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Our ref: 11218519

August 11, 2021

Mr. Jerome Cruz
Washington Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue WA 98008-5452

Quarterly Progress Report
Shell Harbor Island Terminal, Seattle, Washington

Dear Mr. Cruz

GHD has prepared this letter on behalf of Equilon Enterprises dba Shell Oil Products US (Shell) as a progress report update for the Seattle Terminal (Site) MTCA remedial action in accordance with Consent Decree No. 99-2-07176-0SEA Section XI. With approval from the Department of Ecology (Ecology), the first quarter groundwater monitoring event was delayed from March to April to coordinate gauging wells within the SH-04 Area with gauging for wells at the Kinder Morgan facility. Therefore, the previous progress report covered the period from January 1 to April 13, 20201, and this progress report covers the period from April 14, 2021 to June 30, 2021.

Table 1 summarizes Groundwater Cleanup Levels established for the Site, and Table 2 summarizes the established groundwater monitoring program. Depth to groundwater and groundwater elevation data are summarized in Table 3, and product gauging data in Table 4. Natural attenuation parameters are summarized in Table 5, and chemical constituent data are summarized in Tables 6 and 7.

1. Current Reporting Period Activities

- Monthly gauging events with product monitoring were conducted at monitoring wells MW-208, MW-210, MW-211, and MW-212 on May 12 and June 14, 2021 within the Shoreline Manifold Area (the April 2021 event was discussed in the previous Quarterly Progress Report). The absorbent socks in wells MW-210 and MW-212 were changed, as needed, during each monthly event. Measurable free product of 0.04 feet was recorded in well MW-210 during the May event, and none was detected during the June event. Measurable free product was not detected in wells MW-208, MW-211, or MW-212 during the monthly gauging events.
- The second quarter groundwater monitoring event was conducted on June 14, 15, and 16, 2021 in accordance with the groundwater monitoring program as shown on Table 2.
    - Monitoring wells gauged during this event included: MW-101, MW-102, MW-201 through MW-204, MW-206A, MW-301 through MW-304, MW-307 through MW-310, MW-312, MW-313, and MW-315, TES-MW-1, and TX-03A in the TX-03A area, MW-208 and MW-210 through MW-214 in the Shoreline

Manifold area, and MW-05, MW-104, MW-111, MW-112A, and SH-04 in the SH-04 area. Note that MW-311 and MW-314 were parked over during the gauging event and were inaccessible.

- Monitoring wells sampled during this event included: MW-202, MW-203, MW-301 through MW-304, MW-307 through MW-310, MW-312, MW-313, MW-315, and TX-03A in the TX-03A area, MW-213 and MW-214 in the Shoreline Manifold area, and MW-05, MW-104, MW-111, MW-112A, and SH-04 in the SH-04 area. Note that MW-311 and MW-314 were parked over during the sampling event and were inaccessible.
- Note that GHD did receive gauging data for the Kinder Morgan facility in May 2021 but not X/Y coordinate data. We are working with Arcadis on tying our base maps together to develop a coordinated flow diagram for the April 2021 gauging event, which will be provided under separate cover.

The groundwater monitoring results from this event will be summarized in the 2021 Annual Compliance Monitoring Report.

2. Deviations from Required Tasks Not Otherwise Documented

2.1 MW-311 and MW-314 Inaccessible

Wells MW-311 and MW-314 were parked over during the second quarter event and inaccessible for gauging or sampling.

2.2 TX 03A Area Bio-Sparge System

The bio-sparging system was shut off December 6, 2019, and rebound testing was initiated. Wells evaluated for rebound testing include MW-301 through MW-304, MW-307 through MW-311, and TX-03A. Benzene concentrations in the wells within the bio-sparging area during the June 2021 event remained below cleanup levels, except for well MW-307. Total petroleum hydrocarbons (TPH) as gasoline (TPHg) exceeded cleanup levels in wells MW-303 and MW-307. Gasoline concentrations in all wells remain lower than concentrations reported between 2012 and 2016, prior to system operation, except for well MW-311, which was inaccessible during this event. Concentrations in well MW-311 may decrease as treated groundwater from the remediation system travels in the downgradient direction from the treatment area. Based on these results, GHD does not recommend restarting the bio sparge system, and we will submit a request for removal of the system under separate cover. Rebound monitoring will continue pending approval of system removal.

3. Deviations from Schedule and Any Planned Deviations in Upcoming Reporting Period

No deviations are currently planned for the third quarter 2021.

4. Plan for any Deviations in Schedule for Recovery of List Time and Maintaining Compliance with Schedule

None.

5. All Raw Data (including laboratory analysis) Received by Shell during the Past Quarter and a List of Deliverables for the Upcoming Reporting Period

- The groundwater cleanup levels are provided on Table 1, and the groundwater monitoring program is provided in Table 2. The groundwater elevation data, product monitoring data, compliance monitoring natural attenuation parameters, and groundwater sample results for the second quarter 2021 are included with the historical data on Tables 3 through 7. New groundwater data from the second quarter 2021 are highlighted on these tables in yellow.
- The laboratory report for the second quarter groundwater monitoring event is included in Attachment A.
- Groundwater samples were analyzed for one or more of the following during the second quarter 2021 groundwater monitoring event in accordance with Table 2:
    - Total Lead
    - Volatile organic compounds: BTEX
    - TPHg, TPH as diesel, TPH as oil
    - Polycyclic Aromatic Hydrocarbons
- A data quality review report is included in Appendix B.

6. List of Deliverables for the Upcoming Reporting Period if Different from the Schedule

None.

7. List of Deliverables in Review with Washington State Ecology or Other Agency

- AECOM, 2020a. Shell Harbor Island Terminal Major Remedial Efforts Summary (2016-2020). April 2.
- AECOM, 2020b. Shell Harbor Island Terminal Bio-Sparging System. April 9.
- AECOM, 2020c. Env-Agency Correspondence CONSENT DECREE 99-2-07176-0SEA Quarterly Progress Report, May 15, 2020. May 15.
- AECOM, 2020d. Env-Agency Correspondence CONSENT DECREE 99-2-07176-0SEA Quarterly Progress Report, August 14, 2020. August 14.
- GHD, 2020. Env-Agency Correspondence CONSENT DECREE 99-2-07176-0SEA Quarterly Progress Report, November 13, 2020. November 13.
- GHD, 2021a. Env-Agency Correspondence CONSENT DECREE 99-2-07176-0SEA 2020 Annual Compliance Monitoring Report, February 15, 2021.February 15.
- GHD, 2021b. Shell Harbor Island Terminal Interim Action Report. March 11.
- GHD, 2021c. Env-Agency Correspondence CONSENT DECREE 99-2-07176-0SEA Quarterly Progress Report, May 13, 20201. May 13.

Please do not hesitate to contact me at (707) 540 9686. If you have any questions or comments.

Sincerely,

GHD

Jacquelyn L. England, LG

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Encl.

Tables:

Table 1 Groundwater Cleanup Levels
Table 2 Groundwater Monitoring Program
Table 3 Groundwater Elevation Data
Table 4 Performance Product Monitoring Data
Table 5 Compliance Monitoring Natural Attenuation Parameters
Table 6 BTEX, Petroleum Hydrocarbons, and Lead in Groundwater
Table 7 Carcinogenic PAHs in Groundwater

Attachments:

Attachment A - Laboratory Report
Attachment B - Data Quality Review Report

cc: Andrea Wing – Shell Oil Products US
Melanie Moore, Seattle Terminal Manager – Shell Oil Products US
Theresa Geijer, Helen Thornhill – Shell Terminal Environmental Manager

Tables

Table 1
Groundwater Cleanup Levels
Shell Harbor Island Terminal
Seattle, Washington

Constituent	Cleanup Level[a] (mg/L)
Arsenic	0.036[b]
Benzene	0.071
Benzo(a)anthracene	0.000031
Benzo(a)pyrene	0.000031
Benzo(b)fluoranthene	0.000031
Benzo(k)fluoranthene	0.000031
Chrysene	0.000031
Dibenzo(a,h)anthracene	0.000031
Ethylbenzene	29.0
Indeno(1 ,2,3-cd)pyrene	0.000031
Lead	0.0058
TPH-G	1.0
TPH-D	10
TPH-O	10
Toluene	200.0

Notes:

[a] Cleanup levels per the Consent Decree (Ecology, 1998), except where noted.

[b] Cleanup level based on ambient water quality criteria (chronic criteria for the protection of aquatic organisms) per WAC 173-201A-040.

mg/L = milligrams per liter

TPH-D = total petroleum hydrocarbons as diesel

TPH-G = total petroleum hydrocarbons as gasoline

TPH-O = total petroleum hydrocarbons as oil

Table 2
Groundwater Monitoring Program
Shell Harbor Island Terminal
Seattle, Washington

Well	Schedule								Analysis						Compliance Monitoring Well Network		Well Class		Well Construction		
	1Q		2Q		3Q		4Q (2nd Semi-Annual & Annual)														
	Gauge	Sample	Gauge	Sample	Gauge	Sample	Gauge	Sample	Total Lead	BTEX	TPH-Gx	TPH-Dx	PAHs	NA Parameters	Performance Product	NA Performance	Groundwater Quality Confirmation	Sentry	Total Depth (ft bgs)	Screened Interval (ft bgs)	Comments and Deviations from Monitoring Program
TX-03A Area - North Tank Farm																					
MW-201	G		G		G		G	S		X	X	X						X	15	5.0 - 14.5	
MW-202	G		G	S	G		G	S		$_{X}$A	X	X		$_{X}$A		X			15	5.0 - 14.5	
MW-203	G		G	S	G		G	S			X	X		$_{X}$A		X			15	5.0 - 14.5	
MW-204	G		G		G		G	S		X	X	X			X			X	15	5.0 - 14.5	
MW-206A	G		G		G		G	S		X	X	X					X-BGD		15	5.0 - 14.5	
TX-03A Area - Excluding the North Tank Farm																					
MW-101	G		G		G		G	S		X	X	X							15	5.0 - 14.5	
MW-102	G		G		G		G	S		X	X	X						X	15	5.0 - 14.5	
MW-301	G	S	G	S	G	S	G	S		X	X								15	5.0 - 15.0	
MW-302	G	S	G	S	G	S	G	S		X	X	$_{X}$A		$_{X}$A		X			15	5.0 - 15.0	
MW-303	G	S	G	S	G	S	G	S		X	X	$_{X}$A							15	5.0 - 15.0	
MW-304	G	S	G	S	G	S	G	S		X	X	$_{X}$A		$_{X}$A		X			15	5.0 - 15.0	
MW-307	G	S	G	S	G	S	G	S		X	X	$_{X}$S		$_{X}$A		X			15	5.0 - 15.0	
MW-308	G	S	G	S	G	S	G	S		X	X			$_{X}$A		X			15	5.0 - 15.0	
MW-309	G		G	S	G		G	S		X	X	$_{X}$A							15	5.0 - 15.0	
MW-310	G	S	G	S	G	S	G	S		X	X	$_{X}$A		$_{X}$A		X			15	5.0 - 15.0	
MW-311	G	S	G	S	G	S	G	S		X	X			$_{X}$A		X		X	15	5.0 - 15.0	
MW-312	G	S	G	S	G	S	G	S		X	X			$_{X}$A		X		X	15	5.0 - 15.0	
MW-313	G	S	G	S	G	S	G	S		X	X	X						X	15	5.0 - 15.0	
MW-314	G	S	G	S	G	S	G	S		X	X	X						X	15	5.0 - 15.0	
MW-315	G	S	G	S	G	S	G	S		X	X	X						X	15	5.0 - 15.0	
TES-MW-1	G		G		G		G	S		X	X	X							18	3.0 - 18.0	
TX-03A	G	S	G	S	G	S	G	S		X	X	$_{X}$A		$_{X}$A		X			16	6.0 - 16.0	
SH-04 Area																					
MW-05			G	S			G	S		X	X	X						X	15	5.0 - 15.0	
MW-111			G	S			G	S		X	X	X						X	15	5.0 - 14.5	
MW-112A			G	S			G	S		X	X	X						X	15	5.5 - 15.0	
SH-04			G	S			G	S		X	X	X						X	16	6.0 - 16.0	
MW-104			G	S			G	S	X		X	X						X	15	5.0 - 14.5	
Additional Compliance Monitoring Wells																					
MW-105							G	S	X	X	X	X						X	15	5.0 - 14.5	
TX-04							G	S		X	X	X						X	16	6.0 - 16.0	
TX-06A							G	S		X	X	X						X	15.8	5.5 - 15.5	
Shoreline Manifold Area																					
MW-208	MG		MG		MG		MG								X				16.5	5.0 - 14.5	
MW-210	MG		MG		MG		MG								X				15	unknown	
MW-211	MG		MG		MG		MG								X				13	5.0 -13.0	
MW-212	MG		MG		MG		MG								X				12	unknown	
MW-213			G	S			G	S		X	X	X	X				X-POC		30	30 - 40	
MW-214			G	S			G	S		X	X	X	X				X-POC		30	30 - 40	
Additional Wells (Included in Annual Inspection only)																					
ASW-1																			14	13 - 14	Air sparge well
PSV-1																			4	3 - 4	Soil gas well
PSV-2																			4	3 - 4	Soil gas well
SVE-1																			4	3 - 4	Soil vapor extraction well
TW-01																			14	4 - 14	Pumping test well
DP-06																					Wells were discovered during consultant transition. Groundwater monitoring of these wells is required. Checking for well logs for future well abandonment
MW-06																					
MW-103																					
MW-106																					
MW-107																					
MW-108																					
MW-109																					
MW-110																					
MW-205																					
MW-209																					
MW-305																					
MW-306																					

Table 2
Groundwater Monitoring Program
Shell Harbor Island Terminal
Seattle, Washington

Well	Schedule								Analysis						Compliance Monitoring Well Network Well Class				Well Construction		
	1Q		2Q		3Q		4Q (2nd Semi-Annual & Annual)														
	Gauge	Sample	Gauge	Sample	Gauge	Sample	Gauge	Sample	Total Lead	BTEX	TPH-Gx	TPH-Dx	PAHs	NA Parameters	Performance Product	NA Performance	Groundwater Quality Confirmation	Sentry	Total Depth (ft bgs)	Screened Interval (ft bgs)	Comments and Deviations from Monitoring Program
AMW-8																					Wells were discovered during TSO Terminal Audit and are no longer used by operations for leak detection. Groundwater monitoring of thes wells is not required. Checking for well logs for future well abandonment.
AMW-X																					

Notes:
Red = Modifications to the program since the November 2008 proposed changes which were established in correspondence between URS and Ecology. 1Q = March*
2Q = June 3Q = August
4Q = December Addtl = Additional
BGD = Background well with respect to confirmational sampling
BTEX = benzene, toulene, ethylbenzene, and total xylenes by EPA Method 8260B Dec = December
DTP = Depth to product
ft bgs = below ground surface
G = indicates a well to be gauged during that event MG = monthly gauge
NA = natural attenuation
Natural Attenuation Parameters: Nitrate and Nitrite by EPA Method 353.2, Sulfate by EPA Method 300.0, Dissolved Iron and Manganese by EPA Method 6010B/6020A (Lab Filtered), and Ferrous Iron collected in the field.
PAHs = polycyclic aromatic hydrocarbons by EPA Method 8270C-SIM POC = Conditional Point of Compliance Well
Q = quarter
S = indicates a well to be sampled during that event Sept = September
Total Lead by EPA Method 6020
TPH-Dx = total petroleum hydrocarbons as diesel by NWTPH-Dx TPH-Gx = total petroleum hydrocarbons as gasoline by NWTPH-Gx WLM = Water level measurement
X = indicates a well to be analyzed for that analyte
X^A = indicates a well to be analyzed for that analyte during the annual sampling event only
X^S = indicates a well to be analyzed for that analyte during both semi-annual sampling events only
* First quarter 2020 sampling was conducted in April 2020.

