, Total	ND		3.00	0.0160	ug/L			02/11/16 00:10	1
	МВ	МВ							

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	109		70 - 140		02/11/16 00:10	1	
4-Bromofluorobenzene (Surr)	94		68.7 - 141		02/11/16 00:10	1	
Dibromofluoromethane (Surr)	105		71.2 - 143		02/11/16 00:10	1	
Toluene-d8 (Surr)	106		74.1 - 135		02/11/16 00:10	1	

Lab Sample ID: LCS 590-5365/1003 Matrix: Water Analysis Batch: 5365

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	10.0	9.908		ug/L		99	80 - 140	
Ethylbenzene	10.0	9.651		ug/L		97	80 - 120	
m,p-Xylene	10.0	9.946		ug/L		99	80 - 120	
o-Xylene	10.0	9.619		ug/L		96	80 - 120	
Toluene	10.0	9.827		ug/L		98	80 - 123	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		70 - 140
4-Bromofluorobenzene (Surr)	104		68.7 - 141
Dibromofluoromethane (Surr)	107		71.2 - 143
Toluene-d8 (Surr)	97		74.1 - 135

Lab Sample ID: MB 590-5410/12 **Matrix: Water** Analysis Batch: 5410

MR MR							
sult Qual	lifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ND	0.200	0.0320	ug/L			02/15/16 15:47	1
ND	1.00	0.0860	ug/L			02/15/16 15:47	1
ND	2.00	0.124	ug/L			02/15/16 15:47	1
ND	1.00	0.0620	ug/L			02/15/16 15:47	1
091 J	1.00	0.0380	ug/L			02/15/16 15:47	1
ND	3.00	0.0160	ug/L			02/15/16 15:47	1
MB MB							
very Qual	lifier Limits				Prepared	Analyzed	Dil Fac
102	70 - 140			-		02/15/16 15:47	1
97	68.7 - 141					02/15/16 15:47	1
107	71.2 - 143					02/15/16 15:47	1
99	74.1 - 135					02/15/16 15:47	1
	Qua ND ND ND ND ND 3091 J ND MB very 102 97 107	Qualifier RL ND 0.200 ND 1.00 ND 2.00 ND 1.00 S091 1.00 3091 1.00 ND 3.00 MB MB Yery Qualifier Limits 102 68.7.141 71.2.143	Qualifier RL MDL ND 0.200 0.0320 ND 1.00 0.0860 ND 2.00 0.124 ND 1.00 0.0620 3091 J 1.00 0.0380 ND 3.00 0.0160 MB MB MB Top 140 97 68.7 - 141 71.2 - 143	Qualifier RL MDL Unit ND 0.200 0.0320 ug/L ND 1.00 0.0860 ug/L ND 2.00 0.124 ug/L ND 1.00 0.0620 ug/L ND 1.00 0.0620 ug/L ND 3.00 0.0160 ug/L ND 3.00 0.0160 ug/L MB MB 70 - 140 0.0160 ug/L 97 68.7 - 141 107 71.2 - 143	Baselit ND Qualifier RL 0.200 MDL 0.0320 Unit ug/L D ND 1.00 0.0860 ug/L 0.00000 0.00000 0.00000	Qualifier RL MDL Unit D Prepared ND 0.200 0.0320 ug/L 0	Qualifier RL MDL Unit D Prepared Analyzed ND 0.200 0.0320 ug/L 02/15/16 15:47 02/15/16 15:47 ND 1.00 0.0860 ug/L 02/15/16 15:47 02/15/16 15:47 ND 2.00 0.124 ug/L 02/15/16 15:47 02/15/16 15:47 ND 1.00 0.0620 ug/L 02/15/16 15:47 02/15/16 15:47 ND 1.00 0.0620 ug/L 02/15/16 15:47 02/15/16 15:47 3091 J 1.00 0.0380 ug/L 02/15/16 15:47 02/15/16 15:47 ND 3.00 0.0160 ug/L 02/15/16 15:47 02/15/16 15:47 MB MB Prepared Analyzed 102 70 - 140 70 - 140 02/15/16 15:47 02/15/16 15:47 97 68.7 - 141 02/15/16 15:47 02/15/16 15:47 107 71.2 - 143 02/15/16 15:47 02/15/16 15:47

TestAmerica Spokane

Client Sample ID: Method Blank Prep Type: Total/NA 5

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

Lab Sample ID: LCS 590-54 Matrix: Water	10/1003					Cli	ent Sa	mple ID): Lab Control Prep Type: 1	
Analysis Batch: 5410										
			Spike	LCS	LCS				%Rec.	
Analyte			Added	Result	Qualifie	r Unit	D	%Rec	Limits	
Benzene			10.0	9.542		ug/L		95	80 - 140	
Ethylbenzene			10.0	9.569		ug/L		96	80 - 120	
n,p-Xylene			10.0	9.561		ug/L		96	80 - 120	
o-Xylene			10.0	10.03		ug/L		100	80 - 120	
Toluene			10.0	9.511		ug/L		95	80 - 123	
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
1,2-Dichloroethane-d4 (Surr)	100		70 - 140							
4-Bromofluorobenzene (Surr)	91		68.7 - 141							
Dibromofluoromethane (Surr)	102		71.2 - 143							
Toluene-d8 (Surr)	99		74.1 - 135							
lethod: NWTPH-Gx - No		- Volatil	e Petrole	um Proc	lucts (GC/MS				
_ab Sample ID: MB 590-536	6/5						Clie	ent San	nple ID: Metho	
Matrix: Water									Prep Type: 1	otal/N
Analysis Batch: 5366										
		MB MB								
Analyte	Re	sult Qualifi	er	RL I	MDL Uni	t	D P	Prepared	Analyzed	Dil Fa
Gasoline		ND		100	17.8 ug/	L			02/11/16 00:10)

			0			
	MB MB					
Surrogate	%Recovery Qualifier	Limits		Prepared	Analvzed	Dil Fac
Surroyale	%Recovery Qualifier	LIIIIIIS		Fiepaieu	Allalyzeu	Dirrac

Lab Sample ID: LCS 590-5366/1004 Matrix: Water Analysis Batch: 5366

· ····· , ··· · ····			Spike	LCS	LCS				%Rec.	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline			998	1006		ug/L		101	80 - 120	
	LCS LC	s								
Surrogate	%Recovery Qu	alifier	Limits							
4-Bromofluorobenzene (Surr)	96		68.7 - 141							
Matrix: Water Analysis Batch: 5411	ME	3 MB							Prep Type: To	otal/NA
Analyte		t Qualifier		RL	MDL Unit		D P	repared	Analyzed	Dil Fac
Gasoline	ND	<u> </u>		100	17.8 ug/L				02/15/16 15:47	1
	ME	B MB								
Surrogate	%Recovery	/ Qualifie	r Limi	its			Р	repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97	7	68.7 -	141					02/15/16 15:47	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

5

8

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

								Prep Type: Total/N
		Spike	LCS	LCS				%Rec.
		Added	Result	Qualifier	Unit	D	%Rec	Limits
		998	1050		ug/L		105	80 - 120
LCS	LCS							
%Recovery	Qualifier	Limits						
100		68.7 - 141						
-	%Recovery	LCS LCS %Recovery Qualifier	LCS LCS %Recovery Qualifier Limits	LCS LCS %Recovery Qualifier Limits	LCS LCS %Recovery Qualifier Limits	Spike LCS LCS Added Result Qualifier Unit 998 1050 ug/L LCS LCS %Recovery Qualifier Limits	SpikeLCSLCSAddedResultQualifierUnitD99810501050ug/LDLCSLCS%RecoveryQualifierLimits	Spike LCS LCS Added Result Qualifier Unit D %Rec 998 1050 ug/L D 105 LCS LCS LCS %Recovery Qualifier Limits

Lab Sample ID: MB 590-5371/ Matrix: Water	1-A							le ID: Method Prep Type: To	
Analysis Batch: 5405	МВ	мв					· · · · · ·	Prep Batch	
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.250	0.200	mg/L		02/11/16 11:01	02/15/16 13:32	1
Residual Range Organics (RRO) (C25-C36)	ND		0.400	0.300	mg/L		02/11/16 11:01	02/15/16 13:32	1

	MB	MB	
Surrogate	%Recovery	Qualifier	Limits
o-Terphenyl	87		50 - 150
n-Triacontane-d62	84		50 - 150

Lab Sample ID: LCS 590-5371/2-A Matrix: Water Analysis Batch: 5405

Analysis Batch: 5405								Batch: 5	
	Spike	LCS	LCS				%Rec.		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Diesel Range Organics (DRO)	1.01	0.9504		mg/L		95	50 - 150		
(C10-C25)									
Residual Range Organics (RRO)	1.03	1.045		mg/L		102	50 - 150		
(C25-C36)									

		LCS	
Surrogate	%Recovery	Qualifier	Limits
o-Terphenyl	88		50 - 150
n-Triacontane-d62	88		50 - 150

Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 5371

02/11/16 11:01 02/15/16 13:32

02/11/16 11:01 02/15/16 13:32

Analyzed

Dil Fac

1

1

Prepared

TestAmerica Spokane

QC Association Summary

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

GC/MS VOA

Analysis Batch: 5365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-2793-1	GW-060493-020416-LB-MW-1	Total/NA	Water	8260C	
590-2793-2	GW-060493-020416-CP-MW-2	Total/NA	Water	8260C	
590-2793-3	GW-060493-020416-LB-MW-3	Total/NA	Water	8260C	
590-2793-4	GW-060493-020416-CP-MW-6	Total/NA	Water	8260C	
590-2793-5	GW-060493-020416-CP-MW-8	Total/NA	Water	8260C	
590-2793-6	GW-060493-020416-CP-MW-9	Total/NA	Water	8260C	
590-2793-7	GW-060493-020416-LB-VP-1	Total/NA	Water	8260C	
590-2793-8	GW-060493-020416-LB-VP-2	Total/NA	Water	8260C	
590-2793-9	GW-060493-020416-LB-VP-3	Total/NA	Water	8260C	
590-2793-10	GW-060493-020416-LB-VP-4	Total/NA	Water	8260C	
590-2793-11	GW-060493-020416-LB-VP-5	Total/NA	Water	8260C	
590-2793-12	GW-060493-020416-CP-VP-6	Total/NA	Water	8260C	
590-2793-13	GW-060493-020416-LB-VP-7	Total/NA	Water	8260C	
590-2793-14	GW-060493-020416-LB-VP-8	Total/NA	Water	8260C	
LCS 590-5365/1003	Lab Control Sample	Total/NA	Water	8260C	
MB 590-5365/5	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 5366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-2793-1	GW-060493-020416-LB-MW-1	Total/NA	Water	NWTPH-Gx	
590-2793-2	GW-060493-020416-CP-MW-2	Total/NA	Water	NWTPH-Gx	
590-2793-3	GW-060493-020416-LB-MW-3	Total/NA	Water	NWTPH-Gx	
590-2793-4	GW-060493-020416-CP-MW-6	Total/NA	Water	NWTPH-Gx	
590-2793-5	GW-060493-020416-CP-MW-8	Total/NA	Water	NWTPH-Gx	
590-2793-6	GW-060493-020416-CP-MW-9	Total/NA	Water	NWTPH-Gx	
590-2793-7	GW-060493-020416-LB-VP-1	Total/NA	Water	NWTPH-Gx	
590-2793-8	GW-060493-020416-LB-VP-2	Total/NA	Water	NWTPH-Gx	
590-2793-9	GW-060493-020416-LB-VP-3	Total/NA	Water	NWTPH-Gx	
590-2793-10	GW-060493-020416-LB-VP-4	Total/NA	Water	NWTPH-Gx	
590-2793-11	GW-060493-020416-LB-VP-5	Total/NA	Water	NWTPH-Gx	
590-2793-12	GW-060493-020416-CP-VP-6	Total/NA	Water	NWTPH-Gx	
590-2793-14	GW-060493-020416-LB-VP-8	Total/NA	Water	NWTPH-Gx	
LCS 590-5366/1004	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
MB 590-5366/5	Method Blank	Total/NA	Water	NWTPH-Gx	

Analysis Batch: 5410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-2793-4	GW-060493-020416-CP-MW-6	Total/NA	Water	8260C	
LCS 590-5410/1003	Lab Control Sample	Total/NA	Water	8260C	
MB 590-5410/12	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 5411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-2793-13	GW-060493-020416-LB-VP-7	Total/NA	Water	NWTPH-Gx	
LCS 590-5411/1004	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
MB 590-5411/12	Method Blank	Total/NA	Water	NWTPH-Gx	

QC Association Summary

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

GC Semi VOA

Prep Batch: 5371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-2793-1	GW-060493-020416-LB-MW-1	Total/NA	Water	3510C	
590-2793-2	GW-060493-020416-CP-MW-2	Total/NA	Water	3510C	
590-2793-3	GW-060493-020416-LB-MW-3	Total/NA	Water	3510C	
590-2793-4	GW-060493-020416-CP-MW-6	Total/NA	Water	3510C	
590-2793-5	GW-060493-020416-CP-MW-8	Total/NA	Water	3510C	
590-2793-6	GW-060493-020416-CP-MW-9	Total/NA	Water	3510C	
590-2793-7	GW-060493-020416-LB-VP-1	Total/NA	Water	3510C	
590-2793-8	GW-060493-020416-LB-VP-2	Total/NA	Water	3510C	
590-2793-9	GW-060493-020416-LB-VP-3	Total/NA	Water	3510C	
590-2793-10	GW-060493-020416-LB-VP-4	Total/NA	Water	3510C	
590-2793-11	GW-060493-020416-LB-VP-5	Total/NA	Water	3510C	
590-2793-12	GW-060493-020416-CP-VP-6	Total/NA	Water	3510C	
590-2793-13	GW-060493-020416-LB-VP-7	Total/NA	Water	3510C	
590-2793-14	GW-060493-020416-LB-VP-8	Total/NA	Water	3510C	
LCS 590-5371/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 590-5371/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 5405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-2793-1	GW-060493-020416-LB-MW-1	Total/NA	Water	NWTPH-Dx	5371
590-2793-2	GW-060493-020416-CP-MW-2	Total/NA	Water	NWTPH-Dx	5371
590-2793-3	GW-060493-020416-LB-MW-3	Total/NA	Water	NWTPH-Dx	5371
590-2793-4	GW-060493-020416-CP-MW-6	Total/NA	Water	NWTPH-Dx	5371
590-2793-5	GW-060493-020416-CP-MW-8	Total/NA	Water	NWTPH-Dx	5371
590-2793-6	GW-060493-020416-CP-MW-9	Total/NA	Water	NWTPH-Dx	5371
590-2793-7	GW-060493-020416-LB-VP-1	Total/NA	Water	NWTPH-Dx	5371
590-2793-8	GW-060493-020416-LB-VP-2	Total/NA	Water	NWTPH-Dx	5371
590-2793-9	GW-060493-020416-LB-VP-3	Total/NA	Water	NWTPH-Dx	5371
590-2793-10	GW-060493-020416-LB-VP-4	Total/NA	Water	NWTPH-Dx	5371
590-2793-11	GW-060493-020416-LB-VP-5	Total/NA	Water	NWTPH-Dx	5371
590-2793-12	GW-060493-020416-CP-VP-6	Total/NA	Water	NWTPH-Dx	5371
590-2793-13	GW-060493-020416-LB-VP-7	Total/NA	Water	NWTPH-Dx	5371
590-2793-14	GW-060493-020416-LB-VP-8	Total/NA	Water	NWTPH-Dx	5371
LCS 590-5371/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	5371
MB 590-5371/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	5371