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-05	04/06/93	10.39	6.12	4.27
MW-05	05/13/93	10.39	5.92	4.47
MW-05	06/10/93	10.39	5.98	4.41
MW-05	07/08/93	10.39	6.23	4.16
MW-05	08/03/93	10.39	6.50	3.89
MW-05	10/08/93	10.39	7.22	3.17
MW-05	11/05/93	10.39	7.42	2.97
MW-05	12/03/93	10.39	7.38	3.01
MW-05	01/05/94	10.39	6.64	3.75
MW-05	02/04/94	10.39	6.54	3.85
MW-05	08/28/95	10.39	Not Measured	Not Measured
MW-05	09/27/95	10.39	8.35	2.04
MW-05	04/27/99	10.39	8.07	2.32
MW-05	07/14/99	10.39	5.88	4.51
MW-05	10/18/99	10.39	7.00	3.39
MW-05	04/05/00	10.39	5.05	5.34
MW-05	07/18/00	10.39	6.30	4.09
MW-05	10/02/00	10.39	7.15	3.24
MW-05	01/22/01	10.39	6.50	3.89
MW-05	07/23/01	10.39	7.43	2.96
MW-05	07/18/02	10.39	7.10	3.29
MW-05	01/30/03	10.39	5.84	4.55
MW-05	04/15/03	10.39	5.80	4.59
MW-05	07/17/03	10.39	7.12	3.27
MW-05	10/15/03	10.39	7.78	2.61
MW-05	10/23/03	10.39	7.80	2.59
MW-05	01/13/04	10.39	5.65	4.74
MW-05	04/19/04	13.57	6.35	7.22
MW-05	07/27/04	13.57	7.32	6.25
MW-05	10/18/04	13.57	7.36	6.21
MW-05	01/24/05	13.57	6.26	7.31
MW-05	04/18/05	13.57	6.27	7.30
MW-05	07/12/05	13.57	6.85	6.72
MW-05	10/18/05	13.57	7.60	5.97
MW-05	01/25/06	13.57	4.78	8.79
MW-05	04/25/06	13.57	5.90	7.67
MW-05	10/11/06	13.57	7.62	5.95
MW-05	11/19/08	13.57	8.23	5.34
MW-05	11/16/09	13.57	6.44	7.13
MW-05	10/29/10	13.57	6.57	7.00

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-05	10/25/11	13.57	7.25	6.32
MW-05	05/30/12	13.57	5.86	7.71
MW-05	08/23/12	13.57	6.63	6.94
MW-05	11/27/12	13.57	5.30	8.27
MW-05	05/16/13	13.57	5.72	7.85
MW-05	11/07/13	13.57	6.49	7.08
MW-05	04/22/14	13.57	5.25	8.32
MW-05	12/08/15	13.57	5.42	8.15
MW-05	05/04/16	13.57	5.22	8.35
MW-05	12/14/16	13.57	4.78	8.79
MW-05	06/13/17	13.57	5.45	8.12
MW-05	12/04/17	13.57	5.64	7.93
MW-05	06/12/18	13.57	6.43	7.14
MW-05	12/17/18	13.57	6.27	7.30
MW-05	05/15/19	13.57	6.69	6.88
MW-05	12/09/19	13.57	7.09	6.48
MW-05	06/29/20	13.57	6.30	7.27
MW-05	12/14/20	13.57	6.31	7.26
MW-05	04/12/21	13.57	5.40	8.17
MW-05	06/14/21	13.57	6.27	7.30
MW-101	04/06/93	15.14	10.48	4.66
MW-101	05/13/93	15.14	10.32	4.82
MW-101	06/10/93	15.14	10.45	4.69
MW-101	07/08/93	15.14	10.75	4.39
MW-101	08/03/93	15.14	11.09	4.05
MW-101	09/08/93	15.14	11.52	3.62
MW-101	10/08/93	15.14	11.89	3.25
MW-101	11/05/93	15.14	12.13	3.01
MW-101	12/03/93	15.14	12.14	3.00
MW-101	01/05/94	15.14	11.16	3.98
MW-101	02/04/94	15.14	11.02	4.12
MW-101	08/28/95	15.14	11.25	3.89
MW-101	09/27/95	15.14	11.49	3.65
MW-101	04/27/99	15.14	9.22	5.92
MW-101	07/14/99	15.14	10.73	4.41
MW-101	10/18/99	15.14	11.78	3.36
MW-101	01/11/00	15.14	9.73	5.41
MW-101	04/05/00	15.14	9.85	5.29
MW-101	07/18/00	15.14	11.01	4.13

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-101	10/02/00	15.14	11.85	3.29
MW-101	01/22/01	15.14	11.67	3.47
MW-101	07/23/01	15.14	12.33	2.81
MW-101	10/16/01	15.14	13.15	1.99
MW-101	04/23/02	15.14	10.81	4.33
MW-101	07/18/02	15.14	11.88	3.26
MW-101	10/23/02	15.14	12.73	2.41
MW-101	01/30/03	15.14	10.09	5.05
MW-101	04/15/03	15.14	10.36	4.78
MW-101	07/17/03	15.14	11.94	3.20
MW-101	10/15/03	15.14	12.68	2.46
MW-101	01/13/04	15.14	10.06	5.08
MW-101	04/19/04	18.21	11.13	7.08
MW-101	07/27/04	18.21	12.07	6.14
MW-101	10/18/04	18.21	12.19	6.02
MW-101	01/24/05	18.21	10.61	7.60
MW-101	04/18/05	18.21	10.86	7.35
MW-101	07/12/05	18.21	11.61	6.60
MW-101	10/18/05	18.21	12.45	5.76
MW-101	01/25/06	18.21	9.21	9.00
MW-101	04/25/06	18.21	10.75	7.46
MW-101	10/11/06	18.21	12.39	5.82
MW-101	11/18/08	18.21	11.45	6.76
MW-101	11/16/09	18.21	10.95	7.26
MW-101	10/26/10	18.21	11.36	6.85
MW-101	10/25/11	18.21	12.15	6.06
MW-101	05/30/12	18.21	10.79	7.42
MW-101	06/13/12	18.21	10.90	7.31
MW-101	09/26/12	18.21	12.04	6.17
MW-101	11/27/12	18.21	9.90	8.31
MW-101	02/22/13	18.21	10.24	7.97
MW-101	05/16/13	18.21	10.89	7.32
MW-101	09/06/13	18.21	11.99	6.22
MW-101	11/07/13	18.21	11.78	6.43
MW-101	04/22/14	18.21	10.16	8.05
MW-101	11/04/14	18.21	10.70	7.51
MW-101	03/10/15	18.21	10.31	7.90
MW-101	05/15/15	18.21	10.03	8.18
MW-101	07/29/15	18.21	11.86	6.35
MW-101	12/10/15	18.21	9.12	9.09

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-101	02/23/16	18.21	8.81	9.40
MW-101	05/03/16	18.21	10.29	7.92
MW-101	08/30/16	18.21	11.29	6.92
MW-101	12/14/16	18.21	9.62	8.59
MW-101	03/13/17	18.21	8.87	9.34
MW-101	06/13/17	18.21	10.53	7.68
MW-101	08/22/17	18.21	11.63	6.58
MW-101	12/04/17	18.21	10.18	8.03
MW-101	03/06/18	18.21	10.05	8.16
MW-101	06/12/18	18.21	11.03	7.18
MW-101	09/05/18	18.21	11.97	6.24
MW-101	12/17/18	18.21	10.98	7.23
MW-101	03/18/19	18.21	10.17	8.04
MW-101	05/15/19	18.21	10.58	7.63
MW-101	09/17/19	18.21	12.03	6.18
MW-101	12/09/19	18.21	11.82	6.39
MW-101	04/27/20	18.21	10.53	7.68
MW-101	06/29/20	18.21	11.15	7.06
MW-101	09/21/20	18.21	12.00	6.21
MW-101	12/14/20	18.21	11.10	7.11
MW-101	04/12/21	18.21	10.20	8.01
MW-101	06/14/21	18.21	11.05	7.16
MW-102	04/06/93	12.51	7.99	4.52
MW-102	05/13/93	12.51	7.82	4.69
MW-102	06/10/93	12.51	7.80	4.71
MW-102	07/08/93	12.51	8.32	4.19
MW-102	08/03/93	12.51	8.68	3.83
MW-102	09/08/93	12.51	9.03	3.48
MW-102	10/08/93	12.51	9.44	3.07
MW-102	11/05/93	12.51	9.62	2.89
MW-102	12/03/93	12.51	9.42	3.09
MW-102	01/05/94	12.51	8.50	4.01
MW-102	02/04/94	12.51	8.52	3.99
MW-102	08/28/95	12.51	8.86	3.65
MW-102	09/27/95	12.51	9.17	3.34
MW-102	04/27/99	12.51	6.68	5.83
MW-102	07/14/99	12.51	8.40	4.11
MW-102	10/18/99	12.51	9.38	3.13
MW-102	01/11/00	12.51	7.43	5.08

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-102	04/05/00	12.51	7.55	4.96
MW-102	07/18/00	12.51	8.37	4.14
MW-102	10/02/00	12.51	9.45	3.06
MW-102	01/22/01	12.51	9.12	3.39
MW-102	07/23/01	12.51	9.91	2.60
MW-102	04/23/02	12.51	8.17	4.34
MW-102	07/18/02	12.51	9.44	3.07
MW-102	07/18/02	12.51	9.44	3.07
MW-102	10/23/02	12.51	10.05	2.46
MW-102	01/28/03	12.51	7.20	5.31
MW-102	04/15/03	12.51	7.75	4.76
MW-102	07/17/03	12.51	9.51	3.00
MW-102	10/15/03	12.51	10.11	2.40
MW-102	01/13/04	12.51	7.49	5.02
MW-102	04/19/04	15.60	8.72	6.88
MW-102	07/27/04	15.60	9.62	5.98
MW-102	10/18/04	15.60	9.54	6.06
MW-102	01/24/05	15.60	7.92	7.68
MW-102	04/18/05	15.60	8.20	7.40
MW-102	07/12/05	15.60	9.10	6.50
MW-102	10/18/05	15.60	9.87	5.73
MW-102	01/25/06	15.60	3.94	11.66
MW-102	04/25/06	15.60	8.24	7.36
MW-102	10/11/06	15.60	9.84	5.76
MW-102	11/19/08	15.60	8.79	6.81
MW-102	11/16/09	15.60	8.10	7.50
MW-102	10/28/10	15.60	8.64	6.96
MW-102	10/25/11	15.60	9.59	6.01
MW-102	05/30/12	15.60	8.27	7.33
MW-102	06/13/12	15.60	8.32	7.28
MW-102	09/26/12	15.60	9.53	6.07
MW-102	11/27/12	15.60	7.03	8.57
MW-102	02/22/13	15.60	7.88	7.72
MW-102	05/16/13	15.60	8.40	7.20
MW-102	09/06/13	15.60	9.36	6.24
MW-102	11/07/13	15.60	9.18	6.42
MW-102	04/22/14	15.60	7.69	7.91
MW-102	11/04/14	15.60	7.91	7.69
MW-102	03/10/15	15.60	7.90	7.70
MW-102	05/15/15	15.60	8.47	7.13

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-102	07/29/15	15.60	9.39	6.21
MW-102	12/10/15	15.60	6.53	9.07
MW-102	02/23/16	15.60	6.78	8.82
MW-102	05/03/16	15.60	7.92	7.68
MW-102	08/30/16	15.60	8.98	6.62
MW-102	12/14/16	15.60	7.27	8.33
MW-102	03/13/17	15.60	6.75	8.85
MW-102	06/13/17	15.60	8.10	7.50
MW-102	08/22/17	15.60	9.20	6.40
MW-102	12/04/17	15.60	7.32	8.28
MW-102	03/06/18	15.60	8.61	6.99
MW-102	06/12/18	15.60	9.02	6.58
MW-102	09/05/18	15.60	9.47	6.13
MW-102	12/17/18	15.60	8.20	7.40
MW-102	03/18/19	15.60	7.69	7.91
MW-102	05/15/19	15.60	7.83	7.77
MW-102	09/17/19	15.60	9.36	6.24
MW-102	12/09/19	15.60	9.23	6.37
MW-102	04/27/20	15.60	7.97	7.63
MW-102	06/29/20	15.60	8.53	7.07
MW-102	09/21/20	15.60	9.48	6.12
MW-102	12/14/20	15.60	8.31	7.29
MW-102	04/12/21	15.60	7.77	7.83
MW-102	06/14/21	15.60	8.47	7.13
MW-104	04/06/93	10.22	5.98	4.24
MW-104	05/13/93	10.22	6.79	3.43
MW-104	06/10/93	10.22	5.85	4.37
MW-104	07/08/93	10.22	6.13	4.09
MW-104	08/03/93	10.22	6.38	3.84
MW-104	09/08/93	10.22	6.72	3.50
MW-104	10/08/93	10.22	7.05	3.17
MW-104	11/05/93	10.22	7.26	2.96
MW-104	12/03/93	10.22	7.26	2.96
MW-104	01/05/94	10.22	6.64	3.58
MW-104	02/04/94	10.22	6.46	3.76
MW-104	08/28/95	10.22	6.43	3.79
MW-104	09/27/95	10.22	6.70	3.52
MW-104	04/27/99	10.22	2.41	7.81
MW-104	07/14/99	10.22	5.62	4.60

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-104	10/18/99	10.22	6.80	3.42
MW-104	01/11/00	10.22	5.04	5.18
MW-104	04/05/00	10.22	4.80	5.42
MW-104	07/18/00	10.22	6.15	4.07
MW-104	10/02/00	10.22	7.02	3.20
MW-104	01/22/01	10.22	6.45	3.77
MW-104	07/23/01	10.22	7.39	2.83
MW-104	10/16/01	10.22	8.59	1.63
MW-104	04/23/02	10.22	5.91	4.31
MW-104	07/18/02	10.22	7.07	3.15
MW-104	10/23/02	10.22	7.74	2.48
MW-104	01/28/03	10.22	6.03	4.19
MW-104	04/15/03	10.22	5.75	4.47
MW-104	07/17/03	10.22	7.08	3.14
MW-104	10/15/03	10.22	7.76	2.46
MW-104	01/13/04	10.22	5.58	4.64
MW-104	04/19/04	13.46	6.30	7.16
MW-104	07/27/04	13.46	7.25	6.21
MW-104	10/18/04	13.46	7.34	6.12
MW-104	01/24/05	13.46	6.27	7.19
MW-104	04/18/05	13.46	6.22	7.24
MW-104	07/12/05	13.46	6.81	6.65
MW-104	10/18/05	13.46	7.55	5.91
MW-104	01/25/06	13.46	4.78	8.68
MW-104	04/25/06	13.46	5.82	7.64
MW-104	10/11/06	13.46	7.54	5.92
MW-104	11/18/08	13.46	6.74	6.72
MW-104	04/08/09	13.46	6.27	7.19
MW-104	11/16/09	13.46	6.39	7.07
MW-104	04/27/10	13.46	5.45	8.01
MW-104	10/26/10	13.46	6.53	6.93
MW-104	10/25/11	13.46	7.15	6.31
MW-104	03/01/12	13.46	5.82	7.64
MW-104	05/30/12	13.46	5.74	7.72
MW-104	06/13/12	13.46	5.86	7.60
MW-104	08/23/12	13.46	6.50	6.96
MW-104	09/26/12	13.46	6.90	6.56
MW-104	11/27/12	13.46	5.24	8.22
MW-104	05/16/13	13.46	5.65	7.81
MW-104	11/07/13	13.46	6.44	7.02

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-104	04/22/14	13.46	5.20	8.26
MW-104	11/05/14	13.46	6.02	7.44
MW-104	05/20/15	13.46	5.86	7.60
MW-104	12/09/15	13.46	5.32	8.14
MW-104	12/14/16	13.46	4.78	8.68
MW-104	06/13/17	13.46	5.41	8.05
MW-104	12/04/17	13.46	5.75	7.71
MW-104	06/12/18	13.46	5.96	7.50
MW-104	12/17/18	13.46	6.23	7.23
MW-104	05/15/19	13.46	5.97	7.49
MW-104	12/09/19	13.46	6.99	6.47
MW-104	06/29/20	13.46	6.22	7.24
MW-104	12/14/20	13.46	6.18	7.28
MW-104	04/12/21	13.46	5.30	8.16
MW-104	06/14/21	13.46	6.17	7.29
MW-105	04/06/93	9.05	4.97	4.08
MW-105	05/13/93	9.05	4.88	4.17
MW-105	06/10/93	9.05	4.83	4.22
MW-105	07/08/93	9.05	5.20	3.85
MW-105	08/03/93	9.05	5.43	3.62
MW-105	09/08/93	9.05	6.76	2.29
MW-105	10/08/93	9.05	6.06	2.99
MW-105	11/05/93	9.05	6.28	2.77
MW-105	12/03/93	9.05	6.18	2.87
MW-105	01/05/94	9.05	5.65	3.40
MW-105	02/04/94	9.05	5.63	3.42
MW-105	08/28/95	9.05	5.39	3.66
MW-105	09/27/95	9.05	5.70	3.35
MW-105	04/27/99	9.05	3.39	5.66
MW-105	07/14/99	9.05	4.58	4.47
MW-105	10/18/99	9.05	5.79	3.26
MW-105	01/11/00	9.05	3.97	5.08
MW-105	04/05/00	9.05	3.84	5.21
MW-105	07/18/00	9.05	4.90	4.15
MW-105	10/02/00	9.05	6.22	2.83
MW-105	01/22/01	9.05	5.56	3.49
MW-105	07/23/01	9.05	6.48	2.57
MW-105	04/23/02	9.05	5.25	3.80
MW-105	07/18/02	9.05	6.17	2.88

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-105	10/23/02	9.05	6.78	2.27
MW-105	01/28/03	9.05	5.02	4.03
MW-105	04/15/03	9.05	4.97	4.08
MW-105	07/17/03	9.05	6.2	2.85
MW-105	10/15/03	9.05	6.66	2.39
MW-105	01/13/04	9.05	5.01	4.04
MW-105	04/19/04	12.18	5.51	6.67
MW-105	07/27/04	12.18	6.28	5.90
MW-105	10/18/04	12.18	6.15	6.03
MW-105	01/24/05	12.18	5.02	7.16
MW-105	04/18/05	12.18	5.19	6.99
MW-105	07/12/05	12.18	5.82	6.36
MW-105	10/18/05	12.18	6.44	5.74
MW-105	01/25/06	12.18	4.05	8.13
MW-105	04/25/06	12.18	5.00	7.18
MW-105	10/11/06	12.18	6.51	5.67
MW-105	11/19/08	12.18	5.52	6.66
MW-105	11/16/09	12.18	5.03	7.15
MW-105	10/26/10	12.18	5.33	6.85
MW-105	10/25/11	12.18	6.06	6.12
MW-105	11/26/12	12.18	3.82	8.36
MW-105	11/07/13	12.18	5.42	6.76
MW-105	11/05/14	12.18	4.62	7.56
MW-105	12/08/15	12.18	4.00	8.18
MW-105	12/14/16	12.18	4.15	8.03
MW-105	12/04/17	12.18	4.55	7.63
MW-105	12/17/18	12.18	5.04	7.14
MW-105	12/09/19	12.18	5.83	6.35
MW-105	12/14/20	12.18	5.18	7.00
MW-105	04/12/21	12.18	4.55	7.63
MW-111	04/06/93	8.61	4.95	3.66
MW-111	05/13/93	8.61	4.87	3.74
MW-111	06/10/93	8.61	4.84	3.77
MW-111	07/08/93	8.61	5.11	3.50
MW-111	08/03/93	8.61	5.29	3.32
MW-111	09/08/93	8.61	5.56	3.05
MW-111	10/08/93	8.61	5.81	2.80
MW-111	11/05/93	8.61	5.97	2.64
MW-111	12/03/93	8.61	5.93	2.68

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-111	01/05/94	8.61	5.45	3.16
MW-111	02/04/94	8.61	5.28	3.33
MW-111	08/28/95	8.61	5.28	3.33
MW-111	09/27/95	8.61	5.45	3.16
MW-111	04/27/99	8.61	3.55	5.06
MW-111	07/14/99	8.61	4.65	3.96
MW-111	10/18/99	8.61	5.59	3.02
MW-111	01/11/00	8.61	4.18	4.43
MW-111	04/05/00	8.61	3.94	4.67
MW-111	07/13/00	8.61	5.30	3.31
MW-111	10/02/00	8.61	5.68	2.93
MW-111	01/22/01	8.61	5.37	3.24
MW-111	07/23/01	8.61	6.22	2.39
MW-111	10/16/01	8.61	7.37	1.24
MW-111	04/23/02	8.61	5.28	3.33
MW-111	07/18/02	8.61	5.94	2.67
MW-111	10/23/02	8.61	6.50	2.11
MW-111	01/28/03	8.61	5.05	3.56
MW-111	04/15/03	8.61	5.03	3.58
MW-111	07/17/03	8.61	6.05	2.56
MW-111	10/15/03	8.61	6.45	2.16
MW-111	01/13/04	8.61	4.84	3.77
MW-111	04/19/04	11.88	5.46	6.42
MW-111	07/27/04	11.88	6.16	5.72
MW-111	10/18/04	11.88	6.11	5.77
MW-111	01/24/05	11.88	5.33	6.55
MW-111	04/18/05	11.88	5.27	6.61
MW-111	07/12/05	11.88	5.75	6.13
MW-111	10/18/05	11.88	6.26	5.62
MW-111	01/25/06	11.88	4.42	7.46
MW-111	04/25/06	11.88	4.88	7.00
MW-111	10/11/06	11.88	6.30	5.58
MW-111	11/19/08	11.88	8.62	3.26
MW-111	11/16/09	11.88	5.30	6.58
MW-111	10/26/10	11.88	5.35	6.53
MW-111	10/25/11	11.88	5.89	5.99
MW-111	05/30/12	11.88	4.81	7.07
MW-111	08/23/12	11.88	Not Measured	Not Measured
MW-111	11/29/12	11.88	4.14	7.74
MW-111	05/16/13	11.88	4.63	7.25

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-111	11/07/13	11.88	5.10	6.78
MW-111	04/22/14	11.88	4.32	7.56
MW-111	11/05/14	11.88	4.58	7.30
MW-111	12/08/15	11.88	4.36	7.52
MW-111	12/14/16	11.88	4.04	7.84
MW-111	06/13/17	11.88	4.51	7.37
MW-111	12/04/17	11.88	4.59	7.29
MW-111	06/12/18	11.88	5.25	6.63
MW-111	12/17/18	11.88	4.98	6.90
MW-111	05/15/19	11.88	4.97	6.91
MW-111	12/09/19	11.88	5.66	6.22
MW-111	06/29/20	11.88	5.12	6.76
MW-111	12/14/20	11.88	5.10	6.78
MW-111	04/12/21	11.88	4.46	7.42
MW-111	06/14/21	11.88	5.10	6.78
MW-112	04/06/93	9.98	6.69	3.29
MW-112	05/13/93	9.98	6.61	3.37
MW-112	06/10/93	9.98	6.51	3.47
MW-112	07/08/93	9.98	6.83	3.15
MW-112	08/03/93	9.98	7.00	2.98
MW-112	09/08/93	9.98	7.24	2.74
MW-112	10/08/93	9.98	7.50	2.48
MW-112	11/05/93	9.98	7.56	2.42
MW-112	12/03/93	9.98	7.41	2.57
MW-112	01/05/94	9.98	6.93	3.05
MW-112	02/04/94	9.98	6.83	3.15
MW-112	08/28/95	9.98	6.98	3.00
MW-112	09/27/95	9.98	7.13	2.85
MW-112	04/27/99	9.98	5.66	4.32
MW-112	07/14/99	9.98	6.57	3.41
MW-112	10/18/99	9.98	7.36	2.62
MW-112	01/11/00	9.98	5.89	4.09
MW-112	04/05/00	9.98	5.81	4.17
MW-112	07/18/00	9.98	7.11	2.87
MW-112	10/02/00	9.98	7.57	2.41
MW-112	04/25/06	9.98	6.44	3.54
MW-112A	04/24/02	9.98	6.85	3.13

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-112A	07/18/02	9.98	7.22	2.76
MW-112A	10/23/02	9.98	7.52	2.46
MW-112A	01/28/03	9.98	6.25	3.73
MW-112A	04/15/03	9.98	6.47	3.51
MW-112A	07/17/03	9.98	7.3	2.68
MW-112A	10/15/03	9.98	7.49	2.49
MW-112A	01/13/04	9.98	6.2	3.78
MW-112A	04/19/04	12.52	6.93	5.59
MW-112A	07/27/04	12.52	7.41	5.11
MW-112A	10/18/04	12.52	7.15	5.37
MW-112A	01/24/05	12.52	6.52	6.00
MW-112A	04/18/05	12.52	6.6	5.92
MW-112A	07/12/05	12.52	7.1	5.42
MW-112A	10/18/05	12.52	7.34	5.18
MW-112A	01/25/06	12.52	5.95	6.57
MW-112A	10/11/06	12.52	7.43	5.09
MW-112A	11/19/08	12.52	6.73	5.79
MW-112A	11/16/09	12.52	6.35	6.17
MW-112A	10/29/10	12.52	6.51	6.01
MW-112A	10/25/11	12.52	7.03	5.49
MW-112A	05/30/12	12.52	6.28	6.24
MW-112A	08/23/12	12.52	6.56	5.96
MW-112A	11/25/12	12.52	5.23	7.29
MW-112A	05/16/13	12.52	6.24	6.28
MW-112A	11/04/13	12.52	-	-
MW-112A	04/22/14	12.52	5.90	6.62
MW-112A	11/06/14	12.52	5.68	6.84
MW-112A	12/08/15	12.52	5.42	7.10
MW-112A	12/14/16	12.52	5.69	6.83
MW-112A	06/13/17	12.52	6.25	6.27
MW-112A	12/04/17	12.52	5.93	6.59
MW-112A	06/12/18	12.52	6.51	6.01
MW-112A	12/17/18	12.52	5.97	6.55
MW-112A	05/16/19	12.52	6.39	6.13
MW-112A	12/09/19	12.52	6.73	5.79
MW-112A	06/29/20	12.52	6.31	6.21
MW-112A	12/14/20	12.52	6.45	6.07
MW-112A	04/12/21	12.52	6.11	6.41
MW-112A	06/14/21	12.52	6.40	6.12

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-201	04/06/93	17.07	14.03	3.04
MW-201	05/13/93	17.07	14.02	3.05
MW-201	06/10/93	17.07	13.97	3.10
MW-201	07/08/93	17.07	14.25	2.82
MW-201	08/03/93	17.07	14.48	2.59
MW-201	09/08/93	17.07	14.68	2.39
MW-201	10/08/93	17.07	14.90	2.17
MW-201	11/05/93	17.07	15.03	2.04
MW-201	12/03/93	17.07	14.96	2.11
MW-201	01/05/94	17.07	14.10	2.97
MW-201	02/04/94	17.07	14.32	2.75
MW-201	08/28/95	17.07	14.49	2.58
MW-201	09/27/95	17.07	14.56	2.51
MW-201	04/27/99	17.07	13.04	4.03
MW-201	07/14/99	17.07	14.26	2.81
MW-201	10/18/99	17.07	14.93	2.14
MW-201	01/11/00	17.07	13.03	4.04
MW-201	04/05/00	17.07	13.90	3.17
MW-201	07/18/00	17.07	14.09	2.98
MW-201	10/02/00	17.07	14.82	2.25
MW-201	01/22/01	17.07	14.43	2.64
MW-201	07/23/01	17.07	14.95	2.12
MW-201	10/16/01	17.07	16.11	0.96
MW-201	04/24/02	17.07	14.23	2.84
MW-201	07/18/02	17.07	14.73	2.34
MW-201	10/23/02	17.07	15.13	1.94
MW-201	01/28/03	17.07	13.13	3.94
MW-201	04/15/03	17.07	13.58	3.49
MW-201	07/17/03	17.07	14.70	2.37
MW-201	10/15/03	17.07	14.99	2.08
MW-201	01/13/04	17.07	12.71	4.36
MW-201	04/19/04	20.18	14.07	6.11
MW-201	07/27/04	20.18	14.70	5.48
MW-201	10/18/04	20.18	14.70	5.48
MW-201	01/24/05	20.18	13.44	6.74
MW-201	04/18/05	20.18	13.73	6.45
MW-201	07/12/05	20.18	14.47	5.71
MW-201	10/18/05	20.18	14.99	5.19
MW-201	01/25/06	20.18	12.61	7.57
MW-201	04/25/06	20.18	13.94	6.24

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-201	10/11/06	20.18	15.00	5.18
MW-201	11/20/08	20.18	13.77	6.41
MW-201	11/16/09	20.18	13.74	6.44
MW-201	10/27/10	20.18	14.42	5.76
MW-201	10/26/11	20.18	14.94	5.24
MW-201	11/27/12	20.18	13.10	7.08
MW-201	02/22/13	20.18	13.74	6.44
MW-201	05/16/13	20.18	14.45	5.73
MW-201	09/06/13	20.18	14.78	5.40
MW-201	11/07/13	20.18	14.70	5.48
MW-201	04/22/14	20.18	13.42	6.76
MW-201	11/04/14	20.18	13.65	6.53
MW-201	03/10/15	20.18	13.64	6.54
MW-201	05/15/15	20.18	14.34	5.84
MW-201	07/29/15	20.18	14.65	5.53
MW-201	12/10/15	20.18	12.23	7.95
MW-201	02/23/16	20.18	12.33	7.85
MW-201	05/03/16	20.18	13.74	6.44
MW-201	08/30/16	20.18	14.04	6.14
MW-201	12/14/16	20.18	12.86	7.32
MW-201	03/13/17	20.18	12.18	8.00
MW-201	06/13/17	20.18	13.85	6.33
MW-201	08/22/17	20.18	14.43	5.75
MW-201	12/04/17	20.18	12.87	7.31
MW-201	03/06/18	20.18	13.28	6.90
MW-201	06/12/18	20.18	13.58	6.60
MW-201	09/05/18	20.18	8.22	11.96
MW-201	12/17/18	20.18	13.66	6.52
MW-201	03/18/19	20.18	13.14	7.04
MW-201	05/15/19	20.18	14.06	6.12
MW-201	09/17/19	20.18	14.64	5.54
MW-201	12/09/19	20.18	14.52	5.66
MW-201	04/27/20	20.18	14.05	6.13
MW-201	06/29/20	20.18	14.32	5.86
MW-201	09/21/20	20.18	14.59	5.59
MW-201	12/14/20	20.18	14.28	5.90
MW-201	04/12/21	20.18	13.74	6.44
MW-201	06/14/21	20.18	14.32	5.86
MW-202	04/06/93	16.77	13.23	3.54

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-202	05/13/93	16.77	13.17	3.60
MW-202	06/10/93	16.77	13.26	3.51
MW-202	07/08/93	16.77	13.54	3.23
MW-202	08/03/93	16.77	13.76	3.01
MW-202	09/08/93	16.77	14.04	2.73
MW-202	10/08/93	16.77	14.30	2.47
MW-202	11/05/93	16.77	14.48	2.29
MW-202	12/03/93	16.77	14.34	2.43
MW-202	01/05/94	16.77	13.73	3.04
MW-202	02/04/94	16.77	13.63	3.14
MW-202	08/28/95	16.77	13.78	2.99
MW-202	09/27/95	16.77	13.95	2.82
MW-202	04/27/99	16.77	12.38	4.39
MW-202	07/14/99	16.77	13.57	3.20
MW-202	10/18/99	16.77	14.31	2.46
MW-202	01/11/00	16.77	12.95	3.82
MW-202	04/05/00	16.77	12.96	3.81
MW-202	07/18/00	16.77	13.21	3.56
MW-202	10/02/00	16.77	14.25	2.52
MW-202	01/22/01	16.77	14.46	2.31
MW-202	07/23/01	16.77	14.64	2.13
MW-202	10/16/01	16.77	15.81	0.96
MW-202	04/24/02	16.77	13.80	2.97
MW-202	07/18/02	16.77	14.28	2.49
MW-202	10/23/02	16.77	14.73	2.04
MW-202	01/28/03	16.77	12.95	3.82
MW-202	04/15/03	16.77	13.13	3.64
MW-202	07/17/03	16.77	14.30	2.47
MW-202	10/15/03	16.77	14.62	2.15
MW-202	01/13/04	16.77	12.81	3.96
MW-202	04/19/04	19.86	13.61	6.25
MW-202	07/27/04	19.86	14.29	5.57
MW-202	10/18/04	19.86	14.30	5.56
MW-202	01/24/05	19.86	13.29	6.57
MW-202	04/18/05	19.86	13.51	6.35
MW-202	07/12/05	19.86	14.02	5.84
MW-202	10/18/05	19.86	14.59	5.27
MW-202	01/25/06	19.86	12.38	7.48
MW-202	04/25/06	19.86	13.43	6.43
MW-202	10/11/06	19.86	14.58	5.28

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-202	11/20/08	19.86	13.92	5.94
MW-202	04/07/09	19.86	13.71	6.15
MW-202	11/16/09	19.86	13.70	6.16
MW-202	04/27/10	19.86	13.24	6.62
MW-202	10/27/10	19.86	14.04	5.82
MW-202	10/26/11	19.86	14.45	5.41
MW-202	03/02/12	19.86	13.70	6.16
MW-202	05/30/12	19.86	13.65	6.21
MW-202	06/13/12	19.86	13.76	6.10
MW-202	09/26/12	19.86	14.42	5.44
MW-202	11/27/12	19.86	13.09	6.77
MW-202	02/22/13	19.86	13.27	6.59
MW-202	05/16/13	19.86	13.80	6.06
MW-202	09/06/13	19.86	14.38	5.48
MW-202	11/07/13	19.86	14.25	5.61
MW-202	04/22/14	19.86	13.23	6.63
MW-202	11/04/14	19.86	13.44	6.42
MW-202	03/10/15	19.86	13.23	6.63
MW-202	05/15/15	19.86	13.76	6.10
MW-202	07/29/15	19.86	14.18	5.68
MW-202	12/10/15	19.86	12.76	7.10
MW-202	02/23/16	19.86	12.15	7.71
MW-202	05/03/16	19.86	13.11	6.75
MW-202	08/30/16	19.86	14.00	5.86
MW-202	12/14/16	19.86	12.81	7.05
MW-202	03/13/17	19.86	12.25	7.61
MW-202	06/13/17	19.86	13.23	6.63
MW-202	08/22/17	19.86	13.98	5.88
MW-202	12/04/17	19.86	13.15	6.71
MW-202	03/06/18	19.86	13.03	6.83
MW-202	06/12/18	19.86	13.53	6.33
MW-202	09/05/18	19.86	8.20	11.66
MW-202	12/17/18	19.86	13.45	6.41
MW-202	03/18/19	19.86	12.95	6.91
MW-202	05/15/19	19.86	13.42	6.44
MW-202	09/17/19	19.86	14.16	5.70
MW-202	12/09/19	19.86	14.10	5.76
MW-202	04/27/20	19.86	13.49	6.37
MW-202	06/29/20	19.86	13.75	6.11
MW-202	09/21/20	19.86	14.20	5.66

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-202	12/14/20	19.86	13.65	6.21
MW-202	04/12/21	19.86	13.15	6.71
MW-202	06/14/21	19.86	13.75	6.11
MW-203	04/06/93	11.04	7.39	3.65
MW-203	05/13/93	11.04	7.31	3.73
MW-203	06/10/93	11.04	7.40	3.64
MW-203	07/08/93	11.04	7.66	3.38
MW-203	08/03/93	11.04	7.93	3.11
MW-203	09/08/93	11.04	8.20	2.84
MW-203	10/08/93	11.04	8.46	2.58
MW-203	11/05/93	11.04	8.65	2.39
MW-203	12/03/93	11.04	8.64	2.40
MW-203	01/05/94	11.04	7.99	3.05
MW-203	02/04/94	11.04	7.88	3.16
MW-203	08/28/95	11.04	7.86	3.18
MW-203	09/27/95	11.04	8.02	3.02
MW-203	04/27/99	11.04	6.32	4.72
MW-203	07/14/99	11.04	7.58	3.46
MW-203	10/18/99	11.04	8.42	2.62
MW-203	01/11/00	11.04	6.98	4.06
MW-203	04/05/00	11.04	6.92	4.12
MW-203	07/18/00	11.04	8.00	3.04
MW-203	10/02/00	11.04	8.40	2.64
MW-203	01/22/01	11.04	8.47	2.57
MW-203	07/23/01	11.04	8.69	2.35
MW-203	10/16/01	11.04	9.73	1.31
MW-203	04/24/02	11.04	7.45	3.59
MW-203	10/23/02	11.04	8.80	2.24
MW-203	01/28/03	11.04	6.76	4.28
MW-203	04/15/03	11.04	7.05	3.99
MW-203	07/17/03	11.04	8.25	2.79
MW-203	01/13/04	11.04	6.71	4.33
MW-203	04/19/04	13.99	7.58	6.41
MW-203	07/27/04	13.99	8.25	5.74
MW-203	10/18/04	13.99	8.34	5.65
MW-203	01/24/05	13.99	7.31	6.68
MW-203	04/18/05	13.99	7.43	6.56
MW-203	07/12/05	13.99	7.96	6.03
MW-203	10/18/05	13.99	8.64	5.35

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-203	01/25/06	13.99	6.41	7.58
MW-203	04/25/06	13.99	7.18	6.81
MW-203	10/11/06	13.99	8.58	5.41
MW-203	11/18/08	13.99	8.01	5.98
MW-203	04/08/09	13.99	7.63	6.36
MW-203	11/16/09	13.99	4.97	9.02
MW-203	04/26/10	13.99	7.17	6.82
MW-203	10/25/10	13.99	8.10	5.89
MW-203	10/26/11	13.99	5.45	8.54
MW-203	05/30/12	13.99	7.61	6.38
MW-203	06/13/12	13.99	7.65	6.34
MW-203	09/26/12	13.99	8.40	5.59
MW-203	11/27/12	13.99	7.25	6.74
MW-203	02/22/13	13.99	7.26	6.73
MW-203	05/16/13	13.99	7.80	6.19
MW-203	09/06/13	13.99	8.37	5.62
MW-203	11/07/13	13.99	8.27	5.72
MW-203	04/22/14	13.99	7.33	6.66
MW-203	11/04/14	13.99	7.59	6.40
MW-203	03/10/15	13.99	6.70	7.29
MW-203	05/15/15	13.99	7.74	6.25
MW-203	07/29/15	13.99	8.18	5.81
MW-203	12/10/15	13.99	6.83	7.16
MW-203	02/23/16	13.99	5.92	8.07
MW-203	05/03/16	13.99	7.02	6.97
MW-203	08/30/16	13.99	8.17	5.82
MW-203	12/14/16	13.99	6.62	7.37
MW-203	03/13/17	13.99	5.83	8.16
MW-203	06/13/17	13.99	7.17	6.82
MW-203	08/22/17	13.99	7.98	6.01
MW-203	12/04/17	13.99	7.24	6.75
MW-203	03/06/18	13.99	6.57	7.42
MW-203	06/12/18	13.99	7.55	6.44
MW-203	09/05/18	13.99	8.14	5.85
MW-203	12/17/18	13.99	7.68	6.31
MW-203	03/18/19	13.99	6.96	7.03
MW-203	05/16/19	13.99	7.38	6.61
MW-203	09/17/19	13.99	8.19	5.80
MW-203	12/09/19	13.99	8.13	5.86
MW-203	04/27/20	13.99	7.39	6.60