Client Sample ID: GW-060493-020416-LB-MW-1

Date Collected: 02/04/16 09:04 Date Received: 02/08/16 10:25

Prep Type Total/NA	Batch Type Analysis	Batch Method 8260C	Run	Dil Factor	Initial Amount 43 mL	Final Amount 43 mL	Batch Number 5365	Prepared or Analyzed 02/11/16 00:31	Analyst MRS	Lab TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	5366	02/11/16 00:31	MRS	TAL SPK
Total/NA Total/NA	Prep Analysis	3510C NWTPH-Dx		1	1053.1 mL 1053.1 mL	5 mL 5 mL	5371 5405	02/11/16 11:01 02/15/16 15:03	NMI NMI	TAL SPK TAL SPK

Client Sample ID: GW-060493-020416-CP-MW-2 Date Collected: 02/04/16 13:12 Date Received: 02/08/16 10:25

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	5365	02/11/16 00:51	MRS	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	5366	02/11/16 00:51	MRS	TAL SPK
Total/NA	Prep	3510C			1051.7 mL	5 mL	5371	02/11/16 11:01	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1	1051.7 mL	5 mL	5405	02/15/16 15:21	NMI	TAL SPK

Client Sample ID: GW-060493-020416-LB-MW-3 Date Collected: 02/04/16 10:08 Date Received: 02/08/16 10:25

Prep Type Total/NA	Batch Type Analysis	Batch Method 8260C	Run	Dil Factor	Initial Amount 43 mL	Final Amount 43 mL	Batch Number 5365	Prepared or Analyzed 02/11/16 01:12	Analyst MRS	Lab TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	5366	02/11/16 01:12	MRS	TAL SPK
Total/NA Total/NA	Prep Analysis	3510C NWTPH-Dx		1	1055.2 mL 1055.2 mL	5 mL 5 mL	5371 5405	02/11/16 11:01 02/15/16 15:39	NMI NMI	TAL SPK TAL SPK

Client Sample ID: GW-060493-020416-CP-MW-6 Date Collected: 02/04/16 11:35 Date Received: 02/08/16 10:25

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Amount Amount Number or Analyzed Analyst Run Factor Lab Total/NA 8260C 43 mL 5365 02/11/16 01:33 MRS Analysis 43 mL TAL SPK 1 Total/NA Analysis 8260C 10 43 mL 43 mL 5410 02/15/16 12:16 CBW TAL SPK Total/NA Analysis NWTPH-Gx 43 mL 43 mL 5366 02/11/16 01:33 MRS TAL SPK 1 Total/NA Prep 3510C 1054.1 mL 5 mL 5371 02/11/16 11:01 NMI TAL SPK Total/NA 5405 TAL SPK Analysis NWTPH-Dx 1 1054.1 mL 5 mL 02/15/16 15:57 NMI

Client Sample ID: GW-060493-020416-CP-MW-8 Date Collected: 02/04/16 12:20 Date Received: 02/08/16 10:25

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	5365	02/11/16 01:53	MRS	TAL SPK

TestAmerica Spokane

Lab Sample ID: 590-2793-5

5

Lab Sample ID: 590-2793-3 Matrix: Water

Lab Sample ID: 590-2793-4 Matrix: Water

Matrix: Water

Lab Sample ID: 590-2793-1

Matrix: Water

TestAmerica Job ID: 590-2793-1

Lab Sample ID: 590-2793-2 Matrix: Water

Lab Sample ID: 590-2793-5

Lab Sample ID: 590-2793-6

Matrix: Water

Matrix: Water

Client Sample ID: GW-060493-020416-CP-MW-8

Date Collected: 02/04/16 12:20 Date Received: 02/08/16 10:25

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	5366	02/11/16 01:53	MRS	TAL SPK
Total/NA	Prep	3510C			1056.7 mL	5 mL	5371	02/11/16 11:01	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1	1056.7 mL	5 mL	5405	02/15/16 16:16	NMI	TAL SPK

Client Sample ID: GW-060493-020416-CP-MW-9 Date Collected: 02/04/16 11:00 Date Received: 02/08/16 10:25

Γ	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	5365	02/11/16 02:14	MRS	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	5366	02/11/16 02:14	MRS	TAL SPK
Total/NA	Prep	3510C			1051.8 mL	5 mL	5371	02/11/16 11:01	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1	1051.8 mL	5 mL	5405	02/15/16 16:52	NMI	TAL SPK

Client Sample ID: GW-060493-020416-LB-VP-1 Date Collected: 02/04/16 12:37 Date Received: 02/08/16 10:25

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	5365	02/11/16 02:35	MRS	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	5366	02/11/16 02:35	MRS	TAL SPK
Total/NA	Prep	3510C			1047.9 mL	5 mL	5371	02/11/16 11:01	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1	1047.9 mL	5 mL	5405	02/15/16 17:09	NMI	TAL SPK

Client Sample ID: GW-060493-020416-LB-VP-2 Date Collected: 02/04/16 13:07 Date Received: 02/08/16 10:25

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Typ	е Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	5365	02/11/16 02:55	MRS	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	5366	02/11/16 02:55	MRS	TAL SPK
Total/NA Total/NA	Prep Analysis	3510C NWTPH-Dx		1	1054.5 mL 1054.5 mL	5 mL 5 mL	5371 5405	02/11/16 11:01 02/15/16 17:27		TAL SPK TAL SPK

Client Sample ID: GW-060493-020416-LB-VP-3 Date Collected: 02/04/16 11:49 Date Received: 02/08/16 10:25

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	5365	02/11/16 03:16	MRS	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	5366	02/11/16 03:16	MRS	TAL SPK
Total/NA	Prep	3510C			1056 mL	5 mL	5371	02/11/16 11:01	NMI	TAL SPK

TestAmerica Spokane

Lab Sample ID: 590-2793-7

Lab Sample ID: 590-2793-8

Lab Sample ID: 590-2793-9

Matrix: Water

Matrix: Water

Matrix: Water

Image: Constraint of the second state of the second sta

02/15/16 18:02 NMI TAL SPK Lab Sample ID: 590-2793-11 Matrix: Water

Client Sample ID: GW-060493-020416-LB-VP-3

Date Collected: 02/04/16 11:49 Date Received: 02/08/16 10:25

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Dx		1	1056 mL	5 mL	5405	02/15/16 17:44	NMI	TAL SPK

Lab Chronicle

Client Sample ID: GW-060493-020416-LB-VP-4 Date Collected: 02/04/16 11:11 Date Received: 02/08/16 10:25

Prep Type Total/NA	Batch Type Analysis	Batch Method 8260C	Run	Dil Factor	Initial Amount 43 mL	Final Amount 43 mL	Batch Number 5365	Prepared or Analyzed 02/11/16 03:36	Analyst MRS	Lab TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	5366	02/11/16 03:36	MRS	TAL SPK
Total/NA Total/NA	Prep Analysis	3510C NWTPH-Dx		1	1054.1 mL 1054.1 mL	5 mL 5 mL	5371 5405	02/11/16 11:01 02/15/16 18:02	NMI NMI	TAL SPK TAL SPK

Client Sample ID: GW-060493-020416-LB-VP-5 Date Collected: 02/04/16 10:35 Date Received: 02/08/16 10:25

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	5365	02/11/16 04:18	MRS	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	5366	02/11/16 04:18	MRS	TAL SPK
Total/NA	Prep	3510C			1057.1 mL	5 mL	5371	02/11/16 11:01	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1	1057.1 mL	5 mL	5405	02/15/16 18:19	NMI	TAL SPK

Client Sample ID: GW-060493-020416-CP-VP-6 Date Collected: 02/04/16 13:48 Date Received: 02/08/16 10:25

Prep Type Total/NA	Batch Type Analysis	Batch Method 8260C	Run	Dil Factor	Initial Amount 43 mL	Final Amount 43 mL	Batch Number 5365	Prepared or Analyzed 02/11/16 04:38	Analyst MRS	Lab TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	5366	02/11/16 04:38	MRS	TAL SPK
Total/NA Total/NA	Prep Analysis	3510C NWTPH-Dx		1	1053 mL 1053 mL	5 mL 5 mL	5371 5405	02/11/16 11:01 02/15/16 18:37	NMI NMI	TAL SPK TAL SPK

Client Sample ID: GW-060493-020416-LB-VP-7 Date Collected: 02/04/16 13:36 Date Received: 02/08/16 10:25

Prep Type Total/NA	Batch Type Analysis	Batch Method 8260C	Run	Dil Factor	Initial Amount 43 mL	Final Amount 43 mL	Batch Number 5365	Prepared or Analyzed 02/11/16 04:59	Analyst MRS	Lab TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	5411	02/15/16 12:37	CBW	TAL SPK
Total/NA Total/NA	Prep Analysis	3510C NWTPH-Dx		1	1051.9 mL 1051.9 mL	5 mL 5 mL	5371 5405	02/11/16 11:01 02/15/16 18:54	NMI NMI	TAL SPK TAL SPK

TestAmerica Spokane

Matrix: Water

Lab Sample ID: 590-2793-12 Matrix: Water

Lab Sample ID: 590-2793-13

Matrix: Water

Client Sample ID: GW-060493-020416-LB-VP-8 Date Collected: 02/04/16 09:37

Date Received: 02/08/16 10:25

Lab Sample ID: 590-2793-14

Matrix: Water

Prep Type Total/NA	Batch Type Analysis	Batch Method 8260C	Run	Dil Factor	Initial Amount 43 mL	Final Amount 43 mL	Batch Number 5365	Prepared or Analyzed 02/11/16 05:19	Analyst MRS	Lab TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	5366	02/11/16 05:19	MRS	TAL SPK
Total/NA Total/NA	Prep Analysis	3510C NWTPH-Dx		1	1054.8 mL 1054.8 mL	5 mL 5 mL	5371 5405	02/11/16 11:01 02/15/16 19:12	NMI NMI	TAL SPK TAL SPK

Laboratory References:

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

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Qualifiers

GC/MS VOA

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

Glossary

Glossary		7
Abbreviation	These commonly used abbreviations may or may not be present in this report.	8
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	0
%R	Percent Recovery	2
CFL	Contains Free Liquid	
CNF	Contains no Free Liquid	
DER	Duplicate error ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	11
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	13
MDC	Minimum detectable concentration	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
NC	Not Calculated	
ND	Not detected at the reporting limit (or MDL or EDL if shown)	
PQL	Practical Quantitation Limit	
QC	Quality Control	
RER	Relative error ratio	
RL	Reporting Limit or Requested Limit (Radiochemistry)	
RPD	Relative Percent Difference, a measure of the relative difference between two points	
TEF	Toxicity Equivalent Factor (Dioxin)	
TEQ	Toxicity Equivalent Quotient (Dioxin)	

Certification Summary

12 13 14

Laboratory: TestAmerica Spokane

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

Authority	Program		EPA Region	Certification ID	Expiration Date
Washington	State Prog	gram	10	C569	01-06-17
Analysis Method	Prep Method	Matrix	Analy	/te	

TestAmerica Spokane

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	Date.	2/12/2	2/4/16		×	*	×	× ×	×	×	×	×	×			WA - NWTPH-Gx				NON-UNIT COST	C. TERERS		205-438-2371 renee,knecht@aecom.com	PHONE NO: E-MAIL			GSAP Project ID		PlaNet Site or Project ID	ain Of Custodv Record	!
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Login Sample Receipt Checklist

Client: AECOM, Inc.

Login Number: 2793 List Number: 1 Creator: Kratz, Sheila J

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

List Source: TestAmerica Spokane



THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

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

TestAmerica Job ID: 590-4153-1

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

For:

AECOM, Inc. 1111 Third AVe Suite 1600 Seattle, Washington 98101

Attn: Renee Knecht

Cardie Arrington

Authorized for release by: 8/10/2016 12:47:09 PM Randee Arrington, Project Manager II

(509)924-9200 randee.arrington@testamericainc.com

LINKS Review your project results through Total Access



Visit us at: www.testamericainc.com 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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Job ID: 590-4153-1

Laboratory: TestAmerica Spokane

Narrative

Receipt

The samples were received on 8/5/2016 3:52 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 6.0° C.

Receipt Exceptions

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): TB (590-4153-13). The container labels lists a collection date of 08/02/2016, while the COC lists 08/03/2016. The sample was logged in according to the container label.

GC/MS VOA

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

GC Semi VOA

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

Organic Prep

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

VOA Prep

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

Sample Summary

Client: AECOM, Inc. Project/Site: 210 NE 45th St., Seattle (60482000) TestAmerica Job ID: 590-4153-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-4153-1	GW-060493-080216-CP-MW-1	Water	08/02/16 09:39	08/05/16 15:52
590-4153-2	GW-060493-080216-CP-MW-2	Water	08/02/16 13:07	08/05/16 15:52
590-4153-3	GW-060493-080216-CP-MW-3	Water	08/02/16 10:01	08/05/16 15:52
590-4153-4	GW-060493-080216-CP-MW-8	Water	08/02/16 10:39	08/05/16 15:52
590-4153-5	GW-060493-080216-CP-VP-1	Water	08/02/16 11:39	08/05/16 15:52
590-4153-6	GW-060493-080216-CP-VP-2	Water	08/02/16 12:09	08/05/16 15:52
590-4153-7	GW-060493-080216-CP-VP-3	Water	08/02/16 12:31	08/05/16 15:52
590-4153-8	GW-060493-080316-CP-VP-4	Water	08/03/16 08:10	08/05/16 15:52
590-4153-9	GW-060493-080316-CP-VP-5	Water	08/03/16 08:43	08/05/16 15:52
590-4153-10	GW-060493-080216-CP-VP-6	Water	08/02/16 13:37	08/05/16 15:52
590-4153-11	GW-060493-080316-CP-VP-7	Water	08/03/16 07:39	08/05/16 15:52
590-4153-12	GW-060493-080316-CP-VP-8	Water	08/03/16 09:19	08/05/16 15:5
590-4153-13	ТВ	Water	08/02/16 07:45	08/05/16 15:5
590-4153-14	ТВ	Water	08/03/16 07:15	08/05/16 15:5

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

Method Description

NWTPH = Northwest Total Petroleum Hydrocarbon

Volatile Organic Compounds by GC/MS

Northwest - Volatile Petroleum Products (GC/MS)

Northwest - Semi-Volatile Petroleum Products (GC)

Protocol	Laboratory	
SW846	TAL SPK	
NWTPH	TAL SPK	
NWTPH	TAL SPK	5

Laboratory References:

Protocol References:

Method

8260C

NWTPH-Gx

NWTPH-Dx

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

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

TestAmerica Spokane

(C10-C25)

Client Sample ID: GW-060493-080216-CP-MW-1

Client Sample ID: GW-06049	W-060493-080216-CP-MW-1 Lab Sample ID: 590-4153-1									
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D Method	Prep Type		
m,p-Xylene	0.350	J	2.00	0.280	ug/L	1	8260C	Total/NA		
o-Xylene	0.333	J	1.00	0.162	ug/L	1	8260C	Total/NA	5	
Xylenes, Total	0.683	J	3.00	0.162	ug/L	1	8260C	Total/NA	J	
Gasoline	21.5	J	100	17.8	ug/L	1	NWTPH-Gx	Total/NA	C	
Diesel Range Organics (DRO)	0.136		0.121	0.0404	mg/L	1	NWTPH-Dx	Total/NA	0	

Client Sample ID: GW-060493-080216-CP-MW-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.396		0.200	0.0930	ug/L	1	_	8260C	Total/NA
Ethylbenzene	190		10.0	1.98	ug/L	10		8260C	Total/NA
m,p-Xylene	29.0		2.00	0.280	ug/L	1		8260C	Total/NA
o-Xylene	2.66		1.00	0.162	ug/L	1		8260C	Total/NA
Toluene	1.71		1.00	0.312	ug/L	1		8260C	Total/NA
Xylenes, Total	31.7		3.00	0.162	ug/L	1		8260C	Total/NA
Gasoline	1120		100	17.8	ug/L	1		NWTPH-Gx	Total/NA
Diesel Range Organics (DRO) _(C10-C25)	0.658		0.122	0.0407	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: GW-06049	Client Sample ID: GW-060493-080216-CP-MW-3							Lab Sample ID: 590		
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type	
Diesel Range Organics (DRO) (C10-C25)	0.149		0.123	0.0410	mg/L	1	_	NWTPH-Dx	Total/NA	