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-203	06/29/20	13.99	7.55	6.44
MW-203	09/21/20	13.99	8.14	5.85
MW-203	12/14/20	13.99	7.62	6.37
MW-203	04/12/21	13.99	7.13	6.86
MW-203	06/14/21	13.99	7.75	6.24
MW-204	04/06/93	14.21	10.97	3.24
MW-204	05/13/93	14.21	10.92	3.29
MW-204	06/10/93	14.21	10.98	3.23
MW-204	07/08/93	14.21	11.20	3.01
MW-204	08/03/93	14.21	11.44	2.77
MW-204	09/08/93	14.21	11.64	2.57
MW-204	10/08/93	14.21	11.85	2.36
MW-204	11/05/93	14.21	12.03	2.18
MW-204	12/03/93	14.21	12.01	2.20
MW-204	01/05/94	14.21	11.42	2.79
MW-204	02/04/94	14.21	11.35	2.86
MW-204	08/28/95	14.21	11.58	2.63
MW-204	09/27/95	14.21	11.57	2.64
MW-204	04/05/00	14.21	Not Measured	Not Measured
MW-204	10/02/00	14.21	Not Measured	Not Measured
MW-204	01/22/01	14.21	11.69	2.52
MW-204	07/23/01	14.21	12.05	2.16
MW-204	10/16/01	14.21	13.17	1.04
MW-204	07/27/04	14.21	11.67	2.54
MW-204	10/18/04	17.27	11.71	5.56
MW-204	01/24/05	17.27	10.72	6.55
MW-204	04/18/05	17.27	10.98	6.29
MW-204	07/12/05	17.27	11.4	5.87
MW-204	10/18/05	17.27	11.98	5.29
MW-204	01/25/06	17.27	9.96	7.31
MW-204	10/11/06	17.27	11.96	5.31
MW-204	11/20/08	17.27	11.45	5.82
MW-204	11/16/09	17.27	11.20	6.07
MW-204	10/27/10	17.27	11.54	5.73
MW-204	10/27/11	17.27	10.71	6.56
MW-204	03/26/12	17.27	Not Measured	Not Measured
MW-204	06/12/12	17.27	11.20	6.07
MW-204	09/27/12	17.27	Not Measured	Not Measured
MW-204	11/27/12	17.27	10.81	6.46

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-204	12/20/12	17.27	Not Measured	Not Measured
MW-204	02/22/13	17.27	10.81	6.46
MW-204	05/16/13	17.27	11.30	5.97
MW-204	09/06/13	17.27	11.77	5.50
MW-204	11/07/13	17.27	11.71	5.56
MW-204	04/22/14	17.27	10.78	6.49
MW-204	11/04/14	17.27	11.04	6.23
MW-204	03/10/15	17.27	10.75	6.52
MW-204	05/15/15	17.27	11.21	6.06
MW-204	07/29/15	17.27	11.59	5.68
MW-204	12/10/15	17.27	9.91	7.36
MW-204	02/23/16	17.27	9.67	7.60
MW-204	05/03/16	17.27	10.53	6.74
MW-204	08/30/16	17.27	11.78	5.49
MW-204	12/14/16	17.27	10.34	6.93
MW-204	03/13/17	17.27	9.83	7.44
MW-204	08/22/17	17.27	11.34	5.93
MW-204	12/04/17	17.27	10.84	6.43
MW-204	03/06/18	17.27	10.55	6.72
MW-204	06/12/18	17.27	11.04	6.23
MW-204	09/05/18	17.27	8.20	9.07
MW-204	12/17/18	17.27	11.10	6.17
MW-204	03/18/19	17.27	10.51	6.76
MW-204	05/15/19	17.27	10.98	6.29
MW-204	09/17/19	17.27	11.65	5.62
MW-204	12/09/19	17.27	11.54	5.73
MW-204	04/27/20	17.27	10.94	6.33
MW-204	06/29/20	17.27	11.26	6.01
MW-204	09/21/20	17.27	11.59	5.68
MW-204	12/14/20	17.27	11.22	6.05
MW-204	04/12/21	17.27	10.71	6.56
MW-204	06/14/21	17.27	11.27	6.00
MW-206	04/06/93	10.75	9.83	0.92
MW-206	05/13/93	10.75	6.72	4.03
MW-206	06/10/93	10.75	6.78	3.97
MW-206	07/08/93	10.75	7.08	3.67
MW-206	08/03/93	10.75	7.35	3.40
MW-206	09/08/93	10.75	7.66	3.09
MW-206	10/08/93	10.75	7.95	2.80

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-206	11/05/93	10.75	8.15	2.60
MW-206	12/03/93	10.75	8.17	2.58
MW-206	01/05/94	10.75	7.42	3.33
MW-206	02/04/94	10.75	7.24	3.51
MW-206	08/28/95	10.75	7.01	3.74
MW-206	09/27/95	10.75	7.19	3.56
MW-206	04/27/99	10.75	5.59	5.16
MW-206	07/14/99	10.75	6.97	3.78
MW-206	10/18/99	10.75	7.88	2.87
MW-206	01/11/00	10.75	6.34	4.41
MW-206	04/05/00	10.75	6.32	4.43
MW-206	07/18/00	10.75	7.11	3.64
MW-206	10/02/00	10.75	7.92	2.83
MW-206	01/22/01	10.75	8.93	1.82
MW-206	04/25/06	10.75	9.30	1.45
MW-206	10/11/06	10.75	10.44	0.31
MW-206A	04/24/02	10.75	7.43	3.32
MW-206A	07/18/02	10.75	8.07	2.68
MW-206A	10/23/02	10.75	8.55	2.20
MW-206A	01/28/03	10.75	6.40	4.35
MW-206A	04/15/03	10.75	5.26	5.49
MW-206A	07/17/03	10.75	8.06	2.69
MW-206A	04/19/04	15.90	9.51	6.39
MW-206A	07/27/04	15.90	10.23	5.67
MW-206A	10/18/04	15.90	10.17	5.73
MW-206A	01/24/05	15.90	9.18	6.72
MW-206A	04/18/05	15.90	9.38	6.52
MW-206A	07/12/05	15.90	9.87	6.03
MW-206A	10/18/05	15.90	10.50	5.40
MW-206A	01/25/06	15.90	8.23	7.67
MW-206A	11/20/08	15.90	9.81	6.09
MW-206A	11/16/09	15.90	9.48	6.42
MW-206A	10/25/10	15.90	9.74	6.16
MW-206A	10/26/11	15.90	10.25	5.65
MW-206A	05/30/12	15.90	9.44	6.46
MW-206A	06/13/12	15.90	9.49	6.41
MW-206A	09/26/12	15.90	10.21	5.69
MW-206A	11/27/12	15.90	9.05	6.85
MW-206A	02/22/13	15.90	9.04	6.86

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-206A	05/16/13	15.90	8.44	7.46
MW-206A	09/06/13	15.90	10.06	5.84
MW-206A	11/07/13	15.90	10.04	5.86
MW-206A	04/22/14	15.90	9.01	6.89
MW-206A	11/04/14	15.90	9.25	6.65
MW-206A	03/10/15	15.90	9.03	6.87
MW-206A	05/15/15	15.90	9.49	6.41
MW-206A	07/29/15	15.90	9.99	5.91
MW-206A	12/10/15	15.90	8.36	7.54
MW-206A	02/23/16	15.90	8.09	7.81
MW-206A	05/03/16	15.90	9.03	6.87
MW-206A	08/30/16	15.90	10.25	5.65
MW-206A	12/14/16	15.90	8.51	7.39
MW-206A	03/13/17	15.90	7.98	7.92
MW-206A	06/13/17	15.90	9.02	6.88
MW-206A	08/22/17	15.90	9.74	6.16
MW-206A	12/04/17	15.90	9.07	6.83
MW-206A	03/06/18	15.90	8.78	7.12
MW-206A	06/12/18	15.90	6.90	9.00
MW-206A	09/05/18	15.90	9.94	5.96
MW-206A	12/17/18	15.90	9.23	6.67
MW-206A	03/18/19	15.90	8.86	7.04
MW-206A	05/15/19	15.90	9.30	6.60
MW-206A	09/17/19	15.90	10.13	5.77
MW-206A	12/09/19	15.90	9.98	5.92
MW-206A	04/27/20	15.90	9.22	6.68
MW-206A	06/29/20	15.90	9.40	6.50
MW-206A	09/21/20	15.90	10.08	5.82
MW-206A	12/14/20	15.90	7.15	8.75
MW-206A	04/12/21	15.90	7.20	8.70
MW-206A	06/14/21	15.90	9.45	6.45
MW-208	06/28/13	--	4.98	--
MW-208	09/11/13	--	5.67	--
MW-208	10/30/13	--	5.97	--
MW-208	11/05/13	--	5.51	--
MW-208	01/16/14	--	5.46	--
MW-208	02/27/14	--	4.72	--
MW-208	03/25/14	--	4.91	--
MW-208	04/22/14	--	4.98	--
MW-208	06/10/14	--	5.62	--

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-208	07/24/14	--	5.50	--
MW-208	08/28/14	--	5.73	--
MW-208	09/23/14	--	5.76	--
MW-208	10/22/14	--	4.82	--
MW-208	11/05/14	--	4.50	--
MW-208	12/18/14	12.16	4.28	7.88
MW-208	01/27/15	12.16	4.52	7.64
MW-208	02/26/15	12.16	4.92	7.24
MW-208	03/11/15	12.16	5.29	6.87
MW-208	04/21/15	12.16	5.08	7.08
MW-208	05/19/15	12.16	5.31	6.85
MW-208	06/11/15	12.16	5.34	6.82
MW-208	07/29/15	12.16	5.81	6.35
MW-208	08/25/15	12.16	5.95	6.21
MW-208	09/24/15	12.16	5.72	6.44
MW-208	10/15/15	12.16	5.35	6.81
MW-208	11/20/15	12.16	4.37	7.79
MW-208	12/09/15	12.16	2.55	9.61
MW-208	02/23/16	12.16	4.18	7.98
MW-208	04/22/16	12.16	4.90	7.26
MW-208	05/03/16	12.16	5.27	6.89
MW-208	06/02/16	12.16	5.34	6.82
MW-208	07/14/16	12.16	5.58	6.58
MW-208	08/18/16	12.16	5.80	6.36
MW-208	09/08/16	12.16	5.88	6.28
MW-208	10/21/16	12.16	5.40	6.76
MW-208	11/17/16	12.16	3.67	8.49
MW-208	12/01/16	12.16	3.93	8.23
MW-208	01/11/17	12.16	2.83	9.33
MW-208	02/14/17	12.16	3.81	8.35
MW-208	03/13/17	12.16	4.04	8.12
MW-208	04/13/17	12.16	3.78	8.38
MW-208	05/08/17	12.16	4.78	7.38
MW-208	06/13/17	12.16	5.00	7.16
MW-208	07/18/17	12.16	5.32	6.84
MW-208	08/22/17	12.16	5.32	6.84
MW-208	09/13/17	12.16	5.68	6.48
MW-208	10/31/17	12.16	5.58	6.58
MW-208	11/13/17	12.16	4.67	7.49
MW-208	12/04/17	12.16	4.15	8.01

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-208	03/06/18	12.16	4.57	7.59
MW-208	06/12/18	12.16	5.25	6.91
MW-208	09/05/18	12.16	5.75	6.41
MW-208	12/17/18	12.16	4.13	8.03
MW-208	01/16/19	12.16	4.48	7.68
MW-208	02/20/19	12.16	3.98	8.18
MW-208	03/18/19	12.16	4.95	7.21
MW-208	04/10/19	12.16	4.66	7.50
MW-208	05/15/19	12.16	4.91	7.25
MW-208	06/26/19	12.16	5.47	6.69
MW-208	07/24/19	12.16	5.43	6.73
MW-208	08/13/19	12.16	5.45	6.71
MW-208	09/17/19	12.16	5.23	6.93
MW-208	10/16/19	12.16	5.61	6.55
MW-208	11/05/19	12.16	5.62	6.54
MW-208	12/09/19	12.16	5.08	7.08
MW-208	01/28/20	12.16	3.05	9.11
MW-208	02/26/20	12.16	4.81	7.35
MW-208	04/27/20	12.16	5.18	6.98
MW-208	06/16/20	12.16	5.25	6.91
MW-208	06/29/20	12.16	5.08	7.08
MW-208	07/29/20	12.16	5.20	6.96
MW-208	08/27/20	12.16	5.41	6.75
MW-208	09/21/20	12.16	5.09	7.07
MW-208	10/29/20	12.16	5.58	6.58
MW-208	11/30/20	12.16	4.82	7.34
MW-208	12/14/20	12.16	4.75	7.41
MW-208	01/21/21	12.16	4.27	7.89
MW-208	02/16/21	12.16	3.69	8.47
MW-208	03/23/21	12.16	4.53	7.63
MW-208	04/12/21	12.16	5.28	6.88
MW-208	05/12/21	12.16	5.54	6.62
MW-208	06/14/21	12.16	4.97	7.19
MW-209	09/11/13	--	6.61	--
MW-209	10/30/13	--	5.65	--
MW-209	01/16/14	--	5.56	--
MW-209	02/27/14	--	6.04	--
MW-209	03/25/14	--	5.90	--
MW-209	04/22/14	--	5.89	--

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-209	06/10/14	--	8.31	--
MW-209	07/24/14	--	6.91	--
MW-209	08/28/14	--	6.79	--
MW-209	09/23/14	--	5.73	--
MW-209	10/22/14	--	4.91	--
MW-209	11/05/14	--	6.60	--
MW-209	12/18/14	12.10	5.27	6.83
MW-209	01/27/15	12.10	4.88	7.22
MW-209	02/26/15	12.10	5.54	6.56
MW-209	03/11/15	12.10	5.55	6.55
MW-209	05/19/15	12.10	8.60	3.50
MW-210	03/29/13	--	6.53	--
MW-210	06/28/13	--	6.35	--
MW-210	09/11/13	--	6.63	--
MW-210	10/30/13	--	7.08	--
MW-210	11/05/13	--	6.41	--
MW-210	01/16/14	--	6.48	--
MW-210	02/27/14	--	6.79	--
MW-210	03/25/14	--	6.96	--
MW-210	04/22/14	--	6.32	--
MW-210	06/10/14	--	7.08	--
MW-210	07/24/14	--	6.64	--
MW-210	08/28/14	--	6.72	--
MW-210	09/23/14	--	6.56	--
MW-210	10/22/14	--	5.87	--
MW-210	11/05/14	--	6.45	--
MW-210	12/18/14	12.85	5.49	7.36
MW-210	01/27/15	12.85	6.15	6.70
MW-210	02/26/15	12.85	6.69	6.16
MW-210	03/11/15	12.85	6.56	6.29
MW-210	04/21/15	12.85	6.44	6.41
MW-210	05/19/15	12.85	6.50	6.35
MW-210	06/11/15	12.85	6.48	6.37
MW-210	07/29/15	12.85	6.73	6.12
MW-210	08/25/15	12.85	6.23	6.62
MW-210	09/24/15	12.85	6.60	6.25
MW-210	10/15/15	12.85	6.30	6.55
MW-210	11/20/15	12.85	6.47	6.38
MW-210	12/09/15	12.85	4.45	8.40

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-210	02/23/16	12.85	5.82	7.03
MW-210	04/22/16	12.85	5.96	6.89
MW-210	05/03/16	12.85	6.42	6.43
MW-210	06/02/16	12.85	6.44	6.41
MW-210	07/14/16	12.85	6.67	6.18
MW-210	08/18/16	12.85	6.78	6.07
MW-210	09/08/16	12.85	6.78	6.07
MW-210	10/21/16	12.85	6.32	6.53
MW-210	11/17/16	12.85	5.43	7.42
MW-210	12/01/16	12.85	6.00	6.85
MW-210	01/11/17	12.85	5.38	7.47
MW-210	02/14/17	12.85	5.69	7.16
MW-210	03/13/17	12.85	5.98	6.87
MW-210	04/13/17	12.85	6.42	6.43
MW-210	05/08/17	12.85	6.74	6.11
MW-210	06/13/17	12.85	6.18	6.67
MW-210	07/18/17	12.85	6.47	6.38
MW-210	08/22/17	12.85	6.42	6.43
MW-210	09/13/17	12.85	6.60	6.25
MW-210	10/31/17	12.85	6.64	6.21
MW-210	11/13/17	12.85	6.08	6.77
MW-210	12/04/17	12.85	6.05	6.80
MW-210	03/06/18	12.85	6.19	6.66
MW-210	06/12/18	12.85	6.50	6.35
MW-210	09/05/18	12.85	6.74	6.11
MW-210	12/17/18	12.85	5.31	7.54
MW-210	01/16/19	12.85	6.07	6.78
MW-210	02/20/19	12.85	6.45	6.40
MW-210	03/18/19	12.85	6.67	6.18
MW-210	04/10/19	12.85	5.24	7.61
MW-210	05/15/19	12.85	7.05	5.80
MW-210	06/26/19	12.85	6.58	6.27
MW-210	07/24/19	12.85	5.59	7.26
MW-210	08/13/19	12.85	6.58	6.27
MW-210	09/17/19	12.85	6.18	6.67
MW-210	10/16/19	12.85	6.47	6.38
MW-210	11/05/19	12.85	6.78	6.07
MW-210	12/09/19	12.85	6.27	6.58
MW-210	01/28/20	12.85	4.06	8.79
MW-210	02/26/20	12.85	5.78	7.07