Client Sample ID: GW-06049	3-080216-CP-	-MW-8					Lat	o Sample IE): 590-4153-4
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics (DRO)	0.0485	J	0.122	0.0405	mg/L	1	_	NWTPH-Dx	Total/NA
(C10-C25)									

Client Sample ID: GW-060493-0	93-080216-CP-VP-1 Lab Sample ID: 5): 590-4153-5			
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics (DRO) (C10-C25)	0.0850	J	0.121	0.0405	mg/L	1	_	NWTPH-Dx	Total/NA

Client Sample ID: GW-060493-080216-CP-VP-2							_ab Sample ID: 590-4153-6		
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics (DRO)	0.124		0.122	0.0405	mg/L	1	_	NWTPH-Dx	Total/NA
(C10-C25)									

Client Sample ID: GW-060493-080216-CP-VP-3

Analyte	Result Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	9.57	0.200	0.0930	ug/L	1	_	8260C	Total/NA
Ethylbenzene	0.780 J	1.00	0.198	ug/L	1		8260C	Total/NA
o-Xylene	0.564 J	1.00	0.162	ug/L	1		8260C	Total/NA
Toluene	0.541 J	1.00	0.312	ug/L	1		8260C	Total/NA
Xylenes, Total	0.564 J	3.00	0.162	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Spokane

Lab Sample ID: 590-4153-2

Lab Sample ID: 590-4153-7

Detection Summary

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

Lab Sample ID: 590-4153-8

Lab Sample ID: 590-4153-9

Lab Sample ID: 590-4153-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac D	Method	Prep Type
Gasoline	453		100	17.8	ug/L	1	NWTPH-Gx	Total/NA
Diesel Range Organics (DRO) (C10-C25)	3.30		0.124	0.0413	mg/L	1	NWTPH-Dx	Total/NA
Residual Range Organics (RRO) (C25-C36)	0.154	J	0.206	0.0619	mg/L	1	NWTPH-Dx	Total/NA

Client Sample ID: GW-060493-080316-CP-VP-4

Client Sample ID: GW-060493-080216-CP-VP-3 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac D	Method	Prep Type
Diesel Range Organics (DRO)	0.0408	J	0.122	0.0406	mg/L		NWTPH-Dx	Total/NA
(C10-C25)								

Client Sample ID: GW-060493-080316-CP-VP-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type	
Ethylbenzene	0.398	J	1.00	0.198	ug/L	1	_	8260C	Total/NA	1
Diesel Range Organics (DRO)	0.0511	J	0.124	0.0414	mg/L	1		NWTPH-Dx	Total/NA	
(C10-C25)										

Client Sample ID: GW-060493-080216-CP-VP-6

Analyte	Result Quali	fier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.289	0.200	0.0930	ug/L	1	_	8260C	Total/NA
Ethylbenzene	1.78	1.00	0.198	ug/L	1		8260C	Total/NA
m,p-Xylene	1.05 J	2.00	0.280	ug/L	1		8260C	Total/NA
o-Xylene	1.12	1.00	0.162	ug/L	1		8260C	Total/NA
Xylenes, Total	2.17 J	3.00	0.162	ug/L	1		8260C	Total/NA
Gasoline	197	100	17.8	ug/L	1		NWTPH-Gx	Total/NA
Diesel Range Organics (DRO) (C10-C25)	0.209	0.121	0.0404	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: GW-060493-080316-CP-VP-7

Analyte	Result Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1990	20.0	9.30	ug/L	100	_	8260C	Total/NA
Ethylbenzene	408	100	19.8	ug/L	100		8260C	Total/NA
m,p-Xylene	1130	200	28.0	ug/L	100		8260C	Total/NA
o-Xylene	334	100	16.2	ug/L	100		8260C	Total/NA
Toluene	341	100	31.2	ug/L	100		8260C	Total/NA
Xylenes, Total	1460	300	16.2	ug/L	100		8260C	Total/NA
Gasoline	8350 J	10000	1780	ug/L	100		NWTPH-Gx	Total/NA
Diesel Range Organics (DRO) (C10-C25)	2.62	0.124	0.0412	mg/L	1		NWTPH-Dx	Total/NA
Residual Range Organics (RRO) (C25-C36)	0.271	0.206	0.0618	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: GW-060493-080316-CP-VP-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.546		0.200	0.0930	ug/L	1	_	8260C	Total/NA
Ethylbenzene	0.427	J	1.00	0.198	ug/L	1		8260C	Total/NA
m,p-Xylene	0.609	J	2.00	0.280	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Spokane

Lab Sample ID: 590-4153-10

Lab Sample ID: 590-4153-11

Lab Sample ID: 590-4153-12

Detection Summary

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

TestAmerica Job ID: 590-4153-1

Client Sample ID: GW-060493	3-080316-CF	-VP-8 (Cor	itinued)			La	ıb S	Sample ID:	: 590-4153-12
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Xylene	0.526	J	1.00	0.162	ug/L	1		8260C	Total/NA
Xylenes, Total	1.14	J	3.00	0.162	ug/L	1		8260C	Total/NA
Gasoline	36.5	J	100	17.8	ug/L	1		NWTPH-Gx	Total/NA
Diesel Range Organics (DRO) (C10-C25)	1.82		0.122	0.0406	mg/L	1		NWTPH-Dx	Total/NA
Residual Range Organics (RRO) _(C25-C36)	0.185	J	0.203	0.0608	mg/L	1		NWTPH-Dx	Total/NA
Client Sample ID: TB						La	ıb (Sample ID:	: 590-4153-13
No Detections.									
Client Sample ID: TB						La	ıb (Sample ID:	: 590-4153-14
No Detections.									
-									

This Detection Summary does not include radiochemical test results.

TestAmerica Spokane

Date Collected: 08/02/16 09:39

Date Received: 08/05/16 15:52

Client Sample ID: GW-060493-080216-CP-MW-1

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

TestAmerica Job ID: 590-4153-1

Lab Sample ID: 590-4153-1

Matrix: Water

7

	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ND		0.200	0.0930	ug/L			08/08/16 12:58	1
ND		1.00	0.198	ug/L			08/08/16 12:58	1
0.350	J	2.00	0.280	ug/L			08/08/16 12:58	1
0.333	J	1.00	0.162	ug/L			08/08/16 12:58	1
ND		1.00	0.312	ug/L			08/08/16 12:58	1
0.683	J	3.00	0.162	ug/L			08/08/16 12:58	
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
106		70 - 125					08/08/16 12:58	
110		69 - 120					08/08/16 12:58	1
101		80 - 120					08/08/16 12:58	1
99		80 - 120					08/08/16 12:58	
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
							00/00/40 40 50	
21.5	J	100		ug/L			08/08/16 12:58	1
21.5 %Recovery	J	100 Limits		ug/L		Prepared	Analyzed	Dil Fa
21.5	J	100		ug/L				Dil Fa
21.5 %Recovery 110	J Qualifier	100 Limits	17.8	ug/L			Analyzed	Dil Fa
21.5 %Recovery 110 Semi-Volatile	J Qualifier	100 Limits 68.7 - 141 Products (GC) RL	17.8	ug/L Unit	D		Analyzed	
21.5 %Recovery 110 Semi-Volatile	J Qualifier Petroleum	Limits 68.7 - 141 Products (GC)	17.8	Unit		Prepared	Analyzed 08/08/16 12:58	Dil Fa
21.5 %Recovery 110 Semi-Volatile Result	J Qualifier Petroleum	100 Limits 68.7 - 141 Products (GC) RL	17.8 MDL	Unit mg/L		Prepared	Analyzed 08/08/16 12:58 Analyzed	Dil Fac
21.5 %Recovery 110 Semi-Volatile Result 0.136	J Qualifier Petroleum Qualifier	100 Limits 68.7 - 141 Products (GC) RL 0.121	17.8 MDL 0.0404	Unit mg/L		Prepared Prepared 08/08/16 14:04	Analyzed 08/08/16 12:58 Analyzed 08/08/16 18:58	Dil Fa
21.5 %Recovery 110 Semi-Volatile Result 0.136 ND	J Qualifier Petroleum Qualifier	Limits 68.7 - 141 Products (GC) RL 0.121 0.202	17.8 MDL 0.0404	Unit mg/L		Prepared Prepared 08/08/16 14:04 08/08/16 14:04	Analyzed 08/08/16 12:58 Analyzed 08/08/16 18:58 08/08/16 18:58	Dil Fa
	0.350 0.333 ND 0.683 %Recovery 106 110 101 99 - Volatile Petro	0.350 J 0.333 J ND 0.683 J %Recovery Qualifier 106 110 101 99	0.350 J 2.00 0.333 J 1.00 ND 1.00 0.683 J 3.00 %Recovery Qualifier Limits 106 70 - 125 110 69 - 120 101 80 - 120 99 80 - 120 Volatile Petroleum Products (GC/MS)	0.350 J 2.00 0.280 0.333 J 1.00 0.162 ND 1.00 0.312 0.683 J 3.00 0.162 %Recovery Qualifier Limits 106 70 - 125 110 101 80 - 120 99 99 80 - 120 • Volatile Petroleum Products (GC/MS)	0.350 J 2.00 0.280 ug/L 0.333 J 1.00 0.162 ug/L ND 1.00 0.312 ug/L 0.683 J 3.00 0.162 ug/L %Recovery Qualifier Limits 106 70 - 125 110 69 - 120 101 80 - 120 99 80 - 120	0.350 J 2.00 0.280 ug/L 0.333 J 1.00 0.162 ug/L ND 1.00 0.312 ug/L 0.683 J 3.00 0.162 ug/L %Recovery Qualifier Limits 106 70 - 125 110 69 - 120 101 80 - 120 99 80 - 120	0.350 J 2.00 0.280 ug/L 0.333 J 1.00 0.162 ug/L ND 1.00 0.312 ug/L 0.683 J 3.00 0.162 ug/L %Recovery Qualifier Limits 70-125 100 69 - 120 101 80 - 120 99 80 - 120 - Volatile Petroleum Products (GC/MS)	0.350 J 2.00 0.280 ug/L 08/08/16 12:58 0.333 J 1.00 0.162 ug/L 08/08/16 12:58 ND 1.00 0.312 ug/L 08/08/16 12:58 0.683 J 3.00 0.162 ug/L 08/08/16 12:58 %Recovery Qualifier Limits Prepared Analyzed 106 70 - 125 08/08/16 12:58 08/08/16 12:58 110 69 - 120 08/08/16 12:58 08/08/16 12:58 99 80 - 120 08/08/16 12:58 08/08/16 12:58 99 80 - 120 08/08/16 12:58 08/08/16 12:58 Volatile Petroleum Products (GC/MS) Volatile Petroleum Products (GC/MS) 08/08/16 12:58

Date Collected: 08/02/16 13:07 Date Received: 08/05/16 15:52

Method: 8260C - Volatile Organic Compounds by GC/MS Analyte Result Qualifier MDL Unit Dil Fac RL D Prepared Analyzed 0.396 0.200 0.0930 ug/L 08/08/16 13:20 Benzene 1 10.0 08/09/16 11:59 10 Ethylbenzene 1.98 ug/L 190 2.00 0.280 ug/L 08/08/16 13:20 m,p-Xylene 29.0 1 0.162 ug/L 1.00 o-Xylene 08/08/16 13:20 1 2.66 Toluene 1.71 1.00 0.312 ug/L 08/08/16 13:20 1 3.00 0.162 ug/L 08/08/16 13:20 **Xylenes**, Total 31.7 1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 125		08/08/16 13:20	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 125		08/09/16 11:59	10
4-Bromofluorobenzene (Surr)	98		69 - 120		08/08/16 13:20	1
4-Bromofluorobenzene (Surr)	102		69 - 120		08/09/16 11:59	10
Dibromofluoromethane (Surr)	102		80 - 120		08/08/16 13:20	1
Dibromofluoromethane (Surr)	105		80 - 120		08/09/16 11:59	10

TestAmerica Spokane

Client Sample Results

Date Collected: 08/02/16 13:07

Date Received: 08/05/16 15:52

Dibromofluoromethane (Surr)

Client Sample ID: GW-060493-080216-CP-MW-2

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

TestAmerica Job ID: 590-4153-1

Lab Sample ID: 590-4153-2

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		80 - 120					08/08/16 13:20	1
Toluene-d8 (Surr)	101		80 - 120					08/09/16 11:59	10
Method: NWTPH-Gx - Northwest	- Volatilo Potre	Neum Proc	lucts (GC/MS)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	1120		100	17.8				08/08/16 13:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Bromofluorobenzene (Surr)	98		68.7 - 141					08/08/16 13:20	1
Method: NWTPH-Dx - Northwest	- Semi-Volatile	Petroleun	Products (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	0.658		0.122	0.0407	mg/L		08/08/16 14:04	08/08/16 19:15	1
(C10-C25) Residual Range Organics (RRO) (C25-C36)	ND		0.203	0.0610	mg/L		08/08/16 14:04	08/08/16 19:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	77		50 - 150				08/08/16 14:04	08/08/16 19:15	1
n-Triacontane-d62	78		50 - 150				08/08/16 14:04	08/08/16 19:15	1
lient Sample ID: GW-060493	3-080216-CF	-MW-3					Lab Sar	nple ID: 590-	4153-3
ate Collected: 08/02/16 10:01									: Water
ate Received: 08/05/16 15:52 Method: 8260C - Volatile Organic	Compounds	ov GC/MS							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.200	0.0930	ug/L			08/08/16 14:26	1
thylbenzene	ND		1.00	0.198	ug/L			08/08/16 14:26	1
n,p-Xylene	ND		2.00	0.280	ug/L			08/08/16 14:26	1
o-Xylene	ND		1.00	0.162	ug/L			08/08/16 14:26	1
Toluene	ND		1.00	0.312	ug/L			08/08/16 14:26	1
Kylenes, Total	ND		3.00	0.162	ug/L			08/08/16 14:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		70 - 125					08/08/16 14:26	1
4-Bromofluorobenzene (Surr)	105		69 - 120					08/08/16 14:26	1
	100		00 - 120					00/00/10 14.20	1

Toluene-d8 (Surr)	99		80 - 120					08/08/16 14:26	1
- Method: NWTPH-Gx - Northwe	st - Volatile Petro	oleum Pro	ducts (GC/MS)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		100	17.8	ug/L			08/08/16 14:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		68.7 - 141					08/08/16 14:26	1
- Method: NWTPH-Dx - Northwe	st - Semi-Volatile	Petroleur	n Products (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	0.149		0.123	0.0410	mg/L		08/08/16 14:04	08/08/16 19:33	1