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-210	04/27/20	12.85	6.43	6.42
MW-210	06/16/20	12.85	5.56	7.29
MW-210	06/29/20	12.85	6.58	6.27
MW-210	07/29/20	12.85	6.43	6.42
MW-210	08/27/20	12.85	6.71	6.14
MW-210	09/21/20	12.85	6.35	6.50
MW-210	10/29/20	12.85	6.87	5.98
MW-210	11/30/20	12.85	6.23	6.62
MW-210	12/14/20	12.85	6.05	6.80
MW-210	01/21/21	12.85	6.96	5.89
MW-210	02/16/21	12.85	5.83	7.02
MW-210	03/23/21	12.85	6.57	6.28
MW-210	04/12/21	12.85	6.42	6.43
MW-210	05/12/21	12.85	6.61	6.24
MW-210	06/14/21	12.85	6.15	6.70
MW-211	03/29/13	--	5.97	--
MW-211	06/28/13	--	5.68	--
MW-211	10/30/13	--	6.43	--
MW-211	11/05/13	--	5.68	--
MW-211	01/16/14	--	5.51	--
MW-211	02/27/14	--	5.01	--
MW-211	03/25/14	--	5.38	--
MW-211	04/22/14	--	5.33	--
MW-211	06/10/14	--	6.02	--
MW-211	07/24/14	--	6.85	--
MW-211	08/28/14	--	6.06	--
MW-211	09/23/14	--	5.96	--
MW-211	10/22/14	--	4.96	--
MW-211	11/05/14	--	4.70	--
MW-211	12/18/14	12.21	4.50	7.71
MW-211	01/27/15	12.21	4.82	7.39
MW-211	02/26/15	12.21	5.38	6.83
MW-211	03/11/15	12.21	5.52	6.69
MW-211	04/21/15	12.21	5.50	6.71
MW-211	05/19/15	12.21	5.71	6.50
MW-211	06/11/15	12.21	5.70	6.51
MW-211	07/29/15	12.21	6.10	6.11
MW-211	08/25/15	12.21	6.17	6.04
MW-211	09/24/15	12.21	5.72	6.49

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-211	10/15/15	12.21	5.30	6.91
MW-211	11/20/15	12.21	4.78	7.43
MW-211	12/09/15	12.21	2.80	9.41
MW-211	02/23/16	12.21	4.45	7.76
MW-211	04/22/16	12.21	4.67	7.54
MW-211	05/03/16	12.21	5.63	6.58
MW-211	06/02/16	12.21	5.77	6.44
MW-211	07/14/16	12.21	6.02	6.19
MW-211	08/18/16	12.21	6.16	6.05
MW-211	09/08/16	12.21	6.22	5.99
MW-211	10/21/16	12.21	6.01	6.20
MW-211	11/17/16	12.21	3.86	8.35
MW-211	12/01/16	12.21	4.14	8.07
MW-211	01/11/17	12.21	3.18	9.03
MW-211	02/14/17	12.21	4.02	8.19
MW-211	03/13/17	12.21	4.27	7.94
MW-211	04/13/17	12.21	4.02	8.19
MW-211	05/08/17	12.21	5.32	6.89
MW-211	06/13/17	12.21	5.36	6.85
MW-211	07/18/17	12.21	5.78	6.43
MW-211	08/22/17	12.21	5.76	6.45
MW-211	09/13/17	12.21	Not Measured	Not Measured
MW-211	10/31/17	12.21	Not Measured	Not Measured
MW-211	11/13/17	12.21	Not Measured	Not Measured
MW-211	12/04/17	12.21	Not Measured	Not Measured
MW-211	03/06/18	12.21	5.03	7.18
MW-211	06/12/18	12.21	5.73	6.48
MW-211	09/05/18	12.21	6.16	6.05
MW-211	12/17/18	12.21	4.14	8.07
MW-211	01/16/19	12.21	4.30	7.91
MW-211	02/20/19	12.21	4.22	7.99
MW-211	03/18/19	12.21	5.34	6.87
MW-211	04/10/19	12.21	4.66	7.55
MW-211	05/15/19	12.21	5.38	6.83
MW-211	06/26/19	12.21	6.88	5.33
MW-211	07/24/19	12.21	5.88	6.33
MW-211	08/13/19	12.21	5.72	6.49
MW-211	09/17/19	12.21	5.54	6.67
MW-211	10/16/19	12.21	5.77	6.44
MW-211	11/05/19	12.21	6.01	6.20

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-211	12/09/19	12.21	5.54	6.67
MW-211	01/28/20	12.21	3.12	9.09
MW-211	02/26/20	12.21	5.19	7.02
MW-211	04/27/20	12.21	5.47	6.74
MW-211	06/16/20	12.21	5.72	6.49
MW-211	06/29/20	12.21	5.78	6.43
MW-211	07/29/20	12.21	5.67	6.54
MW-211	08/27/20	12.21	5.85	6.36
MW-211	09/21/20	12.21	5.45	6.76
MW-211	10/29/20	12.21	5.99	6.22
MW-211	11/30/20	12.21	5.11	7.10
MW-211	12/14/20	12.21	5.28	6.93
MW-211	01/21/21	12.21	4.82	7.39
MW-211	02/16/21	12.21	4.18	8.03
MW-211	03/23/21	12.21	5.37	6.84
MW-211	04/12/21	12.21	5.65	6.56
MW-211	05/12/21	12.21	5.86	6.35
MW-211	06/14/21	12.21	5.24	6.97
MW-212	03/29/13	--	4.90	--
MW-212	06/28/13	--	4.42	--
MW-212	09/11/13	--	5.32	--
MW-212	09/12/13	--	5.52	--
MW-212	10/30/13	--	5.28	--
MW-212	11/05/13	--	5.51	--
MW-212	01/16/14	--	5.47	--
MW-212	02/27/14	--	6.12	--
MW-212	03/25/14	--	6.30	--
MW-212	04/22/14	--	5.85	--
MW-212	06/10/14	--	Not Measured	Not Measured
MW-212	07/24/14	--	6.06	--
MW-212	08/28/14	--	6.23	--
MW-212	09/23/14	--	6.08	--
MW-212	10/22/14	--	4.13	--
MW-212	11/05/14	--	5.12	--
MW-212	12/18/14	11.95	4.89	7.06
MW-212	01/27/15	11.95	5.38	6.57
MW-212	02/26/15	11.95	5.59	6.36
MW-212	03/11/15	11.95	5.45	6.50
MW-212	04/21/15	11.95	5.85	6.10

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-212	05/19/15	11.95	5.67	6.28
MW-212	06/11/15	11.95	5.46	6.49
MW-212	07/29/15	11.95	5.85	6.10
MW-212	08/25/15	11.95	6.82	5.13
MW-212	09/24/15	11.95	6.33	5.62
MW-212	10/15/15	11.95	5.82	6.13
MW-212	11/20/15	11.95	5.51	6.44
MW-212	12/09/15	11.95	3.61	8.34
MW-212	02/23/16	11.95	4.38	7.57
MW-212	04/22/16	11.95	5.37	6.58
MW-212	05/03/16	11.95	6.00	5.95
MW-212	06/02/16	11.95	6.18	5.77
MW-212	07/14/16	11.95	6.27	5.68
MW-212	08/18/16	11.95	6.44	5.51
MW-212	09/08/16	11.95	6.55	5.40
MW-212	10/21/16	11.95	6.10	5.85
MW-212	11/17/16	11.95	4.68	7.27
MW-212	12/01/16	11.95	4.88	7.07
MW-212	01/11/17	11.95	3.88	8.07
MW-212	02/14/17	11.95	4.79	7.16
MW-212	03/13/17	11.95	4.98	6.97
MW-212	04/13/17	11.95	5.02	6.93
MW-212	05/08/17	11.95	5.31	6.64
MW-212	06/13/17	11.95	5.60	6.35
MW-212	07/18/17	11.95	5.83	6.12
MW-212	08/22/17	11.95	5.92	6.03
MW-212	09/13/17	11.95	6.21	5.74
MW-212	10/31/17	11.95	6.17	5.78
MW-212	11/13/17	11.95	4.98	6.97
MW-212	12/04/17	11.95	5.38	6.57
MW-212	03/06/18	11.95	5.46	6.49
MW-212	06/12/18	11.95	6.06	5.89
MW-212	09/05/18	11.95	6.35	5.60
MW-212	12/17/18	11.95	4.43	7.52
MW-212	01/16/19	11.95	5.56	6.39
MW-212	02/20/19	11.95	4.32	7.63
MW-212	03/18/19	11.95	6.12	5.83
MW-212	04/10/19	11.95	5.78	6.17
MW-212	05/15/19	11.95	6.13	5.82
MW-212	06/26/19	11.95	6.11	5.84

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-212	07/24/19	11.95	5.96	5.99
MW-212	08/13/19	11.95	6.02	5.93
MW-212	09/17/19	11.95	6.28	5.67
MW-212	10/16/19	11.95	6.36	5.59
MW-212	11/05/19	11.95	6.51	5.44
MW-212	12/09/19	11.95	6.14	5.81
MW-212	01/28/20	11.95	2.03	9.92
MW-212	02/26/20	11.95	4.97	6.98
MW-212	04/27/20	11.95	5.29	6.66
MW-212	06/16/20	11.95	6.25	5.70
MW-212	06/29/20	11.95	5.85	6.10
MW-212	07/29/20	11.95	6.31	5.64
MW-212	08/27/20	11.95	6.15	5.80
MW-212	09/21/20	11.95	6.23	5.72
MW-212	10/29/20	11.95	6.23	5.72
MW-212	11/30/20	11.95	5.10	6.85
MW-212	12/14/20	11.95	5.83	6.12
MW-212	01/21/21	11.95	5.63	6.32
MW-212	02/16/21	11.95	4.25	7.70
MW-212	03/23/21	11.95	5.74	6.21
MW-212	04/12/21	11.95	6.31	5.64
MW-212	05/12/21	11.95	6.21	5.74
MW-212	06/14/21	11.95	5.62	6.33
MW-213	07/23/01	8.57	10.17	-1.60
MW-213	10/16/01	8.57	5.81	2.76
MW-213	04/24/02	8.57	7.34	1.23
MW-213	07/18/02	8.57	7.39	1.18
MW-213	10/23/02	8.57	5.04	3.53
MW-213	01/28/03	8.57	4.60	3.97
MW-213	04/15/03	8.57	4.43	4.14
MW-213	07/17/03	8.57	10.24	-1.67
MW-213	10/15/03	8.57	5.85	2.72
MW-213	01/13/04	8.57	5.02	3.55
MW-213	04/19/04	8.57	7.91	0.66
MW-213	07/27/04	8.57	6.94	1.63
MW-213	10/18/04	8.57	5.70	2.87
MW-213	01/24/05	8.57	4.70	3.87
MW-213	04/18/05	8.57	7.43	1.14
MW-213	07/12/05	8.57	8.72	-0.15

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-213	10/18/05	8.57	7.24	1.33
MW-213	01/25/06	8.57	5.79	2.78
MW-213	04/25/06	8.57	7.82	0.75
MW-213	10/11/06	8.57	6.09	2.48
MW-213	11/19/08	8.57	5.98	2.59
MW-213	04/07/09	8.57	7.69	0.88
MW-213	11/16/09	8.57	4.97	3.60
MW-213	04/26/10	8.57	8.22	0.35
MW-213	10/28/10	8.57	5.33	3.24
MW-213	10/25/11	8.57	7.43	1.14
MW-213	06/12/12	8.57	7.84	0.73
MW-213	11/29/12	8.57	4.65	3.92
MW-213	05/15/13	8.57	8.86	-0.29
MW-213	10/30/13	8.57	5.45	3.12
MW-213	11/05/13	8.57	5.29	3.28
MW-213	04/22/14	8.57	6.39	2.18
MW-213	11/05/14	12.17	6.55	5.62
MW-213	05/19/15	12.17	7.85	4.32
MW-213	12/09/15	12.17	4.18	7.99
MW-213	12/14/16	12.17	5.22	6.95
MW-213	06/13/17	12.17	5.75	6.42
MW-213	12/04/17	12.17	6.33	5.84
MW-213	06/12/18	12.17	9.38	2.79
MW-213	12/17/18	12.17	3.87	8.30
MW-213	05/15/19	12.17	8.76	3.41
MW-213	12/09/19	12.17	6.26	5.91
MW-213	06/29/20	12.17	7.30	4.87
MW-213	12/14/20	12.17	5.21	6.96
MW-213	04/12/21	12.17	6.01	6.16
MW-213	06/14/21	12.17	5.45	6.72
MW-214	07/23/01	8.63	10.37	-1.74
MW-214	10/19/01	8.63	5.74	2.89
MW-214	04/24/02	8.63	7.94	0.69
MW-214	07/18/02	8.63	7.25	1.38
MW-214	10/23/02	8.63	5.85	2.78
MW-214	01/28/03	8.63	4.25	4.38
MW-214	04/15/03	8.63	4.66	3.97
MW-214	07/17/03	8.63	10.40	-1.77
MW-214	10/15/03	8.63	4.89	3.74

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-214	01/13/04	8.63	4.86	3.77
MW-214	04/19/04	8.63	7.92	0.71
MW-214	07/27/04	8.63	6.42	2.21
MW-214	10/18/04	8.63	5.37	3.26
MW-214	01/24/05	8.63	5.00	3.63
MW-214	04/18/05	8.63	7.65	0.98
MW-214	07/12/05	8.63	8.82	-0.19
MW-214	10/18/05	8.63	7.18	1.45
MW-214	01/25/06	8.63	5.96	2.67
MW-214	04/25/06	8.63	7.80	0.83
MW-214	10/11/06	8.63	5.95	2.68
MW-214	11/19/08	8.63	5.50	3.13
MW-214	04/07/09	12.92	7.05	5.87
MW-214	11/16/09	12.92	5.28	7.64
MW-214	04/26/10	12.92	7.80	5.12
MW-214	10/28/10	12.92	5.25	7.67
MW-214	10/25/11	12.92	7.78	5.14
MW-214	06/12/12	12.92	7.80	5.12
MW-214	11/29/12	12.92	5.00	7.92
MW-214	05/15/13	12.92	9.23	3.69
MW-214	10/30/13	12.92	7.88	5.04
MW-214	11/05/13	12.92	5.38	7.54
MW-214	02/27/14	12.92	6.08	6.84
MW-214	04/22/14	12.92	6.78	6.14
MW-214	11/05/14	12.39	6.80	5.59
MW-214	05/19/15	12.39	8.10	4.29
MW-214	12/09/15	12.39	4.74	7.65
MW-214	12/14/16	12.39	5.58	6.81
MW-214	06/13/17	12.39	6.04	6.35
MW-214	12/04/17	12.39	6.41	5.98
MW-214	06/12/18	12.39	9.70	2.69
MW-214	12/17/18	12.39	4.13	8.26
MW-214	05/15/19	12.39	7.81	4.58
MW-214	12/09/19	12.39	6.39	6.00
MW-214	06/29/20	12.39	7.59	4.80
MW-214	12/14/20	12.39	5.32	7.07
MW-214	04/12/21	12.39	5.87	6.52
MW-214	06/14/21	12.39	5.63	6.76
MW-301	03/02/12	12.56	6.03	6.53

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-301	05/30/12	12.56	6.03	6.53
MW-301	06/13/12	12.56	6.11	6.45
MW-301	09/26/12	12.56	6.82	5.74
MW-301	11/27/12	12.56	5.34	7.22
MW-301	02/21/13	12.56	5.66	6.90
MW-301	05/16/13	12.56	6.14	6.42
MW-301	09/06/13	12.56	6.71	5.85
MW-301	11/07/13	12.56	6.60	5.96
MW-301	04/22/14	12.56	5.56	7.00
MW-301	07/24/14	12.56	6.38	6.18
MW-301	09/23/14	12.56	6.71	5.85
MW-301	11/04/14	12.56	5.73	6.83
MW-301	03/10/15	12.56	5.64	6.92
MW-301	05/15/15	12.56	6.10	6.46
MW-301	07/29/15	12.56	6.63	5.93
MW-301	12/10/15	12.56	4.57	7.99
MW-301	02/23/16	12.56	4.50	8.06
MW-301	05/03/16	12.56	5.53	7.03
MW-301	08/30/16	12.56	6.68	5.88
MW-301	12/14/16	12.56	5.08	7.48
MW-301	03/13/17	12.56	7.60	4.96
MW-301	05/16/17	12.56	5.21	7.35
MW-301	06/13/17	12.56	5.70	6.86
MW-301	08/22/17	12.56	6.43	6.13
MW-301	12/04/17	12.56	5.40	7.16
MW-301	03/06/18	12.56	5.37	7.19
MW-301	06/12/18	12.56	5.90	6.66
MW-301	09/05/18	12.56	6.58	5.98
MW-301	12/17/18	12.56	5.75	6.81
MW-301	03/18/19	12.56	5.23	7.33
MW-301	05/16/19	12.56	5.74	6.82
MW-301	09/17/19	12.56	6.49	6.07
MW-301	12/09/19	12.56	6.41	6.15
MW-301	04/27/20	12.56	5.50	7.06
MW-301	06/29/20	12.56	5.85	6.71
MW-301	09/21/20	12.56	6.57	5.99
MW-301	12/14/20	12.56	5.90	6.66
MW-301	04/12/21	12.56	5.26	7.30
MW-301	06/14/21	12.56	5.95	6.61

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-302	03/01/12	12.85	6.47	6.38
MW-302	05/30/12	12.85	Not Measured	Not Measured
MW-302	06/13/12	12.85	Not Measured	Not Measured
MW-302	09/26/12	12.85	7.23	5.62
MW-302	11/27/12	12.85	5.83	7.02
MW-302	02/22/13	12.85	6.10	6.75
MW-302	05/16/13	12.85	6.61	6.24
MW-302	09/06/13	12.85	7.11	5.74
MW-302	11/07/13	12.85	6.99	5.86
MW-302	01/16/14	12.85	6.80	6.05
MW-302	04/22/14	12.85	6.09	6.76
MW-302	06/10/14	12.85	6.40	6.45
MW-302	07/24/14	12.85	6.85	6.00
MW-302	09/23/14	12.85	7.13	5.72
MW-302	11/04/14	12.85	6.28	6.57
MW-302	03/10/15	12.85	6.22	6.63
MW-302	05/15/15	12.85	6.60	6.25
MW-302	07/29/15	12.85	7.07	5.78
MW-302	12/10/15	12.85	5.12	7.73
MW-302	02/23/16	12.85	5.23	7.62
MW-302	05/03/16	12.85	6.15	6.70
MW-302	08/30/16	12.85	7.26	5.59
MW-302	12/14/16	12.85	5.74	7.11
MW-302	03/13/17	12.85	5.33	7.52
MW-302	05/16/17	12.85	5.79	7.06
MW-302	06/13/17	12.85	6.30	6.55
MW-302	08/22/17	12.85	6.92	5.93
MW-302	12/04/17	12.85	5.80	7.05
MW-302	03/06/18	12.85	5.91	6.94
MW-302	06/12/18	12.85	6.48	6.37
MW-302	09/05/18	12.85	6.96	5.89
MW-302	12/17/18	12.85	6.10	6.75
MW-302	03/18/19	12.85	5.65	7.20
MW-302	05/16/19	12.85	6.20	6.65
MW-302	09/17/19	12.85	7.33	5.52
MW-302	12/09/19	12.85	6.75	6.10
MW-302	04/27/20	12.85	5.95	6.90
MW-302	06/29/20	12.85	6.22	6.63
MW-302	09/21/20	12.85	6.92	5.93
MW-302	12/15/20	12.85	6.15	6.70