80 - 120

101

TestAmerica Spokane

08/08/16 14:26

1

lient Sample ID: GW-06049	13-080216-CF	·-IVI VV-3					Lab Sar	nple ID: 590-	4153-3 c: Wate
ate Collected: 08/02/16 10:01 ate Received: 08/05/16 15:52								watro	c: wate
Method: NWTPH-Dx - Northwest	- Semi-Volatile	Petroleun	Products (GC)	(Continu	ued)				
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
Residual Range Organics (RRO)	ND		0.205	0.0614			08/08/16 14:04	08/08/16 19:33	
C25-C36)			0.200	0.0011	<u>g</u> , _				
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
o-Terphenyl	75		50 _ 150				08/08/16 14:04	08/08/16 19:33	
n-Triacontane-d62	75		50 - 150				08/08/16 14:04	08/08/16 19:33	
lient Sample ID: GW-06049	3-080216-CF	P-MW-8					Lab Sar	nple ID: 590-	4153-
ate Collected: 08/02/16 10:39								Matrix	c: Wate
ate Received: 08/05/16 15:52									
Method: 8260C - Volatile Organi		-							
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
Benzene	ND		0.200	0.0930	ug/L			08/08/16 15:11	
Ethylbenzene	ND		1.00	0.198	ug/L			08/08/16 15:11	
n,p-Xylene	ND		2.00	0.280	ug/L			08/08/16 15:11	
o-Xylene	ND		1.00	0.162	ug/L			08/08/16 15:11	
Toluene	ND		1.00	0.312	ug/L			08/08/16 15:11	
Kylenes, Total	ND		3.00	0.162	ug/L			08/08/16 15:11	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil F
1,2-Dichloroethane-d4 (Surr)	103		70 - 125					08/08/16 15:11	
4-Bromofluorobenzene (Surr)	107		69 - 120					08/08/16 15:11	
Dibromofluoromethane (Surr)	96		80 - 120					08/08/16 15:11	
Toluene-d8 (Surr)	96		80 - 120					08/08/16 15:11	
Method: NWTPH-Gx - Northwest						_			
Analyte		Qualifier		MDL		D	Prepared	Analyzed	Dil Fa
Gasoline	ND		100	17.8	ug/L			08/08/16 15:11	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
l-Bromofluorobenzene (Surr)	107		68.7 - 141					08/08/16 15:11	
Method: NWTPH-Dx - Northwest									
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics (DRO) C10-C25)	0.0485	J	0.122	0.0405	mg/L		08/08/16 14:04	08/08/16 19:51	
Residual Range Organics (RRO) (C25-C36)	ND		0.203	0.0608	mg/L		08/08/16 14:04	08/08/16 19:51	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil F
o-Terphenyl	85		50 - 150				08/08/16 14:04	08/08/16 19:51	
n-Triacontane-d62	90		50 - 150				08/08/16 14:04	08/08/16 19:51	
lient Sample ID: GW-06049	3-080216-CF	P-VP-1					Lab Sar	nple ID: 590-	4153-
te Collected: 08/02/16 11:39 te Received: 08/05/16 15:52									c: Wate
Method: 8260C - Volatile Organi	c Compounds	by GC/MS							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
			0.200	0.0020				00/00/16 15:22	

include of game a								
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	0.200	0.0930	ug/L			08/08/16 15:33	1
Ethylbenzene	ND	1.00	0.198	ug/L			08/08/16 15:33	1

TestAmerica Spokane

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

Date Collected: 08/02/16 11:39

Date Received: 08/05/16 15:52

Analyte

m,p-Xylene

Client Sample ID: GW-060493-080216-CP-VP-1

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

Result Qualifier

ND

TestAmerica Job ID: 590-4153-1

Lab Sample ID: 590-4153-5

Analyzed

08/08/16 15:33

Lab Sample ID: 590-4153-6

Matrix: Water

Matrix: Water

Dil Fac

:	
	3

,					- 3				-
o-Xylene	ND		1.00	0.162	ug/L			08/08/16 15:33	1
Toluene	ND		1.00	0.312	ug/L			08/08/16 15:33	1
Xylenes, Total	ND		3.00	0.162	ug/L			08/08/16 15:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		70 - 125					08/08/16 15:33	1
4-Bromofluorobenzene (Surr)	101		69 - 120					08/08/16 15:33	1
Dibromofluoromethane (Surr)	105		80 - 120					08/08/16 15:33	1
Toluene-d8 (Surr)	103		80 - 120					08/08/16 15:33	1
Method: NWTPH-Gx - Northwe Analyte Gasoline		Qualifier	ducts (GC/MS)RL		Unit ug/L	<u>D</u>	Prepared	Analyzed 08/08/16 15:33	Dil Fac
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		68.7 - 141					08/08/16 15:33	1
_ Method: NWTPH-Dx - Northwe			• • •						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	0.0850	J	0.121	0.0405	mg/L		08/08/16 14:04	08/08/16 20:09	1
Residual Range Organics (RRO) (C25-C36)	ND		0.202	0.0607	mg/L		08/08/16 14:04	08/08/16 20:09	1
0									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	% Recovery 80	Qualifier	Limits 50 - 150				Prepared 08/08/16 14:04	Analyzed 08/08/16 20:09	Dil Fac
	<u> </u>	Qualifier					<u> </u>		Dil Fac 1 1

Client Sample ID: GW-060493-080216-CP-VP-2 Date Collected: 08/02/16 12:09

Date Received: 08/05/16 15:52

Method: 8260C - Volatile Organic Compounds by GC/MS Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac Benzene ND 0.200 0.0930 ug/L 08/08/16 15:56 1 ND Ethylbenzene 1.00 0.198 ug/L 08/08/16 15:56 1 m,p-Xylene ND 2.00 0.280 ug/L 08/08/16 15:56 1 o-Xylene ND 1.00 0.162 ug/L 08/08/16 15:56 1 Toluene ND 1.00 0.312 ug/L 08/08/16 15:56 1 ND 3.00 08/08/16 15:56 Xylenes, Total 0.162 ug/L 1 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 107 70 - 125 08/08/16 15:56 1 105 4-Bromofluorobenzene (Surr) 69 - 120 08/08/16 15:56 1 Dibromofluoromethane (Surr) 100 80 - 120 08/08/16 15:56 1 Toluene-d8 (Surr) 103 80 - 120 08/08/16 15:56 1 Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	100	17.8	ug/L			08/08/16 15:56	1

TestAmerica Spokane

RL

2.00

MDL Unit

ug/L

0.280

D

Prepared

Limits

68.7 - 141

RL

0.122

0.203

Limits

50 - 150

50 - 150

MDL Unit

0.0405 mg/L

0.0608 mg/L

Date Collected: 08/02/16 12:09

Date Received: 08/05/16 15:52

4-Bromofluorobenzene (Surr)

Diesel Range Organics (DRO)

Residual Range Organics (RRO)

Surrogate

Analyte

(C10-C25)

(C25-C36) Surrogate

o-Terphenyl

n-Triacontane-d62

Client Sample ID: GW-060493-080216-CP-VP-2

%Recovery Qualifier

Result Qualifier

105

0.124

ND

%Recovery Qualifier

77

76

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

TestAmerica Job ID: 590-4153-1

Analyzed

08/08/16 15:56

Analyzed

08/08/16 20:26

08/08/16 20:26

Analyzed

08/08/16 20:26

08/08/16 20:26

Lab Sample ID: 590-4153-7

Prepared

Prepared

08/08/16 14:04

08/08/16 14:04

Prepared

08/08/16 14:04

08/08/16 14:04

D

Lab Sample ID: 590-4153-6 Matrix: Water

Dil Fac

Dil Fac

Dil Fac

Matrix: Water

1

1

1

1

1

5
7
8
9

Client Sample ID: GW-060493-080216-CP-VP-3 Date Collected: 08/02/16 12:31

Date Received: 08/05/16 15:52

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	9.57		0.200	0.0930	ug/L			08/08/16 16:18	1
Ethylbenzene	0.780	J	1.00	0.198	ug/L			08/08/16 16:18	1
m,p-Xylene	ND		2.00	0.280	ug/L			08/08/16 16:18	1
o-Xylene	0.564	J	1.00	0.162	ug/L			08/08/16 16:18	1
Toluene	0.541	J	1.00	0.312	ug/L			08/08/16 16:18	1
Xylenes, Total	0.564	J	3.00	0.162	ug/L			08/08/16 16:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)			70 _ 125			-		08/08/16 16:18	1
4-Bromofluorobenzene (Surr)	120		69 - 120					08/08/16 16:18	1
Dibromofluoromethane (Surr)	109		80 - 120					08/08/16 16:18	1
Toluene-d8 (Surr)	104		80 - 120					08/08/16 16:18	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	453		100	17.8	ug/L			08/08/16 16:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		68.7 - 141					08/08/16 16:18	1
Method: NWTPH-Dx - Northwest			· · · · · ·	·		_			
		Petroleun Qualifier	n Products (GC _{RL}) MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: NWTPH-Dx - Northwest Analyte Diesel Range Organics (DRO)			· · · · · ·	·		D	Prepared 08/08/16 14:04	Analyzed	Dil Fac
Analyte	Result		RL	MDL		D			Dil Fac
Analyte Diesel Range Organics (DRO)	Result	Qualifier	RL	MDL	mg/L	<u>D</u>			Dil Fac
Analyte Diesel Range Organics (DRO) (C10-C25)	Result 3.30	Qualifier	RL	0.0413	mg/L	D	08/08/16 14:04	08/08/16 20:44	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	77		50 - 150	08/08/16 14:04	08/08/16 20:44	1
n-Triacontane-d62	76		50 - 150	08/08/16 14:04	08/08/16 20:44	1

TestAmerica Spokane

Date Collected: 08/03/16 08:10

Date Received: 08/05/16 15:52

Client Sample ID: GW-060493-080316-CP-VP-4

TestAmerica Job ID: 590-4153-1

Lab Sample ID: 590-4153-8 Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	ND		0.200	0.0930	ug/L			08/08/16 16:40	
Ethylbenzene	ND		1.00	0.198	ug/L			08/08/16 16:40	1
m,p-Xylene	ND		2.00	0.280	ug/L			08/08/16 16:40	1
o-Xylene	ND		1.00	0.162	ug/L			08/08/16 16:40	1
Toluene	ND		1.00	0.312	ug/L			08/08/16 16:40	
Xylenes, Total	ND		3.00	0.162	ug/L			08/08/16 16:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,2-Dichloroethane-d4 (Surr)	109		70 - 125					08/08/16 16:40	1
4-Bromofluorobenzene (Surr)	100		69 - 120					08/08/16 16:40	1
Dibromofluoromethane (Surr)	108		80 - 120					08/08/16 16:40	1
Toluene-d8 (Surr)	101		80 - 120					08/08/16 16:40	1
Method: NWTPH-Gx - Northwe Analyte		Dieum Proc Qualifier	lucts (GC/MS) RL	MDL	Unit	D	Prepared	Analvzed	Dil Fac
Method: NWTPH-Gx - Northwe Analyte Gasoline					Unit ug/L	<u>D</u>	Prepared	Analyzed 08/08/16 16:40	Dil Fac
Analyte	Result ND	Qualifier	RL			<u>D</u>	Prepared		1
Analyte Gasoline	Result ND	Qualifier	RL 100			<u>D</u>		08/08/16 16:40	
Analyte Gasoline Surrogate	Result ND %Recovery 100	Qualifier Qualifier	RL 100 Limits 68.7 - 141	17.8		<u>D</u>		08/08/16 16:40 Analyzed	Dil Fac
Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr)	Result ND %Recovery 100 st - Semi-Volatile	Qualifier Qualifier	RL 100 - Limits 68.7 - 141 Products (GC) RL	17.8		D		08/08/16 16:40 Analyzed	Dil Fac
Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr) Method: NWTPH-Dx - Northwe	Result ND %Recovery 100 st - Semi-Volatile	Qualifier Qualifier Petroleun Qualifier	RL 100 - Limits 68.7 - 141 Products (GC)	17.8	ug/L Unit		Prepared	08/08/16 16:40 <u>Analyzed</u> 08/08/16 16:40	Dil Fac
Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr) Method: NWTPH-Dx - Northwe Analyte Diesel Range Organics (DRO)	Result ND %Recovery 100 st - Semi-Volatile Result	Qualifier Qualifier Petroleun Qualifier	RL 100 - Limits 68.7 - 141 Products (GC) RL	17.8 MDL	ug/L Unit mg/L		Prepared	08/08/16 16:40 Analyzed 08/08/16 16:40 Analyzed	Dil Fac
Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr) Method: NWTPH-Dx - Northwe Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO)	Result ND %Recovery 100 st - Semi-Volatile Result 0.0408 ND %Recovery	Qualifier Qualifier Petroleun Qualifier J	RL 100 Limits 68.7 - 141 Products (GC) RL 0.122	17.8 MDL 0.0406	ug/L Unit mg/L		Prepared Prepared 08/08/16 14:04 08/08/16 14:04 Prepared	08/08/16 16:40 Analyzed 08/08/16 16:40 Analyzed 08/08/16 21:02 08/08/16 21:02 Analyzed	1 Dil Fac
Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr) Method: NWTPH-Dx - Northwe Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)	Result ND %Recovery 100 st - Semi-Volatile Result 0.0408 ND	Qualifier Qualifier Petroleun Qualifier J	RL 100 Limits 68.7 - 141 Products (GC) RL 0.122 0.203	17.8 MDL 0.0406	ug/L Unit mg/L		Prepared Prepared 08/08/16 14:04 08/08/16 14:04	08/08/16 16:40 Analyzed 08/08/16 16:40 Analyzed 08/08/16 21:02 08/08/16 21:02	Dil Fac

Client Sample ID: GW-060493-080316-CP-VP-5
Date Collected: 08/03/16 08:43
Date Received: 08/05/16 15:52

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.200	0.0930	ug/L			08/08/16 17:02	1
Ethylbenzene	0.398	J	1.00	0.198	ug/L			08/08/16 17:02	1
m,p-Xylene	ND		2.00	0.280	ug/L			08/08/16 17:02	1
o-Xylene	ND		1.00	0.162	ug/L			08/08/16 17:02	1
Toluene	ND		1.00	0.312	ug/L			08/08/16 17:02	1
Xylenes, Total	ND		3.00	0.162	ug/L			08/08/16 17:02	1

Surrogate	%Recovery	Qualifier Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103	70 - 125		08/08/16 17:02	1
4-Bromofluorobenzene (Surr)	101	69 - 120		08/08/16 17:02	1
Dibromofluoromethane (Surr)	111	80 - 120		08/08/16 17:02	1
Toluene-d8 (Surr)	98	80 - 120		08/08/16 17:02	1

Matrix: Water

Client Sample Results

TestAmerica Job ID: 590-4153-1

Client Sample ID: GW-060493-080316-CP-VP-5 Date Collected: 08/03/16 08:43

Date Received: 08/05/16 15:52

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		100	17.8	ug/L			08/08/16 17:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		68.7 - 141					08/08/16 17:02	1
- Method: NWTPH-Dx - Northwe	st - Somi-Volatile	Potrolour	n Products (GC	`					
Analyte		Qualifier	RL	, MDL	Unit	D	Prepared	Analyzed	Dil Fac
		Qualifier			Unit mg/L	<u> </u>	Prepared 08/08/16 14:04	Analyzed 08/08/16 21:38	Dil Fac
Analyte Diesel Range Organics (DRO)	Result	Qualifier	RL	MDL	mg/L	<u>D</u>	·		Dil Fac
Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO)	Result 0.0511	Qualifier J	RL	0.0414	mg/L	<u> </u>	08/08/16 14:04	08/08/16 21:38	Dil Fac 1 1 Dil Fac
Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)	Result 0.0511 ND	Qualifier J	RL 0.124	0.0414	mg/L	<u> </u>	08/08/16 14:04 08/08/16 14:04	08/08/16 21:38 08/08/16 21:38	1

Client Sample ID: GW-060493-080216-CP-VP-6 Date Collected: 08/02/16 13:37 Date Received: 08/05/16 15:52

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.289		0.200	0.0930	ug/L			08/08/16 17:24	1
Ethylbenzene	1.78		1.00	0.198	ug/L			08/08/16 17:24	1
m,p-Xylene	1.05	J	2.00	0.280	ug/L			08/08/16 17:24	1
o-Xylene	1.12		1.00	0.162	ug/L			08/08/16 17:24	1
Toluene	ND		1.00	0.312	ug/L			08/08/16 17:24	1
Xylenes, Total	2.17	J	3.00	0.162	ug/L			08/08/16 17:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 _ 125			-		08/08/16 17:24	1
4-Bromofluorobenzene (Surr)	98		69 - 120					08/08/16 17:24	1
Dibromofluoromethane (Surr)	107		80 - 120					08/08/16 17:24	1
Toluene-d8 (Surr)	102		80 - 120					08/08/16 17:24	1

Method: NWTPH-Gx - Northwest -	Volatile Petroleum Products	(GC/MS)
Analyte	Result Qualifier	RL

	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Gasoline	197		100	17.8	ug/L			08/08/16 17:24	1
	Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
	4-Bromofluorobenzene (Surr)	98		68.7 - 141			-		08/08/16 17:24	1
ſ										
	Method: NWTPH-Dx - Northwest	t - Semi-Volatile	Petroleur	n Products (GC)						
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

					-		· · · · · , - · · ·	
Diesel Range Organics (DRO)	0.209	0.121	0.0404	mg/L		08/08/16 14:04	08/08/16 21:55	1
(C10-C25)								
Residual Range Organics (RRO)	ND	0.202	0.0607	mg/L		08/08/16 14:04	08/08/16 21:55	1
(C25-C36)								
Surrogate	%Recovery Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	77	50 - 150				08/08/16 14:04	08/08/16 21:55	1
n-Triacontane-d62	74	50 - 150				08/08/16 14:04	08/08/16 21:55	1

TestAmerica Spokane

Lab Sample ID: 590-4153-10

Date Collected: 08/03/16 07:39

Date Received: 08/05/16 15:52

Client Sample ID: GW-060493-080316-CP-VP-7

TestAmerica Job ID: 590-4153-1

Lab Sample ID: 590-4153-11

Matrix: Water

12 13 14

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1990		20.0	9.30	ug/L			08/09/16 12:21	100
Ethylbenzene	408		100	19.8	ug/L			08/09/16 12:21	100
m,p-Xylene	1130		200	28.0	ug/L			08/09/16 12:21	100
o-Xylene	334		100	16.2	ug/L			08/09/16 12:21	100
Toluene	341		100	31.2	ug/L			08/09/16 12:21	100
Xylenes, Total	1460		300	16.2	ug/L			08/09/16 12:21	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 125					08/09/16 12:21	100
4-Bromofluorobenzene (Surr)	95		69 - 120					08/09/16 12:21	100
Dibromofluoromethane (Surr)	100		80 - 120					08/09/16 12:21	100
Toluene-d8 (Surr)	101		80 - 120					08/09/16 12:21	100
- Method: NWTPH-Gx - Northwes Analyte			· · · · · · · · · · · · · · · · · · ·	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Method: NWTPH-Gx - Northwes Analyte Gasoline		Qualifier	ducts (GC/MS) 	MDL 1780		<u>D</u>	Prepared	Analyzed 08/09/16 12:21	
Analyte Gasoline	Result 8350	Qualifier J	RL			D	<u>.</u>	08/09/16 12:21	100
Analyte Gasoline Surrogate	Result 8350 %Recovery	Qualifier J	RL 10000			D	Prepared Prepared	08/09/16 12:21 Analyzed	100 Dil Fac
Analyte Gasoline	Result 8350	Qualifier J	RL			<u>D</u>	<u>.</u>	08/09/16 12:21	Dil Fac 100 Dil Fac 100
Analyte Gasoline Surrogate	Result 8350 %Recovery 95	Qualifier J Qualifier	RL	1780		<u>D</u>	<u>.</u>	08/09/16 12:21 Analyzed	100 Dil Fac
Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr)	t - Semi-Volatile	Qualifier J Qualifier	RL 10000 - <u>Limits</u> 68.7 - 141 n Products (GC) RL	1780 MDL	ug/L Unit	D	<u>.</u>	08/09/16 12:21 Analyzed	100 Dil Fac 100
Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr) Method: NWTPH-Dx - Northwes	t - Semi-Volatile	Qualifier J Qualifier Petroleun	- <u>RL</u> 10000 - - <u>Limits</u> 68.7 - 141 n Products (GC)	1780	ug/L Unit		Prepared	08/09/16 12:21 Analyzed 08/09/16 12:21	100 <i>Dil Fac</i> 100 Dil Fac
Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr) Method: NWTPH-Dx - Northwes Analyte Diesel Range Organics (DRO)	Result Result Result Result Result Result Result	Qualifier J Qualifier Petroleun	RL 10000 - <u>Limits</u> 68.7 - 141 n Products (GC) RL	1780 MDL	Unit mg/L		Prepared	08/09/16 12:21 Analyzed 08/09/16 12:21 Analyzed	100 Dil Fac 100 Dil Fac
Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr) Method: NWTPH-Dx - Northwes Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO)	Result 8350 %Recovery 95 t - Semi-Volatile Result 2.62	Qualifier J Qualifier Petroleun Qualifier	RL 10000 - <u>Limits</u> 68.7 - 141 n Products (GC) - <u>RL</u> 0.124	1780 MDL 0.0412	Unit mg/L		Prepared Prepared 08/08/16 14:04	08/09/16 12:21 Analyzed 08/09/16 12:21 Analyzed 08/08/16 22:13	100 Dil Fac
Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr) Method: NWTPH-Dx - Northwes Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)	Result %Recovery 95 t - Semi-Volatile Result 2.62 0.271	Qualifier J Qualifier Petroleun Qualifier	RL 10000 - <u>Limits</u> 68.7 - 141 n Products (GC) RL 0.124 0.206	1780 MDL 0.0412	Unit mg/L		Prepared Prepared 08/08/16 14:04 08/08/16 14:04	08/09/16 12:21 Analyzed 08/09/16 12:21 Analyzed 08/08/16 22:13 08/08/16 22:13	

Client Sample ID: GW-060493-080316-CP-VP-8 Date Collected: 08/03/16 09:19 Date Received: 08/05/16 15:52

Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac 0.546 0.200 0.0930 ug/L 08/09/16 12:43 Benzene 1 08/09/16 12:43 Ethylbenzene 0.427 J 1.00 0.198 ug/L 1 0.609 J 2.00 0.280 ug/L 08/09/16 12:43 m,p-Xylene 1 0.526 J 1.00 0.162 ug/L 08/09/16 12:43 o-Xylene 1 Toluene ND 1.00 0.312 ug/L 08/09/16 12:43 1 3.00 0.162 ug/L 08/09/16 12:43 **Xylenes**, Total 1.14 J 1 %Recovery Qualifier Limits Surrogate Prepared Analyzed Dil Fac 70 - 125 1,2-Dichloroethane-d4 (Surr) 107 08/09/16 12:43 1 4-Bromofluorobenzene (Surr) 103 69 - 120 08/09/16 12:43 1 Dibromofluoromethane (Surr) 107 80 - 120 08/09/16 12:43 1

80 - 120

99

TestAmerica Spokane

08/09/16 12:43

Lab Sample ID: 590-4153-12

Matrix: Water

1

Lab Sample ID: 590-4153-12

Lab Sample ID: 590-4153-13

Lab Sample ID: 590-4153-14

Matrix: Water

Matrix: Water

Matrix: Water

Client Sample ID: GW-060493-080316-CP-VP-8 Date Collected: 08/03/16 09:19

Date Received: 08/05/16 15:52

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	36.5	J	100	17.8	ug/L			08/09/16 12:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		68.7 - 141					08/09/16 12:43	1
- Method: NWTPH-Dx - Northwes	st - Semi-Volatile	Petroleur	n Products (GC)					
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	1.82		0.122	0.0406	mg/L		08/08/16 14:04	08/08/16 22:31	1
Diesel Range Organics (DRO) (C10-C25)	1.82		0.122		mg/L				1
	0.185	J	0.122	0.0406	mg/L mg/L		08/08/16 14:04	08/08/16 22:31	1
(C10-C25)		J			0				1
(C10-C25) Residual Range Organics (RRO)					0				1 1 Dil Fac
(C10-C25) Residual Range Organics (RRO) (C25-C36)	0.185		0.203		0		08/08/16 14:04	08/08/16 22:31	1 1 <i>Dil Fac</i> 1

Client Sample ID: TB

Date Collected: 08/02/16 07:45

Date Received: 08/05/16 15:52

Method: 8260C - Volatile Organ	nic Compounds	by GC/MS							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.200	0.0930	ug/L			08/08/16 18:52	1
Ethylbenzene	ND		1.00	0.198	ug/L			08/08/16 18:52	1
m,p-Xylene	ND		2.00	0.280	ug/L			08/08/16 18:52	1
o-Xylene	ND		1.00	0.162	ug/L			08/08/16 18:52	1
Toluene	ND		1.00	0.312	ug/L			08/08/16 18:52	1
Xylenes, Total	ND		3.00	0.162	ug/L			08/08/16 18:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 125			-		08/08/16 18:52	1
4-Bromofluorobenzene (Surr)	101		69 - 120					08/08/16 18:52	1
Dibromofluoromethane (Surr)	104		80 - 120					08/08/16 18:52	1
Toluene-d8 (Surr)	101		80 - 120					08/08/16 18:52	1

Client Sample ID: TB

Date Collected: 08/03/16 07:15 Date Received: 08/05/16 15:52

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.200	0.0930	ug/L			08/08/16 19:14	1
Ethylbenzene	ND		1.00	0.198	ug/L			08/08/16 19:14	1
m,p-Xylene	ND		2.00	0.280	ug/L			08/08/16 19:14	1
o-Xylene	ND		1.00	0.162	ug/L			08/08/16 19:14	1
Toluene	ND		1.00	0.312	ug/L			08/08/16 19:14	1
Xylenes, Total	ND		3.00	0.162	ug/L			08/08/16 19:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		70 _ 125			-		08/08/16 19:14	1
4-Bromofluorobenzene (Surr)	105		69 _ 120					08/08/16 19:14	1
Dibromofluoromethane (Surr)	103		80 - 120					08/08/16 19:14	1

TestAmerica Spokane

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Client Sample Results

Client: AECOM, Inc. Project/Site: 210 NE 45th St., Seattle (60482000) TestAmerica Job ID: 590-4153-1

4452 44 h e L

Date Collected: 08/03/16 07:15 Date Received: 08/05/16 15:52

Client Sample ID: TB

Lab Sample	ID: 590-4153-14
	Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
Toluene-d8 (Surr)	100		80 - 120		08/08/16 19:14	1		

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

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

5

8

Matrix: Water Analysis Batch: 7952

Lab Sample ID: MB 590-7952/5

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.200	0.0930	ug/L			08/08/16 10:23	1
Ethylbenzene	ND		1.00	0.198	ug/L			08/08/16 10:23	1
m,p-Xylene	ND		2.00	0.280	ug/L			08/08/16 10:23	1
o-Xylene	ND		1.00	0.162	ug/L			08/08/16 10:23	1
Toluene	ND		1.00	0.312	ug/L			08/08/16 10:23	1
Xylenes, Total	ND		3.00	0.162	ug/L			08/08/16 10:23	1
	MB	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

-	-		-	-	
1,2-Dichloroethane-d4 (Surr)	104	70 - 125		08/08/16 10:23	1
4-Bromofluorobenzene (Surr)	103	69 - 120		08/08/16 10:23	1
Dibromofluoromethane (Surr)	111	80 - 120		08/08/16 10:23	1
Toluene-d8 (Surr)	104	80 - 120		08/08/16 10:23	1

Lab Sample ID: LCS 590-7952/1003 Matrix: Water Analysis Batch: 7952

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	10.0	9.922		ug/L		99	80 - 120	
Ethylbenzene	10.0	10.25		ug/L		102	80 - 120	
m,p-Xylene	10.0	10.42		ug/L		104	80 - 120	
o-Xylene	10.0	9.860		ug/L		99	80 - 120	
Toluene	10.0	10.11		ug/L		101	80 - 123	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		70 - 125
4-Bromofluorobenzene (Surr)	93		69 - 120
Dibromofluoromethane (Surr)	102		80 - 120
Toluene-d8 (Surr)	100		80 - 120

99

Lab Sample ID: 590-4153-2 MS Matrix: Water Analysis Batch: 7952

Toluene-d8 (Surr)

MS MS Sample Sample Spike %Rec. Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits Benzene 0.396 10.0 10.39 ug/L 100 50 - 150 10.0 203.0 E4 Ethylbenzene 219 E ug/L -165 50 - 150 29.0 10.0 50 - 150 m,p-Xylene 35.70 ug/L 67 o-Xylene 2.66 10.0 11.26 ug/L 86 50 - 150 Toluene 1.71 10.0 11.56 ug/L 99 50 - 150 MS MS %Recovery Qualifier Limits Surrogate 70 - 125 1,2-Dichloroethane-d4 (Surr) 108 4-Bromofluorobenzene (Surr) 101 69 - 120 Dibromofluoromethane (Surr) 100 80 - 120

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Client Sample ID: GW-060493-080216-CP-MW-2 Prep Type: Total/NA

TestAmerica Spokane

80 - 120

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

Lab Sample ID: LCS 590-7971/1003
Matrix: Water

Client Sample ID:	Lab	Contro	I Sample
	Prep	Type:	Total/NA

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analysis Batch: 7971

			Spike	LCS	LCS				%Rec.
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene			10.0	10.13		ug/L		101	80 - 120
Ethylbenzene			10.0	9.769		ug/L		98	80 - 120
m,p-Xylene			10.0	10.15		ug/L		101	80 - 120
o-Xylene			10.0	9.348		ug/L		93	80 - 120
Toluene			10.0	9.969		ug/L		100	80 - 123
	LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	105		70 - 125						
4-Bromofluorobenzene (Surr)	95		69 _ 120						
Dibromofluoromethane (Surr)	99		80 - 120						
Toluene-d8 (Surr)	96		80 - 120						

Lab Sample ID: LCSD 590-7971/12 Matrix: Water Analysis Batch: 7971

-			Spike	LCSD	LCSD				%Rec.		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene			10.0	9.854		ug/L		99	80 - 120	3	25
Ethylbenzene			10.0	9.996		ug/L		100	80 - 120	2	25
m,p-Xylene			10.0	10.56		ug/L		106	80 - 120	4	25
o-Xylene			10.0	10.09		ug/L		101	80 - 120	8	25
Toluene			10.0	10.05		ug/L		100	80 - 123	1	25
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	99		70 - 125								
4-Bromofluorobenzene (Surr)	103		69 _ 120								
Dibromofluoromethane (Surr)	103		80 - 120								
Toluene-d8 (Surr)	98		80 - 120								

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

Lab Sample ID: MB 590-7953/5 Matrix: Water								Client	Sample ID: Metho Prep Type: 1	
Analysis Batch: 7953										
	MB	MB								
Analyte	Result	Qualifier	RL		MDL Unit		D	Prepared	Analyzed	Dil Fac
Gasoline	ND		100		17.8 ug/L				08/08/16 10:23	1
	MB	МВ								
Surrogate	%Recovery	Qualifier	Limits					Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		68.7 - 141						08/08/16 10:23	1
 Lab Sample ID: LCS 590-7953/1004							Clie	nt Sample	e ID: Lab Control	Sample
Matrix: Water									Prep Type: 1	Total/NA
Analysis Batch: 7953										
			Spike	LCS	LCS				%Rec.	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline			990	954.8		ug/L		96	80 - 120	