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-302	04/13/21	12.85	5.67	7.18
MW-302	06/15/21	12.85	6.28	6.57
MW-303	03/02/12	12.64	5.96	6.68
MW-303	05/30/12	12.64	5.97	6.67
MW-303	06/13/12	12.64	6.06	6.58
MW-303	09/26/12	12.64	6.86	5.78
MW-303	11/27/12	12.64	5.22	7.42
MW-303	02/21/13	12.64	5.58	7.06
MW-303	05/16/13	12.64	6.10	6.54
MW-303	09/06/13	12.64	6.80	5.84
MW-303	11/07/13	12.64	6.61	6.03
MW-303	04/22/14	12.64	5.49	7.15
MW-303	07/24/14	12.64	6.44	6.20
MW-303	09/23/14	12.64	6.80	5.84
MW-303	11/04/14	12.64	5.73	6.91
MW-303	03/10/15	12.64	5.62	7.02
MW-303	05/15/15	12.64	6.11	6.53
MW-303	07/29/15	12.64	6.71	5.93
MW-303	12/10/15	12.64	4.38	8.26
MW-303	02/23/16	12.64	4.44	8.20
MW-303	05/03/16	12.64	5.56	7.08
MW-303	08/30/16	12.64	6.82	5.82
MW-303	12/14/16	12.64	5.06	7.58
MW-303	03/13/17	12.64	4.51	8.13
MW-303	05/16/17	12.64	5.18	7.46
MW-303	06/13/17	12.64	5.75	6.89
MW-303	08/22/17	12.64	6.55	6.09
MW-303	12/04/17	12.64	5.35	7.29
MW-303	03/06/18	12.64	5.35	7.29
MW-303	06/12/18	12.64	6.07	6.57
MW-303	09/05/18	12.64	6.73	5.91
MW-303	12/17/18	12.64	5.83	6.81
MW-303	03/18/19	12.64	5.33	7.31
MW-303	05/16/19	12.64	5.89	6.75
MW-303	09/17/19	12.64	6.68	5.96
MW-303	12/09/19	12.64	6.54	6.10
MW-303	04/27/20	12.64	5.63	7.01
MW-303	06/29/20	12.64	6.10	6.54
MW-303	09/21/20	12.64	6.72	5.92

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-303	12/14/20	12.64	5.95	6.69
MW-303	04/12/21	12.64	5.33	7.31
MW-303	06/14/21	12.64	6.00	6.64
MW-304	03/01/12	12.70	6.07	6.63
MW-304	05/30/12	12.70	6.12	6.58
MW-304	06/13/12	12.70	6.22	6.48
MW-304	09/26/12	12.70	6.98	5.72
MW-304	11/27/12	12.70	5.43	7.27
MW-304	02/22/13	12.70	5.78	6.92
MW-304	05/16/13	12.70	Not Measured	Not Measured
MW-304	09/06/13	12.70	6.89	5.81
MW-304	11/07/13	12.70	6.75	5.95
MW-304	01/16/14	12.70	6.50	6.20
MW-304	04/22/14	12.70	5.67	7.03
MW-304	07/24/14	12.70	6.57	6.13
MW-304	09/23/14	12.70	6.89	5.81
MW-304	11/04/14	12.70	5.91	6.79
MW-304	03/10/15	12.70	5.80	6.90
MW-304	05/15/15	12.70	6.28	6.42
MW-304	07/29/15	12.70	6.84	5.86
MW-304	12/10/15	12.70	4.80	7.90
MW-304	02/23/16	12.70	Not Measured	Not Measured
MW-304	05/03/16	12.70	5.79	6.91
MW-304	08/30/16	12.70	Not Measured	Not Measured
MW-304	12/14/16	12.70	5.27	7.43
MW-304	03/13/17	12.70	4.82	7.88
MW-304	06/13/17	12.70	5.95	6.75
MW-304	08/22/17	12.70	6.67	6.03
MW-304	12/04/17	12.70	5.53	7.17
MW-304	03/06/18	12.70	5.46	7.24
MW-304	06/12/18	12.70	6.18	6.52
MW-304	09/05/18	12.70	6.78	5.92
MW-304	12/17/18	12.70	5.90	6.80
MW-304	03/18/19	12.70	5.39	7.31
MW-304	05/16/19	12.70	5.98	6.72
MW-304	09/17/19	12.70	6.67	6.03
MW-304	12/09/19	12.70	6.58	6.12
MW-304	04/27/20	12.70	5.71	6.99
MW-304	06/29/20	12.70	6.10	6.60

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-304	09/21/20	12.70	6.78	5.92
MW-304	12/14/20	12.70	6.00	6.70
MW-304	04/12/21	12.70	5.42	7.28
MW-304	06/14/21	12.70	6.05	6.65
MW-305	03/01/12	13.48	6.47	7.01
MW-305	05/30/12	13.48	6.43	7.05
MW-305	06/11/12	13.48	6.43	7.05
MW-305	09/26/12	13.48	7.22	6.26
MW-305	11/28/12	13.48	5.86	7.62
MW-305	05/16/13	13.48	6.01	7.47
MW-305	11/07/13	13.48	6.40	7.08
MW-305	04/22/14	13.48	5.92	7.56
MW-305	11/06/14	13.48	6.22	7.26
MW-305	05/21/15	13.48	6.32	7.16
MW-306	03/01/12	13.36	6.24	7.12
MW-306	05/30/12	13.36	6.14	7.22
MW-306	06/11/12	13.36	6.12	7.24
MW-306	09/26/12	13.36	6.99	6.37
MW-306	11/28/12	13.36	5.64	7.72
MW-306	05/16/13	13.36	5.57	7.79
MW-306	11/07/13	13.36	6.04	7.32
MW-306	04/22/14	13.36	5.63	7.73
MW-306	05/21/15	13.36	5.99	7.37
MW-306	12/10/15	13.36	4.80	8.56
MW-307	11/27/12	15.62	7.94	7.68
MW-307	02/22/13	15.62	8.42	7.20
MW-307	05/16/13	15.62	8.91	6.71
MW-307	09/06/13	15.62	9.67	5.95
MW-307	11/07/13	15.62	9.49	6.13
MW-307	04/22/14	15.62	8.52	7.10
MW-307	03/10/15	15.62	8.42	7.20
MW-307	05/15/15	15.62	8.92	6.70
MW-307	07/29/15	15.62	9.58	6.04
MW-307	12/10/15	15.62	7.33	8.29
MW-307	02/23/16	15.62	7.24	8.38
MW-307	05/03/16	15.62	8.39	7.23
MW-307	08/30/16	15.62	9.51	6.11

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-307	12/14/16	15.62	7.84	7.78
MW-307	03/13/17	15.62	7.32	8.30
MW-307	05/16/17	15.62	8.02	7.60
MW-307	06/13/17	15.62	8.51	7.11
MW-307	08/22/17	15.62	9.42	6.20
MW-307	09/25/17	15.62	9.76	5.86
MW-307	12/04/17	15.62	8.18	7.44
MW-307	03/06/18	15.62	8.16	7.46
MW-307	06/12/18	15.62	8.70	6.92
MW-307	09/05/18	15.62	9.61	6.01
MW-307	12/17/18	15.62	8.62	7.00
MW-307	03/18/19	15.62	8.07	7.55
MW-307	05/15/19	15.62	8.69	6.93
MW-307	09/17/19	15.62	9.52	6.10
MW-307	12/09/19	15.62	9.39	6.23
MW-307	04/27/20	15.62	8.42	7.20
MW-307	06/29/20	15.62	8.83	6.79
MW-307	09/21/20	15.62	9.57	6.05
MW-307	12/14/20	15.62	8.72	6.90
MW-307	04/12/21	15.62	8.10	7.52
MW-307	06/14/21	15.62	8.80	6.82
MW-308	11/27/12	15.59	7.90	7.69
MW-308	02/22/13	15.59	8.22	7.37
MW-308	05/16/13	15.59	8.80	6.79
MW-308	09/06/13	15.59	9.56	6.03
MW-308	11/07/13	15.59	9.45	6.14
MW-308	04/22/14	15.59	8.10	7.49
MW-308	11/04/14	15.59	8.40	7.19
MW-308	03/10/15	15.59	8.31	7.28
MW-308	05/15/15	15.59	9.01	6.58
MW-308	07/29/15	15.59	9.62	5.97
MW-308	12/10/15	15.59	6.15	9.44
MW-308	02/23/16	15.59	6.88	8.71
MW-308	05/03/16	15.59	8.20	7.39
MW-308	08/30/16	15.59	9.59	6.00
MW-308	12/14/16	15.59	7.56	8.03
MW-308	03/13/17	15.59	6.72	8.87
MW-308	05/16/17	15.59	7.69	7.90
MW-308	06/13/17	15.59	8.38	7.21

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-308	08/22/17	15.59	9.29	6.30
MW-308	09/25/17	15.59	9.74	5.85
MW-308	12/04/17	15.59	7.90	7.69
MW-308	03/06/18	15.59	7.98	7.61
MW-308	06/12/18	15.59	8.78	6.81
MW-308	09/05/18	15.59	9.55	6.04
MW-308	12/17/18	15.59	8.38	7.21
MW-308	03/18/19	15.59	8.02	7.57
MW-308	05/15/19	15.59	8.65	6.94
MW-308	09/17/19	15.59	9.49	6.10
MW-308	12/09/19	15.59	9.34	6.25
MW-308	04/27/20	15.59	8.32	7.27
MW-308	06/29/20	15.59	8.78	6.81
MW-308	09/21/20	15.59	9.53	6.06
MW-308	12/14/20	15.59	8.70	6.89
MW-308	04/12/21	15.59	8.00	7.59
MW-308	06/14/21	15.59	8.65	6.94
MW-309	11/27/12	12.67	5.41	7.26
MW-309	02/21/13	12.67	5.73	6.94
MW-309	05/16/13	12.67	6.21	6.46
MW-309	09/06/13	12.67	6.84	5.83
MW-309	11/07/13	12.67	6.76	5.91
MW-309	04/22/14	12.67	5.60	7.07
MW-309	07/24/14	12.67	6.47	6.20
MW-309	09/23/14	12.67	6.81	5.86
MW-309	11/04/14	12.67	5.81	6.86
MW-309	03/10/15	12.67	5.72	6.95
MW-309	05/15/15	12.67	6.18	6.49
MW-309	07/29/15	12.67	6.74	5.93
MW-309	12/10/15	12.67	4.59	8.08
MW-309	02/23/16	12.67	4.70	7.97
MW-309	05/03/16	12.67	5.60	7.07
MW-309	08/30/16	12.67	6.75	5.92
MW-309	12/12/16	12.67	5.12	7.55
MW-309	03/13/17	12.67	4.62	8.05
MW-309	06/13/17	12.67	5.76	6.91
MW-309	08/22/17	12.67	6.56	6.11
MW-309	12/04/17	12.67	5.52	7.15
MW-309	03/06/18	12.67	5.40	7.27

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-309	06/12/18	12.67	6.18	6.49
MW-309	09/05/18	12.67	6.72	5.95
MW-309	12/17/18	12.67	5.93	6.74
MW-309	03/18/19	12.67	5.41	7.26
MW-309	05/16/19	12.67	5.95	6.72
MW-309	09/17/19	12.67	6.74	5.93
MW-309	12/09/19	12.67	6.59	6.08
MW-309	04/27/20	12.67	5.74	6.93
MW-309	06/29/20	12.67	6.00	6.67
MW-309	09/21/20	12.67	6.75	5.92
MW-309	12/14/20	12.67	6.08	6.59
MW-309	04/12/21	12.67	5.42	7.25
MW-309	06/14/21	12.67	6.10	6.57
MW-310	11/27/12	13.51	6.42	7.09
MW-310	02/21/13	13.51	6.78	6.73
MW-310	05/16/13	13.51	7.20	6.31
MW-310	09/06/13	13.51	7.72	5.79
MW-310	11/07/13	13.51	7.61	5.90
MW-310	01/16/14	13.51	7.39	6.12
MW-310	04/23/14	13.51	6.64	6.87
MW-310	07/24/14	13.51	7.43	6.08
MW-310	09/23/14	13.51	7.73	5.78
MW-310	11/04/14	13.51	6.84	6.67
MW-310	03/10/15	13.51	6.78	6.73
MW-310	05/15/15	13.51	7.19	6.32
MW-310	07/29/15	13.51	7.67	5.84
MW-310	12/10/15	13.51	5.80	7.71
MW-310	02/23/16	13.51	5.77	7.74
MW-310	05/03/16	13.51	6.70	6.81
MW-310	08/30/16	13.51	7.76	5.75
MW-310	12/14/16	13.51	6.32	7.19
MW-310	03/13/17	13.51	5.90	7.61
MW-310	05/16/17	13.51	6.39	7.12
MW-310	06/13/17	13.51	6.88	6.63
MW-310	08/22/17	13.51	7.56	5.95
MW-310	12/04/17	13.51	6.48	7.03
MW-310	03/06/18	13.51	6.52	6.99
MW-310	06/12/18	13.51	7.08	6.43
MW-310	09/05/18	13.51	7.57	5.94

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-310	12/17/18	13.51	6.73	6.78
MW-310	03/18/19	13.51	5.28	8.23
MW-310	05/16/19	13.51	6.92	6.59
MW-310	09/17/19	13.51	7.59	5.92
MW-310	12/09/19	13.51	7.41	6.10
MW-310	04/27/20	13.51	6.60	6.91
MW-310	06/29/20	13.51	6.78	6.73
MW-310	09/21/20	13.51	7.57	5.94
MW-310	12/14/20	13.51	8.95	4.56
MW-310	04/12/21	13.51	6.41	7.10
MW-310	06/14/21	13.51	6.98	6.53
MW-311	11/05/14	14.91	8.03	6.88
MW-311	03/10/15	14.91	8.02	6.89
MW-311	05/15/15	14.91	8.42	6.49
MW-311	07/29/15	14.91	8.83	6.08
MW-311	12/10/15	14.91	7.08	7.83
MW-311	02/23/16	14.91	6.97	7.94
MW-311	05/03/16	14.91	7.92	6.99
MW-311	08/30/16	14.91	8.92	5.99
MW-311	12/14/16	14.91	7.53	7.38
MW-311	03/13/17	14.91	7.10	7.81
MW-311	06/13/17	14.91	8.05	6.86
MW-311	08/22/17	14.91	8.70	6.21
MW-311	12/04/17	14.91	7.70	7.21
MW-311	03/06/18	14.91	7.74	7.17
MW-311	06/12/18	14.91	8.32	6.59
MW-311	09/05/18	14.91	8.78	6.13
MW-311	12/17/18	14.91	8.02	6.89
MW-311	03/18/19	14.91	7.63	7.28
MW-311	05/15/19	14.91	8.06	6.85
MW-311	09/17/19	14.91	8.78	6.13
MW-311	12/09/19	14.91	8.64	6.27
MW-311	04/27/20	14.91	7.94	6.97
MW-311	06/29/20	14.91	8.24	6.67
MW-311	09/21/20	14.91	8.80	6.11
MW-311	12/14/20	14.91	8.20	6.71
MW-311	04/12/21	14.91	7.68	7.23
MW-311	06/14/21	14.91	--	--

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-312	11/05/14	14.31	7.58	6.73
MW-312	03/10/15	14.31	7.56	6.75
MW-312	05/15/15	14.31	7.95	6.36
MW-312	07/29/15	14.31	8.34	5.97
MW-312	12/10/15	14.31	6.97	7.34
MW-312	02/23/16	14.31	6.68	7.63
MW-312	05/03/16	14.31	7.49	6.82
MW-312	08/30/16	14.31	8.44	5.87
MW-312	12/14/16	14.31	7.10	7.21
MW-312	03/13/17	14.31	6.75	7.56
MW-312	06/13/17	14.31	7.61	6.70
MW-312	08/22/17	14.31	8.22	6.09
MW-312	12/04/17	14.31	7.36	6.95
MW-312	03/06/18	14.31	7.32	6.99
MW-312	06/12/18	14.31	7.83	6.48
MW-312	09/05/18	14.31	8.31	6.00
MW-312	12/17/18	14.31	7.57	6.74
MW-312	03/18/19	14.31	7.23	7.08
MW-312	05/15/19	14.31	7.59	6.72
MW-312	09/17/19	14.31	8.26	6.05
MW-312	12/09/19	14.31	8.12	6.19
MW-312	04/27/20	14.31	7.52	6.79
MW-312	06/29/20	14.31	7.70	6.61
MW-312	09/21/20	14.31	8.30	6.01
MW-312	12/14/20	14.31	7.77	6.54
MW-312	04/12/21	14.31	7.31	7.00
MW-312	06/14/21	14.31	7.80	6.51
MW-313	08/30/16	13.25	7.05	6.20
MW-313	12/14/16	13.25	5.63	7.62
MW-313	03/13/17	13.25	5.31	7.94
MW-313	06/13/17	13.25	6.10	7.15
MW-313	08/22/17	13.25	6.80	6.45
MW-313	12/04/17	13.25	5.77	7.48
MW-313	03/06/18	13.25	5.87	7.38
MW-313	06/12/18	13.25	6.38	6.87
MW-313	09/05/18	13.25	6.98	6.27
MW-313	12/17/18	13.25	6.04	7.21
MW-313	03/18/19	13.25	5.87	7.38
MW-313	05/15/19	13.25	6.21	7.04

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-313	09/17/19	13.25	6.82	6.43
MW-313	12/09/19	13.25	6.74	6.51
MW-313	04/27/20	13.25	6.03	7.22
MW-313	06/29/20	13.25	6.36	6.89
MW-313	09/21/20	13.25	6.95	6.30
MW-313	12/14/20	13.25	6.27	6.98
MW-313	04/12/21	13.25	5.96	7.29
MW-313	06/14/21	13.25	6.27	6.98
MW-314	08/30/16	13.49	7.72	5.77
MW-314	12/14/16	13.49	6.77	6.72
MW-314	03/13/17	13.49	6.55	6.94
MW-314	06/13/17	13.49	7.08	6.41
MW-314	08/22/17	13.49	7.55	5.94
MW-314	12/04/17	13.49	7.00	6.49
MW-314	03/06/18	13.49	6.99	6.50
MW-314	06/12/18	13.49	7.38	6.11
MW-314	09/05/18	13.49	7.66	5.83
MW-314	12/17/18	13.49	6.98	6.51
MW-314	03/18/19	13.49	6.92	6.57
MW-314	05/16/19	13.49	7.13	6.36
MW-314	09/17/19	13.49	Not Measured	Not Measured
MW-314	12/09/19	13.49	7.46	6.03
MW-314	04/27/20	13.49	7.19	6.30
MW-314	06/29/20	13.49	7.40	6.09
MW-314	09/22/20	13.49	7.53	5.96
MW-314	12/15/20	13.49	7.31	6.18
MW-314	04/13/21	13.49	7.13	6.36
MW-314	06/14/21	13.49	--	--
MW-315	08/30/16	14.61	8.56	6.05
MW-315	12/14/16	14.61	7.26	7.35
MW-315	03/13/17	14.61	6.93	7.68
MW-315	06/13/17	14.61	7.72	6.89
MW-315	08/22/17	14.61	8.32	6.29
MW-315	12/04/17	14.61	7.45	7.16
MW-315	03/06/18	14.61	7.47	7.14
MW-315	06/12/18	14.61	7.98	6.63
MW-315	09/05/18	14.61	8.46	6.15
MW-315	12/17/18	14.61	7.64	6.97

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
MW-315	03/18/19	14.61	7.43	7.18
MW-315	05/15/19	14.61	7.73	6.88
MW-315	09/17/19	14.61	9.43	5.18
MW-315	12/09/19	14.61	8.21	6.40
MW-315	04/27/20	14.61	7.64	6.97
MW-315	06/29/20	14.61	7.95	6.66
MW-315	09/21/20	14.61	8.41	6.20
MW-315	12/14/20	14.61	7.77	6.84
MW-315	04/12/21	14.61	7.52	7.09
MW-315	06/14/21	14.61	7.90	6.71
SH-04	07/08/93	12.92	9.94	2.98
SH-04	08/03/93	12.92	10.15	2.77
SH-04	09/08/93	12.92	10.50	2.42
SH-04	10/08/93	12.92	10.72	2.20
SH-04	11/05/93	12.92	10.88	2.04
SH-04	12/03/93	12.92	10.78	2.14
SH-04	01/05/94	12.92	10.20	2.72
SH-04	02/04/94	12.92	10.12	2.80
SH-04	08/28/95	12.92	10.15	2.77
SH-04	09/27/95	12.92	10.37	2.55
SH-04	04/27/99	12.92	8.55	4.37
SH-04	07/14/99	12.92	7.63	5.29
SH-04	10/18/99	12.92	10.58	2.34
SH-04	01/11/00	12.92	9.06	3.86
SH-04	04/05/00	12.92	8.94	3.98
SH-04	07/18/00	12.92	9.96	2.96
SH-04	10/02/00	12.92	10.62	2.30
SH-04	01/22/01	12.92	10.13	2.79
SH-04	07/23/01	12.92	6.98	5.94
SH-04	10/16/01	12.92	12.20	0.72
SH-04	04/23/02	12.92	9.91	3.01
SH-04	07/18/02	12.92	10.74	2.18
SH-04	10/23/02	12.92	11.27	1.65
SH-04	01/28/03	12.92	9.73	3.19
SH-04	04/15/03	12.92	9.69	3.23
SH-04	07/17/03	12.92	10.78	2.14
SH-04	10/15/03	12.92	11.19	1.73
SH-04	01/13/04	12.92	9.61	3.31
SH-04	04/19/04	16.62	10.05	6.57

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
SH-04	07/27/04	16.62	10.90	5.72
SH-04	10/18/04	16.62	10.89	5.73
SH-04	01/24/05	16.62	10.03	6.59
SH-04	04/18/05	16.62	10.03	6.59
SH-04	07/12/05	16.62	10.51	6.11
SH-04	10/18/05	16.62	11.01	5.61
SH-04	01/25/06	16.62	8.98	7.64
SH-04	10/11/06	16.62	11.06	5.56
SH-04	11/20/08	16.62	10.40	6.22
SH-04	04/08/09	16.62	10.01	6.61
SH-04	11/16/09	16.62	10.09	6.53
SH-04	04/27/10	16.62	9.33	7.29
SH-04	10/25/10	16.62	10.23	6.39
SH-04	10/27/11	16.62	10.68	5.94
SH-04	03/01/12	16.62	9.63	6.99
SH-04	05/30/12	16.62	9.56	7.06
SH-04	06/11/12	16.62	9.55	7.07
SH-04	08/23/12	16.62	9.95	6.67
SH-04	09/25/12	16.62	10.21	6.41
SH-04	11/25/12	16.62	8.77	7.85
SH-04	05/16/13	16.62	8.64	7.98
SH-04	11/04/13	16.62	8.75	7.87
SH-04	04/22/14	16.62	9.00	7.62
SH-04	11/06/14	16.62	9.23	7.39
SH-04	05/21/15	16.62	9.15	7.47
SH-04	12/08/15	16.62	8.80	7.82
SH-04	12/14/16	16.62	8.34	8.28
SH-04	06/13/17	16.62	8.75	7.87
SH-04	12/04/17	16.62	9.33	7.29
SH-04	06/12/18	16.62	9.39	7.23
SH-04	12/17/18	16.62	9.65	6.97
SH-04	05/16/19	16.62	9.72	6.90
SH-04	12/09/19	16.62	10.50	6.12
SH-04	06/29/20	16.62	9.89	6.73
SH-04	12/14/20	16.62	9.90	6.72
SH-04	04/12/21	16.62	9.18	7.44
SH-04	06/14/21	16.62	9.60	7.02
TES-MW-1	04/06/93	13.10	8.79	4.31
TES-MW-1	05/13/93	13.10	8.61	4.49

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
TES-MW-1	06/10/93	13.10	8.63	4.47
TES-MW-1	07/08/93	13.10	8.98	4.12
TES-MW-1	08/03/93	13.10	9.28	3.82
TES-MW-1	09/08/93	13.10	8.66	4.44
TES-MW-1	10/08/93	13.10	9.98	3.12
TES-MW-1	11/05/93	13.10	10.20	2.90
TES-MW-1	12/03/93	13.10	10.17	2.93
TES-MW-1	01/05/94	13.10	9.30	3.80
TES-MW-1	02/04/94	13.10	9.19	3.91
TES-MW-1	08/28/95	13.10	9.26	3.84
TES-MW-1	09/27/95	13.10	9.53	3.57
TES-MW-1	04/27/99	13.10	7.49	5.61
TES-MW-1	07/14/99	13.10	8.90	4.20
TES-MW-1	10/18/99	13.10	9.88	3.22
TES-MW-1	01/11/00	13.10	7.59	5.51
TES-MW-1	04/05/00	13.10	8.20	4.90
TES-MW-1	10/02/00	13.10	9.99	3.11
TES-MW-1	01/22/01	13.10	9.65	3.45
TES-MW-1	07/23/01	13.10	10.77	2.33
TES-MW-1	10/16/01	13.10	11.93	1.17
TES-MW-1	04/23/02	13.10	9.32	3.78
TES-MW-1	07/18/02	13.10	10.34	2.76
TES-MW-1	10/23/02	13.10	10.92	2.18
TES-MW-1	01/30/03	13.10	8.43	4.67
TES-MW-1	04/15/03	13.10	8.89	4.21
TES-MW-1	07/17/03	13.10	10.41	2.69
TES-MW-1	10/15/03	13.10	10.82	2.28
TES-MW-1	01/13/04	13.10	8.82	4.28
TES-MW-1	04/19/04	16.15	9.76	6.39
TES-MW-1	07/27/04	16.15	10.48	5.67
TES-MW-1	10/18/04	16.15	10.27	5.88
TES-MW-1	01/24/05	16.15	9.26	6.89
TES-MW-1	04/18/05	16.15	9.46	6.69
TES-MW-1	07/12/05	16.15	10.10	6.05
TES-MW-1	10/18/05	16.15	10.70	5.45
TES-MW-1	01/25/06	16.15	8.17	7.98
TES-MW-1	04/25/06	16.15	9.33	6.82
TES-MW-1	10/11/06	16.15	10.66	5.49
TES-MW-1	11/18/08	16.15	9.85	6.30
TES-MW-1	11/16/09	16.15	9.35	6.80

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
TES-MW-1	10/26/10	16.15	9.66	6.49
TES-MW-1	10/27/11	16.15	10.42	5.73
TES-MW-1	05/30/12	16.15	9.37	6.78
TES-MW-1	06/13/12	16.15	9.43	6.72
TES-MW-1	06/26/12	16.15	10.31	5.84
TES-MW-1	11/27/12	16.15	8.62	7.53
TES-MW-1	05/16/13	16.15	9.46	6.69
TES-MW-1	11/07/13	16.15	10.06	6.09
TES-MW-1	04/22/14	16.15	8.70	7.45
TES-MW-1	11/04/14	16.15	9.07	7.08
TES-MW-1	03/10/15	16.15	8.92	7.23
TES-MW-1	05/15/15	16.15	9.40	6.75
TES-MW-1	07/29/15	16.15	10.08	6.07
TES-MW-1	12/10/15	16.15	7.14	9.01
TES-MW-1	02/23/16	16.15	7.58	8.57
TES-MW-1	05/03/16	16.15	8.80	7.35
TES-MW-1	08/30/16	16.15	9.86	6.29
TES-MW-1	12/14/16	16.15	8.30	7.85
TES-MW-1	03/13/17	16.15	7.57	8.58
TES-MW-1	06/13/17	16.15	9.01	7.14
TES-MW-1	08/22/17	16.15	9.90	6.25
TES-MW-1	12/04/17	16.15	8.75	7.40
TES-MW-1	03/06/18	16.15	8.61	7.54
TES-MW-1	06/12/18	16.15	9.56	6.59
TES-MW-1	09/05/18	16.15	10.17	5.98
TES-MW-1	12/17/18	16.15	9.08	7.07
TES-MW-1	03/18/19	16.15	8.73	7.42
TES-MW-1	05/15/19	16.15	9.34	6.81
TES-MW-1	09/17/19	16.15	10.19	5.96
TES-MW-1	12/09/19	16.15	9.99	6.16
TES-MW-1	04/27/20	16.15	9.04	7.11
TES-MW-1	06/29/20	16.15	9.50	6.65
TES-MW-1	09/21/20	16.15	10.23	5.92
TES-MW-1	12/14/20	16.15	9.43	6.72
TES-MW-1	04/12/21	16.15	8.79	7.36
TES-MW-1	06/14/21	16.15	9.35	6.80
TX-03	04/06/93	9.58	5.57	4.01
TX-03	06/10/93	9.58	5.50	4.08
TX-03	07/08/93	9.58	5.81	3.77

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
TX-03	08/03/93	9.58	6.08	3.50
TX-03	09/08/93	9.58	6.42	3.16
TX-03	10/08/93	9.58	6.74	2.84
TX-03	11/05/93	9.58	6.91	2.67
TX-03	12/03/93	9.58	6.90	2.68
TX-03	01/05/94	9.58	6.16	3.42
TX-03	02/04/94	9.58	Not Measured	Not Measured
TX-03	08/28/95	9.58	6.16	3.42
TX-03	09/27/95	9.58	Not Measured	Not Measured
TX-03	04/27/99	9.58	4.68	4.90
TX-03	07/14/99	9.58	5.87	3.71
TX-03	10/18/99	9.58	6.71	2.87
TX-03	01/11/00	9.58	5.30	4.28
TX-03	04/05/00	9.58	5.31	4.27
TX-03	07/18/00	9.58	5.98	3.60
TX-03	10/02/00	9.58	6.65	2.93
TX-03A	04/23/02	9.58	6.25	3.33
TX-03A	07/18/02	9.58	6.75	2.83
TX-03A	10/23/02	9.58	7.15	2.43
TX-03A	01/28/03	9.58	5.40	4.18
TX-03A	04/15/03	9.58	5.76	3.82
TX-03A	07/17/03	9.58	6.76	2.82
TX-03A	10/15/03	9.58	7.05	2.53
TX-03A	01/13/04	9.58	5.46	4.12
TX-03A	04/19/04	12.26	6.22	6.04
TX-03A	07/27/04	12.26	6.78	5.48
TX-03A	10/18/04	12.26	6.69	5.57
TX-03A	01/24/05	12.26	5.76	6.50
TX-03A	04/18/05	12.26	5.91	6.35
TX-03A	07/12/05	12.26	6.41	5.85
TX-03A	10/18/05	12.26	6.92	5.34
TX-03A	01/25/06	12.26	4.82	7.44
TX-03A	04/25/06	12.26	5.82	6.44
TX-03A	10/11/06	12.26	6.91	5.35
TX-03A	11/20/08	12.26	6.14	6.12
TX-03A	04/08/09	12.26	5.90	6.36
TX-03A	11/16/09	12.26	5.80	6.46
TX-03A	04/27/10	12.26	5.53	6.73
TX-03A	10/25/10	12.26	6.20	6.06

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
TX-03A	10/27/11	12.26	6.74	5.52
TX-03A	03/01/12	12.26	5.86	6.40
TX-03A	06/13/12	12.26	5.97	6.29
TX-03A	09/26/12	12.26	6.67	5.59
TX-03A	11/27/12	12.26	5.21	7.05
TX-03A	02/21/13	12.26	5.55	6.71
TX-03A	05/16/13	12.26	6.01	6.25
TX-03A	09/06/13	12.26	6.56	5.70
TX-03A	11/07/13	12.26	6.45	5.81
TX-03A	04/22/14	12.26	5.45	6.81
TX-03A	07/24/14	12.26	6.28	5.98
TX-03A	09/23/14	12.26	6.57	5.69
TX-03A	11/04/14	12.26	5.64	6.62
TX-03A	03/10/15	12.26	5.57	6.69
TX-03A	05/15/15	12.26	5.98	6.28
TX-03A	07/29/15	12.26	6.51	5.75
TX-03A	12/10/15	12.26	4.48	7.78
TX-03A	02/23/16	12.26	4.44	7.82
TX-03A	05/03/16	12.26	5.46	6.80
TX-03A	08/30/16	12.26	6.59	5.67
TX-03A	12/14/16	12.26	5.04	7.22
TX-03A	03/13/17	12.26	4.56	7.70
TX-03A	05/16/17	12.26	5.12	7.14
TX-03A	06/13/17	12.26	5.63	6.63
TX-03A	08/22/17	12.26	6.37	5.89
TX-03A	12/04/17	12.26	5.20	7.06
TX-03A	03/27/18	12.26	5.42	6.84
TX-03A	06/12/18	12.26	6.33	5.93
TX-03A	09/05/18	12.26	6.43	5.83
TX-03A	12/17/18	12.26	5.61	6.65
TX-03A	03/18/19	12.26	5.12	7.14
TX-03A	05/16/19	12.26	5.56	6.70
TX-03A	09/17/19	12.26	6.42	5.84
TX-03A	12/09/19	12.26	6.27	5.99
TX-03A	04/27/20	12.26	5.45	6.81
TX-03A	06/29/20	12.26	5.65	6.61
TX-03A	09/21/20	12.26	6.43	5.83
TX-03A	12/15/20	12.26	5.70	6.56
TX-03A	04/12/21	12.26	5.12	7.14
TX-03A	06/14/21	12.26	5.72	6.54

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
TX-04	04/06/93	14.36	9.97	4.39
TX-04	05/13/93	14.36	9.83	4.53
TX-04	06/10/93	14.36	9.87	4.49
TX-04	07/08/93	14.36	10.24	4.12
TX-04	08/03/93	14.36	10.54	3.82
TX-04	09/08/93	14.36	10.96	3.40
TX-04	10/08/93	14.36	11.28	3.08
TX-04	11/05/93	14.36	11.51	2.85
TX-04	12/03/93	14.36	11.43	2.93
TX-04	01/05/94	14.36	10.60	3.76
TX-04	02/04/94	14.36	10.45	3.91
TX-04	08/28/95	14.36	10.64	3.72
TX-04	09/27/95	14.36	10.88	3.48
TX-04	04/27/99	14.36	8.57	5.79
TX-04	07/14/99	14.36	10.01	4.35
TX-04	10/18/99	14.36	11.12	3.24
TX-04	01/11/00	14.36	9.06	5.30
TX-04	04/05/00	14.36	9.04	5.32
TX-04	07/18/00	14.36	10.41	3.95
TX-04	10/02/00	14.36	11.23	3.13
TX-04	01/22/01	14.36	10.70	3.66
TX-04	07/23/01	14.36	11.50	2.86
TX-04	10/16/01	14.36	9.57	4.79
TX-04	04/23/02	14.36	6.81	7.55
TX-04	07/18/02	14.36	11.33	3.03
TX-04	10/23/02	14.36	11.79	2.57
TX-04	01/28/03	14.36	9.51	4.85
TX-04	04/15/03	14.36	9.55	4.81
TX-04	07/17/03	14.36	11.28	3.08
TX-04	10/15/03	14.36	11.93	2.43
TX-04	01/13/04	14.36	9.54	4.82
TX-04	04/19/04	17.65	10.50	7.15
TX-04	07/27/04	17.65	11.46	6.19
TX-04	10/18/04	17.65	11.46	6.19
TX-04	01/24/05	17.65	10.16	7.49
TX-04	04/18/05	17.65	10.35	7.30
TX-04	07/12/05	17.65	11.04	6.61
TX-04	10/18/05	17.65	11.79	5.86
TX-04	01/25/06	17.65	8.43	9.22

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
TX-04	04/25/06	17.65	10.22	7.43
TX-04	10/11/06	17.65	11.77	5.88
TX-04	11/18/08	17.65	10.84	6.81
TX-04	11/16/09	17.65	10.39	7.26
TX-04	10/25/10	17.65	10.77	6.88
TX-04	10/26/11	17.65	11.47	6.18
TX-04	11/26/12	17.65	9.26	8.39
TX-04	11/04/13	17.65	10.98	6.67
TX-04	11/06/14	17.65	10.05	7.60
TX-04	02/27/15	17.65	9.37	8.28
TX-04	12/08/15	17.65	9.27	8.38
TX-04	12/14/16	17.65	8.97	8.68
TX-04	12/04/17	17.65	9.64	8.01
TX-04	12/17/18	17.65	10.39	7.26
TX-04	12/09/19	17.65	11.22	6.43
TX-04	12/14/20	17.65	10.45	7.20
TX-04	04/12/21	17.65	9.63	8.02
TX-06	04/06/93	8.58	3.85	4.73
TX-06	06/10/93	8.58	3.71	4.87
TX-06	09/08/93	8.58	4.96	3.62
TX-06	10/08/93	8.58	5.35	3.23
TX-06	11/05/93	8.58	5.54	3.04
TX-06	12/03/93	8.58	5.37	3.21
TX-06	01/05/94	8.58	4.48	4.10
TX-06	02/04/94	8.58	4.43	4.15
TX-06	08/28/95	8.58	4.75	3.83
TX-06	09/27/95	8.58	5.78	2.80
TX-06	04/27/99	8.58	2.62	5.96
TX-06	07/14/99	8.58	4.05	4.53
TX-06	10/18/99	8.58	5.19	3.39
TX-06	01/11/00	8.58	2.98	5.60
TX-06	04/05/00	8.58	3.16	5.42
TX-06	07/18/00	8.58	4.25	4.33
TX-06	10/02/00	8.58	5.23	3.35
TX-06	04/25/06	8.58	3.88	4.70
TX-06A	04/23/02	8.58	3.98	4.60
TX-06A	07/18/02	8.58	4.14	4.44
TX-06A	10/23/02	8.58	5.98	2.60