QC Sample Results

Client: AECOM, Inc.								TestAn	nerica Job I	D: 590-4	153-1	
Project/Site: 210 NE 45th St., Se	eattle (604820	00)										
	LCS	LCS										
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	106		68.7 - 141									
Lab Sample ID: 590-4153-3 M	S					Client S	ample I	D: GW-	060493-080)216-CP-	-MW-3	
Matrix: Water									Prep T	ype: To	tal/NA	5
Analysis Batch: 7953												
	Sample	•	Spike		MS				%Rec.			
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits			
Gasoline	ND		990	787.5		ug/L		80	55.6 - 126			
	MS	MS										
Surrogate	%Recovery	Qualifier	Limits									8
4-Bromofluorobenzene (Surr)	103		68.7 - 141									
Lab Sample ID: LCS 590-7973	2/1004						Client	Sample	e ID: Lab Co	ontrol Sa	amnle	9
Matrix: Water	// 1004						Choice	ounpe		ype: To		
Analysis Batch: 7973										Jher		
,, <u></u>			Spike	LCS	LCS				%Rec.			
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits			
Gasoline			990	900.1		ug/L		91	80 - 120			
	LCS	LCS										
Surrogate	%Recovery	Qualifier	Limits									13
4-Bromofluorobenzene (Surr)	102		68.7 - 141									
_ Lab Sample ID: LCSD 590-797	73/1013					Clie	ent Sam	ple ID:	Lab Contro	ol Sampl	e Dup	
Matrix: Water										ype: To		
Analysis Batch: 7973										21		
			Spike	LCSD	LCSD				%Rec.		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline			990	934.3		ug/L		94	80 - 120	4	20	
	LCSD	LCSD										
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	102		68.7 - 141									

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

Lab Sample ID: MB 590-7963/1-A Matrix: Water Analysis Batch: 7964	МВ					Client Sample ID: Method E Prep Type: Tota Prep Batch:			
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.120	0.0400	mg/L		08/08/16 14:04	08/08/16 18:23	1
Residual Range Organics (RRO) (C25-C36)	ND		0.200	0.0600	mg/L		08/08/16 14:04	08/08/16 18:23	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	82		50 - 150				08/08/16 14:04	08/08/16 18:23	1
n-Triacontane-d62	81		50 - 150				08/08/16 14:04	08/08/16 18:23	1

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

Lab Sample ID: LCS 590-796 Matrix: Water	3/2- A						Client	Sample	ID: Lab Control Sample Prep Type: Total/N
Analysis Batch: 7964									Prep Batch: 796
			Spike	LCS	LCS				%Rec.
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits
Diesel Range Organics (DRO)			4.02	2.966		mg/L		74	50 - 150
(C10-C25)									
Residual Range Organics (RRO)			4.01	3.648		mg/L		91	50 - 150
(C25-C36)									
	LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits						
o-Terphenyl	88		50 - 150						
n-Triacontane-d62	87		50 - 150						

TestAmerica Spokane

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

GC/MS VOA

Analysis Batch: 7952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-4153-1	GW-060493-080216-CP-MW-1	Total/NA	Water	8260C	
590-4153-2	GW-060493-080216-CP-MW-2	Total/NA	Water	8260C	
590-4153-3	GW-060493-080216-CP-MW-3	Total/NA	Water	8260C	
590-4153-4	GW-060493-080216-CP-MW-8	Total/NA	Water	8260C	
90-4153-5	GW-060493-080216-CP-VP-1	Total/NA	Water	8260C	
90-4153-6	GW-060493-080216-CP-VP-2	Total/NA	Water	8260C	
90-4153-7	GW-060493-080216-CP-VP-3	Total/NA	Water	8260C	
90-4153-8	GW-060493-080316-CP-VP-4	Total/NA	Water	8260C	
90-4153-9	GW-060493-080316-CP-VP-5	Total/NA	Water	8260C	
90-4153-10	GW-060493-080216-CP-VP-6	Total/NA	Water	8260C	
90-4153-13	ТВ	Total/NA	Water	8260C	
90-4153-14	ТВ	Total/NA	Water	8260C	
B 590-7952/5	Method Blank	Total/NA	Water	8260C	
CS 590-7952/1003	Lab Control Sample	Total/NA	Water	8260C	
90-4153-2 MS	GW-060493-080216-CP-MW-2	Total/NA	Water	8260C	
alysis Batch: 7953	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
90-4153-1	GW-060493-080216-CP-MW-1	Total/NA	Water	NWTPH-Gx	
90-4153-2	GW-060493-080216-CP-MW-2	Total/NA	Water	NWTPH-Gx	
90-4153-3	GW-060493-080216-CP-MW-3	Total/NA	Water	NWTPH-Gx	
90-4153-4	GW-060493-080216-CP-MW-8	Total/NA	Water	NWTPH-Gx	
90-4153-5	GW-060493-080216-CP-VP-1	Total/NA	Water	NWTPH-Gx	
90-4153-6	GW-060493-080216-CP-VP-2	Total/NA	Water	NWTPH-Gx	
90-4153-7	GW-060493-080216-CP-VP-3	Total/NA	Water	NWTPH-Gx	
90-4153-8	GW-060493-080316-CP-VP-4	Total/NA	Water	NWTPH-Gx	
90-4153-9	GW-060493-080316-CP-VP-5	Total/NA	Water	NWTPH-Gx	
90-4153-10	GW-060493-080216-CP-VP-6	Total/NA	Water	NWTPH-Gx	

Analysis Batch: 7971

LCS 590-7953/1004

590-4153-3 MS

Lab Control Sample

GW-060493-080216-CP-MW-3

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-4153-2	GW-060493-080216-CP-MW-2	Total/NA	Water	8260C	
590-4153-11	GW-060493-080316-CP-VP-7	Total/NA	Water	8260C	
590-4153-12	GW-060493-080316-CP-VP-8	Total/NA	Water	8260C	
LCS 590-7971/1003	Lab Control Sample	Total/NA	Water	8260C	
LCSD 590-7971/12	Lab Control Sample Dup	Total/NA	Water	8260C	

Total/NA

Total/NA

Water

Water

NWTPH-Gx

NWTPH-Gx

Analysis Batch: 7973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-4153-11	GW-060493-080316-CP-VP-7	Total/NA	Water	NWTPH-Gx	
590-4153-12	GW-060493-080316-CP-VP-8	Total/NA	Water	NWTPH-Gx	
LCS 590-7973/1004	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 590-7973/1013	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

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

GC Semi VOA

Prep Batch: 7963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-4153-1	GW-060493-080216-CP-MW-1	Total/NA	Water	3510C	
590-4153-2	GW-060493-080216-CP-MW-2	Total/NA	Water	3510C	
590-4153-3	GW-060493-080216-CP-MW-3	Total/NA	Water	3510C	
590-4153-4	GW-060493-080216-CP-MW-8	Total/NA	Water	3510C	
590-4153-5	GW-060493-080216-CP-VP-1	Total/NA	Water	3510C	
590-4153-6	GW-060493-080216-CP-VP-2	Total/NA	Water	3510C	
590-4153-7	GW-060493-080216-CP-VP-3	Total/NA	Water	3510C	
590-4153-8	GW-060493-080316-CP-VP-4	Total/NA	Water	3510C	
590-4153-9	GW-060493-080316-CP-VP-5	Total/NA	Water	3510C	
590-4153-10	GW-060493-080216-CP-VP-6	Total/NA	Water	3510C	
590-4153-11	GW-060493-080316-CP-VP-7	Total/NA	Water	3510C	
590-4153-12	GW-060493-080316-CP-VP-8	Total/NA	Water	3510C	
MB 590-7963/1-A	Method Blank	Total/NA	Water	3510C	
LCS 590-7963/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 7964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-4153-1	GW-060493-080216-CP-MW-1	Total/NA	Water	NWTPH-Dx	7963
590-4153-2	GW-060493-080216-CP-MW-2	Total/NA	Water	NWTPH-Dx	7963
590-4153-3	GW-060493-080216-CP-MW-3	Total/NA	Water	NWTPH-Dx	7963
590-4153-4	GW-060493-080216-CP-MW-8	Total/NA	Water	NWTPH-Dx	7963
590-4153-5	GW-060493-080216-CP-VP-1	Total/NA	Water	NWTPH-Dx	7963
590-4153-6	GW-060493-080216-CP-VP-2	Total/NA	Water	NWTPH-Dx	7963
590-4153-7	GW-060493-080216-CP-VP-3	Total/NA	Water	NWTPH-Dx	7963
590-4153-8	GW-060493-080316-CP-VP-4	Total/NA	Water	NWTPH-Dx	7963
590-4153-9	GW-060493-080316-CP-VP-5	Total/NA	Water	NWTPH-Dx	7963
590-4153-10	GW-060493-080216-CP-VP-6	Total/NA	Water	NWTPH-Dx	7963
590-4153-11	GW-060493-080316-CP-VP-7	Total/NA	Water	NWTPH-Dx	7963
590-4153-12	GW-060493-080316-CP-VP-8	Total/NA	Water	NWTPH-Dx	7963
MB 590-7963/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	7963
LCS 590-7963/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	7963

Initial

Amount

43 mL

43 mL

247.4 mL

Initial

Amount

43 mL

43 mL

43 mL

245.9 mL

Final

Amount

43 mL

43 mL

2 mL

Final

Amount

43 mL

43 mL

43 mL

2 mL

Batch

7952

7953

7963

7964

Batch

7952

7971

7953

7963

Number

Number

Dil

1

1

1

Dil

1

10

1

1

Factor

Factor

Run

Run

Batch

Туре

Analysis

Analysis

Analysis

Client Sample ID: GW-060493-080216-CP-MW-2

Prep

Batch

Туре

Analysis

Analysis

Analysis

Analysis

Client Sample ID: GW-060493-080216-CP-MW-3

Prep

Date Collected: 08/02/16 09:39

Date Received: 08/05/16 15:52

Date Collected: 08/02/16 13:07

Date Received: 08/05/16 15:52

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Client Sample ID: GW-060493-080216-CP-MW-1

Batch

Method

8260C

3510C

Batch

Method

8260C

8260C

3510C

NWTPH-Gx

NWTPH-Dx

NWTPH-Gx

NWTPH-Dx

Lab Sample ID: 590-4153-1

Analyst

MRS

MRS

EAF

NMI

Analyst

MRS

EAF

Matrix: Water

TAL SPK

TAL SPK

TAL SPK

TAL SPK

Lab

Lab

10

Matrix: Water

Lab Sample ID: 590-4153-2

Lab	
TAL SPK	

Lab Sample ID: 590-4153-3

Date Collected: 08/02/16 10:01 Date Received: 08/05/16 15:52

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	7952	08/08/16 14:26	MRS	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	7953	08/08/16 14:26	MRS	TAL SPK
Total/NA	Prep	3510C			244.2 mL	2 mL	7963	08/08/16 14:04	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			7964	08/08/16 19:33	NMI	TAL SPK

Client Sample ID: GW-060493-080216-CP-MW-8 Date Collected: 08/02/16 10:39 Date Received: 08/05/16 15:52

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	7952	08/08/16 15:11	MRS	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	7953	08/08/16 15:11	MRS	TAL SPK
Total/NA	Prep	3510C			246.8 mL	2 mL	7963	08/08/16 14:04	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			7964	08/08/16 19:51	NMI	TAL SPK

Client Sample ID: GW-060493-080216-CP-VP-1 Date Collected: 08/02/16 11:39 Date Received: 08/05/16 15:52

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	7952	08/08/16 15:33	MRS	TAL SPK

TestAmerica Spokane

Lab Sample ID: 590-4153-4

Lab Sample ID: 590-4153-5

Matrix: Water

Matrix: Water

Matrix: Water

08/08/16 13:20 TAL SF MRS 08/09/16 11:59 MRS TAL SF

Prepared

or Analyzed

08/08/16 12:58

08/08/16 12:58

08/08/16 14:04

08/08/16 18:58

Prepared

or Analyzed

08/08/16 13:20

08/08/16 14:04

7964 TAL SF 08/08/16 19:15 NMI

Lab Chronicle

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	7953	08/08/16 15:33	MRS	TAL SPK
Total/NA	Prep	3510C			247.1 mL	2 mL	7963	08/08/16 14:04	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			7964	08/08/16 20:09	NMI	TAL SPK

Client Sample ID: GW-060493-080216-CP-VP-2 Date Collected: 08/02/16 12:09 Date Received: 08/05/16 15:52

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	7952	08/08/16 15:56	MRS	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	7953	08/08/16 15:56	MRS	TAL SPK
Total/NA	Prep	3510C			246.8 mL	2 mL	7963	08/08/16 14:04	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			7964	08/08/16 20:26	NMI	TAL SPK

Client Sample ID: GW-060493-080216-CP-VP-3 Date Collected: 08/02/16 12:31

Date Received: 08/05/16 15:52

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	7952	08/08/16 16:18	MRS	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	7953	08/08/16 16:18	MRS	TAL SPK
Total/NA	Prep	3510C			242.4 mL	2 mL	7963	08/08/16 14:04	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			7964	08/08/16 20:44	NMI	TAL SPK

Client Sample ID: GW-060493-080316-CP-VP-4 Date Collected: 08/03/16 08:10 Date Received: 08/05/16 15:52

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	7952	08/08/16 16:40	MRS	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	7953	08/08/16 16:40	MRS	TAL SPK
Total/NA	Prep	3510C			246.5 mL	2 mL	7963	08/08/16 14:04	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			7964	08/08/16 21:02	NMI	TAL SPK

Client Sample ID: GW-060493-080316-CP-VP-5 Date Collected: 08/03/16 08:43 Date Received: 08/05/16 15:52

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	7952	08/08/16 17:02	MRS	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	7953	08/08/16 17:02	MRS	TAL SPK
Total/NA	Prep	3510C			241.3 mL	2 mL	7963	08/08/16 14:04	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			7964	08/08/16 21:38	NMI	TAL SPK

Lab Sample ID: 590-4153-7 Matrix: Water

TestAmerica Job ID: 590-4153-1

Lab Sample ID: 590-4153-6

Matrix: Water

Lab Sample ID: 590-4153-8

Matrix: Water

Lab Sample ID: 590-4153-9

Matrix: Water

TestAmerica Spokane

10

Initial

Amount

43 mL

43 mL

247.3 mL

Initial

Amount

43 mL

43 mL

242 8 ml

Final

Amount

43 mL

43 mL

2 mL

2 mL

Number

7952

7953

7963

7964

7963

7964

Dil

1

1

1

Dil

100

100

1

Factor

Factor

Run

Run

Batch

Туре

Analysis

Analysis

Analysis

Batch

Туре

Analysis

Analysis

Analysis

Prep

Client Sample ID: GW-060493-080316-CP-VP-7

Prep

Date Collected: 08/02/16 13:37

Date Received: 08/05/16 15:52

Date Collected: 08/03/16 07:39

Date Received: 08/05/16 15:52

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Client Sample ID: GW-060493-080216-CP-VP-6

Batch

Method

NWTPH-Gx

NWTPH-Dx

8260C

3510C

Batch

8260C

3510C

NWTPH-Gx

NWTPH-Dx

Method

Lab Sample ID: 590-4153-10

Matrix: Water

Matrix: Water

Lab

TAL SPK

TAL SPK

TAL SPK

TAL SPK

10

Final Batch Prepared Amount Number or Analyzed Analyst 43 mL 7971 08/09/16 12:21 MRS 43 mL 7973 08/09/16 12:21 MRS

08/08/16 14:04

08/08/16 22:13

Client Sample ID: GW-060493-080316-CP-VP-8 Date Collected: 08/03/16 09:19 Date Received: 08/05/16 15:52

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	7971	08/09/16 12:43	MRS	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	7973	08/09/16 12:43	MRS	TAL SPK
Total/NA	Prep	3510C			246.6 mL	2 mL	7963	08/08/16 14:04	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			7964	08/08/16 22:31	NMI	TAL SPK

Client Samp	le ID: TB							Lab Samp	le ID: 59	90-4153-13
	: 08/02/16 07:4 : 08/05/16 15:5	-							N	latrix: Water
_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	7952	08/08/16 18:52	MRS	TAL SPK
Client Samp	le ID: TB							Lab Samp	le ID: 5	90-4153-14

Client Sample ID: TB

Date Collected: 08/03/16 07:15 Date Received: 08/05/16 15:52

Γ	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	43 mL	43 mL	7952	08/08/16 19:14	MRS	TAL SPK

Laboratory References:

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

Matrix: Water

Lab Sample ID: 590-4153-12 Matrix: Water

FAF

NMI

or Analyzed Analyst Lab

08/08/16 17:24	MRS	TAL SPK
08/08/16 17:24	MRS	TAL SPK
08/08/16 14:04	EAF	TAL SPK
08/08/16 21:55	NMI	TAL SPK

Lab Sample ID: 590-4153-11

Batch Prepared

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

Q	ua	lifi	ers
_			

GC/M	h
GC/101	2

GC/IVIS VUA		
Qualifier	Qualifier Description	
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	E
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not	
	applicable.	
E	Result exceeded calibration range.	
GC Semi VOA		

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

Glossary

		 l S
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	1
CNF	Contains no Free Liquid	
DER	Duplicate error ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision level concentration	
MDA	Minimum detectable activity	
EDL	Estimated Detection Limit	
MDC	Minimum detectable concentration	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
NC	Not Calculated	
ND	Not detected at the reporting limit (or MDL or EDL if shown)	
PQL	Practical Quantitation Limit	
QC	Quality Control	
RER	Relative error ratio	
RL	Reporting Limit or Requested Limit (Radiochemistry)	
RPD	Relative Percent Difference, a measure of the relative difference between two points	
TEF	Toxicity Equivalent Factor (Dioxin)	
TEQ	Toxicity Equivalent Quotient (Dioxin)	

Certification Summary

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

12 13 14

Laboratory: TestAmerica Spokane

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

Authority	Program		EPA Region	Certification ID	Expiration Date
Washington	State Prog	ram	10	C569	01-06-17
Analysis Method	Prep Method	Matrix	Analyt	te	

TestAmerica Spokane

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Lab Vendor # 1354589 (TestAmerica)	DIMANSCORTATION	M DINER.							PAGE: 1 of
Blaine Tech Services, Inc.		BTSS	BTSS		SHEADDRESS: Block and City 210 NE 45th St., Seattle	St., Seattle		State W/A	AECOM Project / Taek Alumber
1 G80 Ropers Ave., San Jose, CA, 95112					Bassa Kuzaki Af	COM CALIFA WIA	500 A10 55		ALC: A R AND A
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206-438-2371 PAX	Di Te Ora	id tout	reine Keech@aeconi.com			Charg	Yeten	,	
TURNAROUND TIME (CALENDAR DAVS):	D' DAYS	Dra HOURS	ON MEEK	ON WEEKEND		UNIT COST REC	REQUESTED ANALYSIS	NON-UNIT COST	T
JUA - NWQCH REFORT FORMAT [JUST ADDICY:	Westlegten Dopt at Ecology	Enology				_			FIELD NOTES:
DELIVERABLES: [LEVEL] SEVEL 2 [JEVEL 3	ELEVEL 4	DIMER (SPECIFY)							
TEMPERATURE ON RECEIPT C' Cooter #1 U, CC	Cooler #2	Cool	Cooler #3		e Wate		>		TEMPERATURE ON RECEIPT C
NS OR NOT	Qa	SHELL CONTR DDD NOT NET DDD NOT NET PROVIDE LED	GHELL CONTRACT BATE APPLIES DFATE REHISURSCHISHT BATE APPLIES DDD NOT NEEDED DIJUCCUTY VERUFLONDON REQUESTED NUMBE LEDD 1935/	2015	LA3-55 BTEX St U.B-123 - WA NW Dx LA3-35 MTB6 LA3-36 TBA	LAS-30 TBA LAS-37 DIPE LAS-30 TAME LAS-39 ETBE	TPH-0	S Crygenatiss	Container P(D) Readings or Laboratory Notes
Field Sample Identification	SAMPLING DATE TIME	MATRIX HCL	PRESERVATIVE	E OTHER					
642- NOV993-080216-CP-MW-1	6260 21-45	tulle			XX		×		
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6W-400403-080216-4-11-8	1039	We X	-	6	XX		XX		
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2-4 1-6-91 2082 Ebh 000-12	1209	W6 X		6	X		x		
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Login Sample Receipt Checklist

Client: AECOM, Inc.

Login Number: 4153 List Number: 1

Creator: Arrington, Randee E

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Job Number: 590-4153-1

List Source: TestAmerica Spokane



THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

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

TestAmerica Job ID: 590-4191-1

Client Project/Site: 210 NE 45th St (60482000) Revision: 1

For:

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

Attn: Renee Knecht

Cardie Arrington

Authorized for release by: 9/6/2016 10:17:52 AM Randee Arrington, Project Manager II (509)924-9200 randee.arrington@testamericainc.com

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.

..... Links **Review your project** results through **Total** Access Have a Question? Ask-The Expert Visit us at: www.testamericainc.com

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Job ID: 590-4191-1

Laboratory: TestAmerica Spokane

Narrative

Revision

Changed the project/site description per the client's request.

Receipt

The samples were received on 8/10/2016 2:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.3° C.

GC/MS VOA

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

GC Semi VOA

Method NWTPH-Dx: The method blank for preparation batch 590-8038 and analytical batch 590-8039 contained Diesel Range Organics (DRO) (C10-C25) above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL); therefore, re-extraction and re-analysis of samples was not performed.

Method NWTPH-Dx: Detected hydrocarbons in the diesel range appear to be due to gasoline overlap in the following sample: GW-060493-080916-CP-MW-6 (590-4191-1).

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.

Lab Sample ID	Client Sample ID	Matrix	Collected Ree	ceived
590-4191-1	GW-060493-080916-CP-MW-6	Water	08/09/16 13:30 08/10	16 14:30
590-4191-2	Trip Blank	Water	08/09/16 12:00 08/10/	16 14:30

TestAmerica Spokane

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

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

Protocol References:

NWTPH = Northwest Total Petroleum Hydrocarbon

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

Laboratory References:

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

Client Sample ID: GW-060493-080916-CP-MW-6

Lab Sample ID: 590-4191-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D Method	Prep Type
Benzene	162		2.00	0.930	ug/L	10	8260C	Total/NA
Ethylbenzene	493		10.0	1.98	ug/L	10	8260C	Total/NA
m,p-Xylene	427		20.0	2.80	ug/L	10	8260C	Total/NA
o-Xylene	9.87	J	10.0	1.62	ug/L	10	8260C	Total/NA
Toluene	17.4		10.0	3.12	ug/L	10	8260C	Total/NA
Xylenes, Total	437		30.0	1.62	ug/L	10	8260C	Total/NA
Gasoline	5180		1000	178	ug/L	10	NWTPH-Gx	Total/NA
Diesel Range Organics (DRO) (C10-C25)	1.18	В	0.121	0.0402	mg/L	1	NWTPH-Dx	Total/NA
Residual Range Organics (RRO) (C25-C36)	0.372		0.201	0.0603	mg/L	1	NWTPH-Dx	Total/NA

Client Sample ID: Trip Blank

No Detections.

4 5 6 Lab Sample ID: 590-4191-2

This Detection Summary does not include radiochemical test results.

TestAmerica Spokane

TestAmerica Job ID: 590-4191-1

Lab Sample ID: 590-4191-1

Matrix: Water

Client Sample ID: GW-060493-080916-CP-MW-6 Date Collected: 08/09/16 13:30

Date Received: 08/10/16 14:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	162		2.00	0.930	ug/L			08/15/16 10:19	10
Ethylbenzene	493		10.0	1.98	ug/L			08/15/16 10:19	10
m,p-Xylene	427		20.0	2.80	ug/L			08/15/16 10:19	10
o-Xylene	9.87	J	10.0	1.62	ug/L			08/15/16 10:19	10
Toluene	17.4		10.0	3.12	ug/L			08/15/16 10:19	10
Xylenes, Total	437		30.0	1.62	ug/L			08/15/16 10:19	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		70 - 125					08/15/16 10:19	10
4-Bromofluorobenzene (Surr)	107		69 - 120					08/15/16 10:19	10
Dibromofluoromethane (Surr)	96		80 - 120					08/15/16 10:19	10
Toluene-d8 (Surr)	100		80 - 120					08/15/16 10:19	10
_ Method: NWTPH-Gx - Nort	hwest - Volatile	e Petroleur	n Products	GC/MS)					
Analyte		Qualifier	RL	· · · ·	Unit	D	Prepared	Analyzed	Dil Fac

Cusonino	0100						1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	107		68.7 - 141		08/15/16 10:19	10	

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

Analyte	Result	Qualifier	RL	MDL	Únit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	1.18	В	0.121	0.0402	mg/L		08/11/16 08:51	08/11/16 13:17	1
Residual Range Organics (RRO) (C25-C36)	0.372		0.201	0.0603	mg/L		08/11/16 08:51	08/11/16 13:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	77		50 - 150				08/11/16 08:51	08/11/16 13:17	1
n-Triacontane-d62	78		50 - 150				08/11/16 08:51	08/11/16 13:17	1

Client Sample ID: Trip Blank Date Collected: 08/09/16 12:00 Date Received: 08/10/16 14:30

Method: 8260C - Volatile Organic Compounds by GC/MS Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Benzene ND 0.200 0.0930 ug/L 08/15/16 10:41 1 Ethylbenzene ND 0.198 ug/L 08/15/16 10:41 1.00 1 0.280 ug/L m,p-Xylene ND 2.00 08/15/16 10:41 1 o-Xylene ND 1.00 0.162 ug/L 08/15/16 10:41 1 Toluene ND 1.00 0.312 ug/L 08/15/16 10:41 1 ND 0.162 ug/L Xylenes, Total 3.00 08/15/16 10:41 1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 125		08/15/16 10:41	1
4-Bromofluorobenzene (Surr)	105		69 - 120		08/15/16 10:41	1
Dibromofluoromethane (Surr)	103		80 - 120		08/15/16 10:41	1
Toluene-d8 (Surr)	103		80 - 120		08/15/16 10:41	1

Lab Sample ID: 590-4191-2

Matrix: Water

Analysis Batch: 8063

Toluene-d8 (Surr)

Client Sample ID: Method Blank

08/15/16 09:58

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

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

Lab Sample ID: MB 590-8063/5 Matrix: Water

-	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.200	0.0930	ug/L			08/15/16 09:58	1
Ethylbenzene	ND		1.00	0.198	ug/L			08/15/16 09:58	1
m,p-Xylene	ND		2.00	0.280	ug/L			08/15/16 09:58	1
o-Xylene	ND		1.00	0.162	ug/L			08/15/16 09:58	1
Toluene	ND		1.00	0.312	ug/L			08/15/16 09:58	1
Xylenes, Total	ND		3.00	0.162	ug/L			08/15/16 09:58	1
	MB	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		70 - 125			-		08/15/16 09:58	1
4-Bromofluorobenzene (Surr)	104		69 - 120					08/15/16 09:58	1
Dibromofluoromethane (Surr)	104		80 - 120					08/15/16 09:58	1

80 - 120

Lab Sample ID: LCS 590-8063/1003 Matrix: Water Analysis Batch: 8063

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	10.0	9.693		ug/L		97	80 - 120	
Ethylbenzene	10.0	10.14		ug/L		101	80 - 120	
m,p-Xylene	10.0	9.973		ug/L		100	80 - 120	
o-Xylene	10.0	10.53		ug/L		105	80 - 120	
Toluene	10.0	10.00		ug/L		100	80 - 123	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		70 - 125
4-Bromofluorobenzene (Surr)	102		69 - 120
Dibromofluoromethane (Surr)	99		80 - 120
Toluene-d8 (Surr)	100		80 - 120

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

107

Lab Sample ID: MB 590-8065/ Matrix: Water Analysis Batch: 8065	5					1		ple ID: Method Prep Type: To	
· ····· ·	МВ	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		100	17.8	ug/L			08/15/16 09:58	1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		68.7 - 141					08/15/16 09:58	1

TestAmerica Spokane

9/6/2016

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	(60482000)												
ethod: NWTPH-Gx - I	Northwest	- V	olatile	Petroleur	n Proc	ducts	s (G	C/MS	S) (C	Cor	ntinue	d)	
ab Sample ID: LCS 590-8	3065/1004							CI	ient S	San	nple ID:	Lab Control	
Aatrix: Water												Prep Type: T	otal/NA
Analysis Batch: 8065				Spiko	1.09	LCS						%Rec.	
Analyte				Spike Added	Result		fior	Unit		D	%Rec	%Rec. Limits	
Gasoline				998	844.0	Guan		ug/L			85	80 - 120	
					0.110			~ <u>9</u> , _				00 - 120	
	LCS												
Surrogate -Bromofluorobenzene (Surr)	%Recovery 104	Qua		Limits 58.7 - 141									
-Bromonuorobenzene (Sun)	104			00.7 - 141									
ab Sample ID: 590-4203- /atrix: Water	A-2 MS									Cli	ent Sar	nple ID: Matri Prep Type: T	
nalysis Batch: 8065													
	Sample	Sam	nple	Spike	MS	MS						%Rec.	
nalyte	Result	Qua	lifier	Added	Result	Quali	fier	Unit		D	%Rec	Limits	
Basoline	288			963	1105			ug/L			85 5	55.6 - 126	
	MS	MS											
urrogate	%Recovery	Qua	lifier	Limits									
- J													
-Bromofluorobenzene (Surr)	106 Northwest	- S		58.7 - 141 Diatile Pet	roleun	n Pro	odu	cts (GC)				
-Bromofluorobenzene (Surr) ethod: NWTPH-Dx - N .ab Sample ID: MB 590-80 Matrix: Water	Northwest	- S			roleun	n Pro	odu	cts (Clie	nt Sam	ple ID: Metho Prep Type: T	otal/NA
-Bromofluorobenzene (Surr) ethod: NWTPH-Dx - N .ab Sample ID: MB 590-80 Matrix: Water	Northwest 038/1-A		emi-Vo		roleun	n Pro	odu	cts (Clie	nt Sam		otal/NA
Bromofluorobenzene (Surr) ethod: NWTPH-Dx - N ab Sample ID: MB 590-80 Matrix: Water Malysis Batch: 8039	Northwest 038/1-A	МВ	emi-Vc мв	olatile Pet				cts (C			Prep Type: T Prep Batc	otal/NA h: 8038
-Bromofluorobenzene (Surr) ethod: NWTPH-Dx - N .ab Sample ID: MB 590-80 Matrix: Water Analysis Batch: 8039	Northwest 038/1-A Rea	МВ	emi-Vo MB Qualifier		- 1	MDL (Unit	cts (C	Pre	epared	Prep Type: T	otal/NA ch: 8038 Dil Fac
-Bromofluorobenzene (Surr) ethod: NWTPH-Dx - N ab Sample ID: MB 590-80 Matrix: Water malysis Batch: 8039 malyte liesel Range Organics (DRO)	Northwest 038/1-A Rea	MB sult	emi-Vo MB Qualifier	platile Petr	- 0 0.0	MDL U 0400 r	Unit mg/L	cts (C	Pre	epared	Prep Type: T Prep Bato Analyzed	otal/NA ch: 8038 Dil Fac
-Bromofluorobenzene (Surr) ethod: NWTPH-Dx - N ab Sample ID: MB 590-80 Matrix: Water malysis Batch: 8039 malyte iesel Range Organics (DRO) C10-C25) esidual Range Organics (RRO)	Northwest 038/1-A Rea	MB sult	emi-Vo MB Qualifier	platile Petr	- 0 0.0	MDL (Unit mg/L	cts (D 0	Pr 08/11	epared //16 08:51	Prep Type: T Prep Bato Analyzed	otal/NA ch: 8038 Dil Fac
Bromofluorobenzene (Surr) ethod: NWTPH-Dx - N ab Sample ID: MB 590-80 latrix: Water analysis Batch: 8039 nalyte iesel Range Organics (DRO) 210-C25) esidual Range Organics (RRO)	Northwest 038/1-A Re: 0.04	MB sult	MB Qualifier	platile Petro 	- 0 0.0	MDL U 0400 r	Unit mg/L	cts (D 0	Pr 08/11	epared //16 08:51	Prep Type: T Prep Batc Analyzed 08/11/16 11:26	otal/NA ch: 8038 Dil Fac
-Bromofluorobenzene (Surr) ethod: NWTPH-Dx - N Lab Sample ID: MB 590-80 Matrix: Water Analysis Batch: 8039 Analyte Diesel Range Organics (DRO) C10-C25) Residual Range Organics (RRO) C25-C36) Surrogate	Northwest 038/1-A Re 0.04	MB sult 195 ND MB yery	MB Qualifier	Diatile Petro RL 0.120 0.200 Limits	- 0.0 0 0.0	MDL U 0400 r	Unit mg/L	cts (D 0	Pr 08/11 08/11	epared /16 08:51 /16 08:51 epared	Prep Type: T Prep Batc 08/11/16 11:26 08/11/16 11:26 Analyzed	Dil Fac
Bromofluorobenzene (Surr) ethod: NWTPH-Dx - N ab Sample ID: MB 590-80 Matrix: Water malysis Batch: 8039 malyte liesel Range Organics (DRO) C10-C25) esidual Range Organics (RRO) C25-C36) urrogate Terphenyl	Northwest 038/1-A Re 0.04	MB sult 195 ND MB very 83	MB Qualifier J	Diatile Petro RL 0.120 0.200 <u>Limits</u> 50 - 150	- 0.0 0 0.0	MDL U 0400 r	Unit mg/L	cts (Pr 08/11 08/11 Pr 08/11	epared 1/16 08:51 1/16 08:51 epared 1/16 08:51	Analyzed 08/11/16 08/11/16 11:26 08/11/16 08/11/16 08/11/16	Dil Fac 1 1 1 1 1 1 1
-Bromofluorobenzene (Surr) ethod: NWTPH-Dx - N ab Sample ID: MB 590-80 Matrix: Water malysis Batch: 8039 malyte liesel Range Organics (DRO) C10-C25) lesidual Range Organics (RRO) C25-C36) furrogate -Terphenyl	Northwest 038/1-A Re 0.04	MB sult 195 ND MB yery	MB Qualifier J	Diatile Petro RL 0.120 0.200 Limits	- 0.0 0 0.0	MDL U 0400 r	Unit mg/L	cts (Pr 08/11 08/11 Pr 08/11	epared 1/16 08:51 1/16 08:51 epared 1/16 08:51	Prep Type: T Prep Batc 08/11/16 11:26 08/11/16 11:26 Analyzed	Dil Fac 1 1 1 1 1 1 1
-Bromofluorobenzene (Surr) ethod: NWTPH-Dx - N ab Sample ID: MB 590-80 Matrix: Water malysis Batch: 8039 malyte liesel Range Organics (DRO) C10-C25) tesidual Range Organics (RRO) C25-C36) furrogate -Terphenyl -Triacontane-d62	Northwest 038/1-A 	MB sult 195 ND MB very 83	MB Qualifier J	Diatile Petro RL 0.120 0.200 <u>Limits</u> 50 - 150	- 0.0 0 0.0	MDL U 0400 r	Unit mg/L			Pr/ 08/11 08/11 08/11 08/11	epared 1/16 08:51 1/16 08:51 epared 1/16 08:51 1/16 08:51	Analyzed 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26	Dil Fac 1 1 1 1 1 1 1 1 1 1
Bromofluorobenzene (Surr) ethod: NWTPH-Dx - N ab Sample ID: MB 590-80 latrix: Water analysis Batch: 8039 nalyte iesel Range Organics (DRO) 210-C25) esidual Range Organics (RRO) 225-C36) urrogate Terphenyl Triacontane-d62 ab Sample ID: LCS 590-8	Northwest 038/1-A 	MB sult 195 ND MB very 83	MB Qualifier J	Diatile Petro RL 0.120 0.200 <u>Limits</u> 50 - 150	- 0.0 0 0.0	MDL U 0400 r	Unit mg/L			Pr/ 08/11 08/11 08/11 08/11	epared 1/16 08:51 1/16 08:51 epared 1/16 08:51 1/16 08:51	Analyzed 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26	bil Fac Dil Fac Dil Fac 1 1 Dil Fac 1 Sample
-Bromofluorobenzene (Surr) ethod: NWTPH-Dx - N ab Sample ID: MB 590-80 Matrix: Water Analysis Batch: 8039 Malyte Diesel Range Organics (DRO) C10-C25) Residual Range Organics (DRO) C25-C36) Surrogate -Terphenyl -Triacontane-d62 ab Sample ID: LCS 590-8 Matrix: Water	Northwest 038/1-A 	MB sult 195 ND MB very 83	MB Qualifier J	Diatile Petro RL 0.120 0.200 <u>Limits</u> 50 - 150	- 0.0 0 0.0	MDL U 0400 r	Unit mg/L			Pr/ 08/11 08/11 08/11 08/11	epared 1/16 08:51 1/16 08:51 epared 1/16 08:51 1/16 08:51	Analyzed 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26	Total/NAbit Fac111 </td
Bromofluorobenzene (Surr) ethod: NWTPH-Dx - N ab Sample ID: MB 590-80 latrix: Water analysis Batch: 8039 nalyte lesel Range Organics (DRO) C10-C25) esidual Range Organics (RRO) C25-C36) urrogate -Terphenyl -Triacontane-d62 ab Sample ID: LCS 590-8 latrix: Water	Northwest 038/1-A 	MB sult 195 ND MB very 83	MB Qualifier J	Diatile Petro RL 0.120 0.200 <u>Limits</u> 50 - 150	- 0.0 0 0.0	MDL U 0400 r	Unit mg/L			Pr/ 08/11 08/11 08/11 08/11	epared 1/16 08:51 1/16 08:51 epared 1/16 08:51 1/16 08:51	Analyzed 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26 08/11/16 11:26	Total/NAbit Fac111 </td
-Bromofluorobenzene (Surr) ethod: NWTPH-Dx - N ab Sample ID: MB 590-80 Matrix: Water Analysis Batch: 8039 malyte Diesel Range Organics (DRO) C10-C25) tesidual Range Organics (RRO) C25-C36) Surrogate -Terphenyl -Triacontane-d62 ab Sample ID: LCS 590-8	Northwest 038/1-A 	MB sult 195 ND MB very 83	MB Qualifier J	Diatile Petro RL 0.120 0.200 Limits 50 - 150 50 - 150	- 0.0 0 0.0	MDL U 0400 r 0600 r	Unit mg/L mg/L			Pro 08/11 08/11 Pri 08/11 08/11 San	epared 1/16 08:51 1/16 08:51 epared 1/16 08:51 1/16 08:51	Analyzed 08/11/16 11/16 11/16 11/16 11/16 11/16 11/16 11/16 11/16 11/16 11/16 11/16 11/16 11/16 11/16 11/16 11/16 11/16 11/16 11/16 </td <td>Total/NAbit Fac111<!--</td--></td>	Total/NAbit Fac111 </td
Bromofluorobenzene (Surr) ethod: NWTPH-Dx - N ab Sample ID: MB 590-80 Matrix: Water analysis Batch: 8039 malyte iesel Range Organics (DRO) C10-C25) esidual Range Organics (RRO) C25-C36) urrogate Terphenyl -Triacontane-d62 ab Sample ID: LCS 590-8 Matrix: Water malysis Batch: 8039	Northwest 038/1-A 	MB sult 195 ND MB very 83	MB Qualifier J	Diatile Petr RL 0.120 0.200 <u>Limits</u> 50 - 150 50 - 150 Spike	00.0	MDL U 0400 r 0600 r	Unit mg/L mg/L	CI		Pro 08/11 08/11 Pri 08/11 08/11 San	epared 1/16 08:51 1/16 08:51 1/16 08:51 1/16 08:51 1/16 08:51	Analyzed 08/11/16 11:26 108/11/16 11:26	Total/NAbit Fac111 </td

	LCS LCS	
Surrogate	%Recovery Qualifier	· Limits
o-Terphenyl	82	50 - 150
n-Triacontane-d62	84	50 - 150

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

TestAmerica	loh	ın·	500_/101_1
restAmenca	JOD	ID.	390-4191-1

GC/MS VOA

Analysis Batch: 8063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-4191-1	GW-060493-080916-CP-MW-6	Total/NA	Water	8260C	
590-4191-2	Trip Blank	Total/NA	Water	8260C	
MB 590-8063/5	Method Blank	Total/NA	Water	8260C	
LCS 590-8063/1003	Lab Control Sample	Total/NA	Water	8260C	
Analysis Batch: 806	5				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-4191-1	GW-060493-080916-CP-MW-6	Total/NA	Water	NWTPH-Gx	
MB 590-8065/5	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 590-8065/1004	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
590-4203-A-2 MS	Matrix Spike	Total/NA	Water	NWTPH-Gx	
GC Semi VOA					
rep Batch: 8038					

QC Association Summary

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-4191-1	GW-060493-080916-CP-MW-6	Total/NA	Water	3510C	
MB 590-8038/1-A	Method Blank	Total/NA	Water	3510C	
LCS 590-8038/2-A	Lab Control Sample	Total/NA	Water	3510C	
Analysis Batch: 803			Matrix	Method	Duca Botch
Lab Sample ID	Client Sample ID	Prep Type			Prep Batch
590-4191-1	GW-060493-080916-CP-MW-6	Total/NA	Water	NWTPH-Dx	8038
MB 590-8038/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	8038
LCS 590-8038/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	8038

Lab Sample ID: 590-4191-1

Lab Sample ID: 590-4191-2

Matrix: Water

Matrix: Water

Client Sample ID: GW-060493-080916-CP-MW-6

Date Collected: 08/09/16 13:30 Date Received: 08/10/16 14:30

Date Received	: 08/10/16 1	4:30								
	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	43 mL	43 mL	8063	08/15/16 10:19	MRS	TAL SPK
Total/NA	Analysis	NWTPH-Gx		10	43 mL	43 mL	8065	08/15/16 10:19	MRS	TAL SPK
Total/NA	Prep	3510C			248.7 mL	2 mL	8038	08/11/16 08:51	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			8039	08/11/16 13:17	NMI	TAL SPK

Client Sample ID: Trip Blank Date Collected: 08/09/16 12:00 Date Received: 08/10/16 14:30

Γ	Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	8260C		1	43 mL	43 mL	8063	08/15/16 10:41	MRS	TAL SPK	

Laboratory References:

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

TestAmerica Spokane

Qualifiers

GC	/MS	VOA
00		

GC/IVIS VUA	
Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC Semi VC	A
Qualifier	Qualifier Description
В	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis

Abbreviation	These commonly used abbreviations may or may not be present in this report.	0
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	- 3
%R	Percent Recovery	
CFL	Contains Free Liquid	
CNF	Contains no Free Liquid	
DER	Duplicate error ratio (normalized absolute difference)	11
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	13
EDL	Estimated Detection Limit	
MDC	Minimum detectable concentration	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
NC	Not Calculated	
ND	Not detected at the reporting limit (or MDL or EDL if shown)	
PQL	Practical Quantitation Limit	
QC	Quality Control	
RER	Relative error ratio	
RL	Reporting Limit or Requested Limit (Radiochemistry)	
RPD	Relative Percent Difference, a measure of the relative difference between two points	
TEF	Toxicity Equivalent Factor (Dioxin)	
TEQ	Toxicity Equivalent Quotient (Dioxin)	

Certification Summary

Laboratory: TestAmerica Spokane

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

Authority	Program		EPA Region	Certification ID	Expiration Date
Washington	State Prog	gram	10	C569	01-06-17
	Deers Mathead	Mathia	A		
Analysis Method	Prep Method	Matrix	Analyt	e	

TestAmerica Spokane

		DTHER	TRANSPORTATION	Lab Vendor # 1364589 (TestAmerica)
PO # GSAP Project II	Clubes	CONSULTANT		
Renee Knecht	RETAIL		DIGW FDG	
Print Bill To Contact Name: PlaNet Site or Proje)XC	Please Check Appropriate Box:	Please Che	
Shell Oil Products US Chain Of Custody Record	Shell O	0		
	1	1		
	3	1	8 9 0	1 2 3 4 5 6

LAB (LOCATION)		Shell	Shell Oil Products US Chain Of C	in Of Custody Record	AICOM
	Pleas	Please Check Appropriate Box:		PlaNet Site or Project ID	CHECK IF NO INCIDENT # APPLIES
JESTAMERICA (GW FDG	PIPELINE CRETAIL	Renee Knecht		DATE: 8/9/16
Daher (CHEMICALS		PO #	GSAP Project ID	
Lab Vendor # 1364589 (TestAmerica)	RANSPORTATION	DTHER			PAGE of
Blaine Tech Services, Inc.		BTSS	1013 NE 45th St., Seattle	State AECOM P	AECOM Project / Task Number: 60482029
ACORESS 1680 Rogers Ave., San Jose, CA, 95112					AECOM Other ID
PROJECT CONTACT (Hardcopy or PDF Report to):	Renee Knecht		Renee Knecht, AECOM, Seattle, WA 206-4 SAMPLER NAWE(8) (Prim)	206-438-2371 renee_knecht@aecom_com	LAB USE ONLY
	Bill To Contact E-MAIL	renee.knecht@aecom.com	(vaig the		
TURNAROUND TIME (CALENDAR DAYS);	DAYS	P4 HOURS RESULTS NEEDED	UNIT COST	REQUESTED ANALYSIS NON-UNIT COST	
LA - RWQCB REPORT FORMAT JUST AGENCY:	Washington Dept of Ecology				FIELD NOTES:
DELIVERABLES: DEVEL 1 SEVEL 2 DEVEL 3	DEVEL 4 DI	DTHER (SPECIFY)			
TEMPERATURE ON RECEIPT C* Cooler #1	Cooler #2	Cooler #3			IEMPERATORE ON RECEIPT C
SPECIAL INSTRUCTIONS OR NOTES :		SHELL CONTRACT RATE APPLIES	A A ME		1.35 TROO3
		PROVIDE LEDD DISK	LAB-35 M LAB-36 T LAB-36 T LAB-36 T LAB-37 D LAB-38 T LAB-39 E	WA - NW Total Lear	Container PID Readings or Laboratory Notes
Field Sample Identification	SAMPLING	MATRIX	NO. OF		
USE	DATE TIME	HCL HNO3 H2SO4 NONE OTHER	CNT		
7 mm - do- 012080- Ebh00-MD	0261 2/0/8	WG X III	6 XX X	×	
TB	4 1200 1	w6 ×	2 X		
				590-4191 Chain of Custody	
					-
Keenquared by (Sopped)		Received by (Signature)		1/19/8/11/16	Time.
Reinquisties birdsignature)	5	Received by (Signature)		-	Time 2
Relinquished by (Signature)	70	Recoved by (Skynature) 4 10 The	R th 1	or stolle	1230
			J	-	
					Version: 14Dec15

- 1---

Login Sample Receipt Checklist

Client: AECOM, Inc.

Login Number: 4191 List Number: 1 Creator: Kratz, Sheila J

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Job Number: 590-4191-1

List Source: TestAmerica Spokane