Table 3
Groundwater Elevation Data
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	TOC Elevation ft AMSL	Depth to Water ft below TOC	GW Elevation ft AMSL
TX-06A	01/28/03	8.58	3.40	5.18
TX-06A	04/15/03	8.58	3.57	5.01
TX-06A	07/17/03	8.58	5.24	3.34
TX-06A	10/15/03	8.58	6.01	2.57
TX-06A	01/13/04	8.58	3.36	5.22
TX-06A	04/19/04	11.67	4.41	7.26
TX-06A	07/27/04	11.67	5.39	6.28
TX-06A	10/18/04	11.67	5.23	6.44
TX-06A	01/24/05	11.67	3.66	8.01
TX-06A	04/18/05	11.67	3.89	7.78
TX-06A	07/12/05	11.67	4.78	6.89
TX-06A	10/18/05	11.67	5.63	6.04
TX-06A	01/25/06	11.67	3.00	8.67
TX-06A	04/25/06	11.67	5.54	6.13
TX-06A	11/18/08	11.67	4.56	7.11
TX-06A	11/16/09	11.67	3.99	7.68
TX-06A	10/28/10	11.67	4.47	7.20
TX-06A	10/25/11	11.67	5.40	6.27
TX-06A	11/25/12	11.67	3.03	8.64
TX-06A	11/07/13	11.67	4.87	6.80
TX-06A	11/06/14	11.67	4.03	7.64
TX-06A	12/08/15	11.67	2.80	8.87
TX-06A	12/14/16	11.67	3.26	8.41
TX-06A	12/04/17	11.67	3.36	8.31
TX-06A	12/17/18	11.67	4.18	7.49
TX-06A	12/09/19	11.67	5.20	6.47
TX-06A	12/14/20	11.67	4.32	7.35
TX-06A	04/12/21	11.67	3.91	7.76

Notes:

= Indicates data collected during this progress report period

-- = Survey data not available

AMSL = above mean sea level

ft = feet

TOC = Top of monitoring well casing

Table 4
Performance Product Monitoring Data
Shell Harbor Island Terminal
Seattle, Washington

Date	MW-204			MW-208			MW-209			MW-210			MW-211			MW-212		
	Groundwater Depth	Product Depth	Product Thickness	Groundwater Depth	Product Depth	Product Thickness	Groundwater Depth	Product Depth	Product Thickness	Groundwater Depth	Product Depth	Product Thickness	Groundwater Depth	Product Depth	Product Thickness	Groundwater Depth	Product Depth	Product Thickness
06/01/04	10.68	NP	NP	5.01	NP	NP	—	—	—	6.20	6.15	0.05	5.33	NP	NP	5.60	NP	NP
10/02/04	10.12	NP	NP	4.77	NP	NP	—	—	—	7.09	6.31	0.78	5.04	NP	NP	4.89	NP	NP
10/03/04	10.50	NP	NP	5.98	NP	NP	—	—	—	7.26	6.71	0.55	5.86	NP	NP	6.06	NP	NP
04/19/04	10.95	NP	NP	6.29	NP	NP	—	—	—	6.99	NP	NP	4.90	NP	NP	5.13	NP	NP
05/13/04	11.24	NP	NP	6.07	NP	NP	—	—	—	6.95	NP	NP	4.78	NP	NP	4.80	NP	NP
08/06/04	11.35	NP	NP	4.76	NP	NP	—	—	—	5.52	NP	NP	4.64	NP	NP	4.41	NP	NP
06/07/04	11.55	NP	NP	5.06	NP	NP	—	—	—	6.98	NP	NP	4.55	NP	NP	4.61	NP	NP
11/08/04	11.79	NP	NP	6.51	NP	NP	—	—	—	7.22	NP	NP	7.18	NP	NP	7.27	NP	NP
09/09/04	11.79	NP	NP	6.66	NP	NP	—	—	—	7.19	7.18	0.01	7.16	NP	NP	7.14	7.14	Trace
06/10/04	11.76	NP	NP	6.58	NP	NP	—	—	—	7.18	NP	NP	7.11	NP	NP	7.08	NP	NP
09/11/04	11.61	NP	NP	6.17	NP	NP	—	—	—	7.04	7.01	0.03	6.93	NP	NP	6.95	6.95	Trace
10/12/04	—	—	—	3.91	NP	NP	—	—	—	6.96	NP	NP	5.31	NP	NP	5.00	NP	NP
11/01/05	11.04	NP	NP	3.80	NP	NP	—	—	—	5.78	NP	NP	4.85	4.85	Trace	4.71	NP	NP
11/02/05	10.81	10.81	Trace	4.47	NP	NP	—	—	—	6.19	6.18	0.01	5.71	NP	NP	5.68	NP	NP
11/03/05	11.18	NP	NP	5.48	NP	NP	—	—	—	6.73	NP	NP	6.56	6.56	Trace	6.50	NP	NP
04/18/05	10.98	NP	NP	5.97	NP	NP	—	—	—	6.95	6.81	0.14	6.18	NP	NP	6.42	NP	NP
05/25/05	10.98	NP	NP	4.78	NP	NP	—	—	—	6.12	NP	NP	5.73	NP	NP	5.78	NP	NP
09/06/05	11.15	NP	NP	5.74	NP	NP	—	—	—	6.68	6.67	0.01	6.11	NP	NP	6.33	NP	NP
11/07/05	11.40	NP	NP	6.12	NP	NP	—	—	—	7.13	NP	NP	6.32	NP	NP	6.65	NP	NP
08/19/05	11.64	NP	NP	6.25	NP	NP	—	—	—	6.91	NP	NP	6.50	NP	NP	7.85	NP	NP
09/16/05	11.83	NP	NP	6.51	NP	NP	—	—	—	7.32	NP	NP	6.85	NP	NP	7.02	NP	NP
10/18/05	11.98	NP	NP	6.06	NP	NP	—	—	—	6.93	NP	NP	6.51	NP	NP	6.54	NP	NP
09/11/05	11.67	NP	NP	4.43	NP	NP	—	—	—	6.34	NP	NP	4.86	NP	NP	4.10	NP	NP
05/12/05	11.48	NP	NP	4.65	NP	NP	—	—	—	6.57	NP	NP	—	—	—	—	—	—
01/26/06	9.96	NP	NP	4.72	NP	NP	—	—	—	5.83	NP	NP	6.65	NP	NP	3.95	NP	NP
02/28/06	10.24	NP	NP	5.34	NP	NP	—	—	—	6.28	NP	NP	4.53	NP	NP	4.88	NP	NP
03/24/06	10.57	NP	NP	5.34	NP	NP	—	—	—	4.20	NP	NP	5.74	NP	NP	4.94	NP	NP
04/18/06	10.78	NP	NP	5.41	NP	NP	—	—	—	6.46	6.45	0.01	5.81	NP	NP	5.28	NP	NP
05/18/06	11.06	NP	NP	6.02	NP	NP	—	—	—	7.01	NP	NP	6.32	NP	NP	5.56	NP	NP
06/19/06	11.26	NP	NP	5.98	NP	NP	—	—	—	6.91	NP	NP	6.23	NP	NP	5.48	NP	NP
08/28/06	11.74	NP	NP	6.45	NP	NP	—	—	—	7.25	NP	NP	6.63	NP	NP	5.68	NP	NP
09/15/06	11.83	NP	NP	6.21	NP	NP	—	—	—	7.02	NP	NP	6.54	NP	NP	5.53	NP	NP
10/11/06	11.96	NP	NP	6.10	NP	NP	—	—	—	6.95	NP	NP	5.93	NP	NP	5.48	NP	NP
11/29/06	—	—	—	4.19	NP	NP	—	—	—	5.83	NP	NP	5.39	NP	NP	4.27	NP	NP
12/13/06	10.53	NP	NP	3.60	NP	NP	—	—	—	5.58	5.58	0.01	4.39	NP	NP	2.81	NP	NP
01/31/07	10.17	NP	NP	3.98	NP	NP	—	—	—	6.32	6.09	0.23	5.58	NP	NP	4.26	NP	NP
02/26/07	10.56	NP	NP	4.55	NP	NP	—	—	—	6.04	NP	NP	5.24	NP	NP	4.12	NP	NP
03/20/07	10.68	NP	NP	4.68	NP	NP	—	—	—	6.42	6.41	0.01	5.68	NP	NP	4.82	NP	NP
04/26/07	10.99	NP	NP	—	NP	NP	—	—	—	—	NP	NP	6.15	NP	NP	4.97	4.96	0.01
05/25/07	11.29	NP	NP	5.68	NP	NP	—	—	—	7.05	NP	NP	6.60	NP	NP	5.11	NP	NP
06/15/07	11.50	NP	NP	5.93	NP	NP	—	—	—	7.04	NP	NP	6.35	NP	NP	5.03	NP	NP
07/19/07	11.70	NP	NP	5.82	5.81	0.01	—	—	—	6.81	6.80	0.01	6.34	NP	NP	5.29	5.28	0.01
08/17/07	11.81	NP	NP	5.90	NP	NP	—	—	—	6.75	NP	NP	6.22	NP	NP	5.35	NP	NP
09/11/07	—	NP	NP	6.24	NP	NP	—	—	—	7.28	7.28	<.01	6.68	6.68	<.01	5.73	NP	NP
10/29/07	11.80	NP	NP	5.60	NP	NP	—	—	—	6.68	NP	NP	5.25	NP	NP	6.03	NP	NP
11/12/07	11.84	NP	NP	5.56	NP	NP	—	—	—	6.58	6.57-6.58	<.01	5.82	NP	NP	4.83	—	—

Table 4
Performance Product Monitoring Data
Shell Harbor Island Terminal
Seattle, Washington

Date	MW-204			MW-208			MW-209			MW-210			MW-211			MW-212		
	Groundwater Depth	Product Depth	Product Thickness	Groundwater Depth	Product Depth	Product Thickness	Groundwater Depth	Product Depth	Product Thickness	Groundwater Depth	Product Depth	Product Thickness	Groundwater Depth	Product Depth	Product Thickness	Groundwater Depth	Product Depth	Product Thickness
12/26/07	10.84	NP	NP	4.09	NP	NP	—	—	—	5.85	5.84	<.01	4.84	4.85	<.01	4.44	4.43	<.01
01/11/08	10.64	NP	NP	3.84	NP	NP	—	—	—	5.26	5.25	0.01	4.13	4.12	<.01	3.64	3.63	<.01
02/13/08	10.65	NP	NP	4.58	NP	NP	—	—	—	6.60	6.25	0.35	5.75	NP	NP	4.84	NP	NP
03/14/08	11.05	NP	NP	5.37	NP	NP	—	—	—	6.31	NP	NP	5.65	NP	NP	5.01	NP	NP
04/18/08	10.78	NP	NP	5.41	NP	NP	—	—	—	6.46	6.45	0.01	5.81	NP	NP	5.28	NP	NP
05/05/08	11.39	NP	NP	5.84	NP	NP	—	—	—	7.06	7.05	0.01	6.39	NP	NP	5.49	NP	NP
05/20/08	11.53	NP	NP	5.84	NP	NP	—	—	—	7.03	7.02	0.01	6.69	NP	NP	5.52	NP	NP
06/30/08	11.67	NP	NP	5.85	NP	NP	—	—	—	dry	NP	NP	6.35	6.34	0.01	5.45	5.44	0.01
07/10/08	11.70	NP	NP	5.70	NP	NP	—	—	—	6.83	6.80	0.03	6.23	NP	NP	5.24	NP	NP
08/13/08	11.75	NP	NP	5.61	NP	NP	—	—	—	6.75	NP	NP	6.25	NP	NP	6.17	NP	NP
09/02/08	11.82	NP	NP	5.86	NP	NP	—	—	—	6.98	NP	NP	6.40	NP	NP	5.71	NP	NP
10/10/08	11.82	NP	NP	7.11	NP	NP	—	—	—	5.83	NP	NP	6.59	NP	NP	5.83	NP	NP
11/10/08	10.02	NP	NP	4.68	NP	NP	—	—	—	6.40	NP	NP	5.61	NP	NP	5.21	NP	NP
12/08/08	11.48	NP	NP	5.53	NP	NP	—	—	—	6.70	6.52	0.18	5.82	NP	Sheen	5.17	NP	Sheen
01/07/09	11.00	NP	NP	3.93	NP	NP	—	—	—	5.32	NP	Sheen	4.51	NP	Sheen	4.41	NP	Sheen
02/17/09	11.60	NP	NP	5.20	NP	NP	—	—	—	6.40	NP	Sheen	5.72	NP	Sheen	5.21	NP	Sheen
03/06/09	11.21	NP	NP	4.67	NP	NP	—	—	—	6.02	5.59	0.43	4.45	NP	Sheen	4.83	NP	Sheen
04/07/09	—	—	—	—	—	—	—	—	—	6.98	6.96	0.02	—	—	—	—	—	—
07/09/09	11.55	NP	NP	—	—	—	—	—	—	6.90	NP	Sheen	6.34	NP	Sheen	5.56	NP	Sheen
10/20/09	11.75	NP	NP	4.90	NP	NP	—	—	—	6.28	NP	Sheen	5.63	NP	Sheen	4.91	NP	Sheen
01/05/10	10.98	NP	NP	3.60	NP	NP	—	—	—	5.78	NP	Sheen	3.55	NP	NP	3.30	NP	NP
04/26/10	10.7	NP	NP	5.04	NP	NP	—	—	—	6.29	6.28	0.01	5.76	NP	NP	5.05	NP	NP
07/22/10	11.44	NP	NP	5.83	NP	NP	—	—	—	10.02	NP	Sheen	6.74	NP	NP	5.37	NP	Sheen
10/20/10	11.68	NP	NP	5.90	NP	NP	—	—	—	6.78	NP	Sheen	6.20	NP	Sheen	5.45	NP	Sheen
12/12/10	10.79	NP	NP	4.45	NP	NP	—	—	—	5.97	NP	<0.01	5.27	NP	NP	4.62	NP	Sheen
04/08/11	9.97	NP	NP	4.62	NP	NP	—	—	—	5.72	5.71	0.01	5.22	NP	NP	4.82	NP	NP
07/28/11	11.08	NP	NP	5.71	NP	NP	—	—	—	6.90	6.89	0.01	6.22	NP	NP	5.38	NP	NP
09/21/11	11.75	NP	NP	6.19	NP	NP	—	—	—	7.06	7.05	0.01	6.55	NP	NP	5.78	NP	Sheen
03/26/12	—	—	—	4.68	NP	NP	—	—	—	6.09	5.76	0.33	5.08	NP	NP	4.19	NP	Sheen
06/12/12	11.20	NP	NP	5.24	NP	NP	—	—	—	7.25	6.38	0.87	5.86	NP	NP	4.69	NP	Sheen
09/27/12	—	—	—	8.39	NP	NP	—	—	—	7.29	6.98	0.31	6.73	NP	NP	5.47	NP	Sheen
11/27/12	10.81	NP	NP	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12/20/12	—	—	—	2.15	NP	NP	—	—	—	5.40	4.72	0.68	1.97	NP	NP	0.00	NP	NP
02/22/13	10.81	NP	NP	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
03/29/13	—	—	—	—	—	—	—	—	—	6.53	6.44	0.09	5.97	NP	Sheen	4.90	NP	Sheen
05/16/13	11.30	NP	NP	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
06/28/13	—	—	—	4.98	NP	NP	—	—	—	6.35	6.33	0.02	5.68	NP	NP	4.42	NP	Sheen
09/06/13	11.77	NP	NP	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
09/11/13	—	—	—	5.67	NP	Sheen	—	—	—	6.63	NP	NP	—	—	—	5.32	4.82	0.50
09/12/13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.52	5.03	0.49
10/30/13	—	—	—	5.97	NP	NP	—	—	—	7.08	6.96	0.12	6.43	NP	NP	5.29	5.28	0.01
11/07/13	11.73	NP	NP	5.51	NP	NP	—	—	—	6.44	6.41	0.03	5.68	NP	NP	5.54	5.51	0.03
01/16/14	—	—	—	5.46	NP	NP	5.46	5.51	0.05	6.48	6.36	0.12	5.51	NP	NP	5.47	5.43	0.04
02/27/14	—	—	—	4.72	NP	NP	6.04	NP	Sheen	6.79	6.12	0.67	5.01	NP	NP	6.12	NP	Sheen
03/25/14	—	—	—	4.91	NP	NP	5.90	NP	NP	6.96	5.84	1.12	5.38	NP	NP	6.30	NP	NP
04/22/14	10.78	NP	NP	4.98	NP	NP	5.89	NP	NP	6.32	5.98	0.34	5.33	NP	NP	5.85	NP	Sheen

Table 4
Performance Product Monitoring Data
Shell Harbor Island Terminal
Seattle, Washington

Date	MW-204			MW-208			MW-209			MW-210			MW-211			MW-212		
	Groundwater Depth	Product Depth	Product Thickness	Groundwater Depth	Product Depth	Product Thickness	Groundwater Depth	Product Depth	Product Thickness	Groundwater Depth	Product Depth	Product Thickness	Groundwater Depth	Product Depth	Product Thickness	Groundwater Depth	Product Depth	Product Thickness
06/10/14	—	—	—	5.62	NP	Sheen	8.31	NP	NP	7.08	6.85	0.23	6.02	NP	NP	—	NP	NP
07/24/14	—	—	—	5.50	NP	NP	6.91	NP	NP	6.64	6.56	0.08	6.85	NP	NP	6.06	NP	Sheen
08/28/14	—	—	—	5.73	NP	NP	6.79	NP	NP	6.72	6.65	0.07	6.06	NP	NP	6.23	NP	NP
09/23/14	—	—	—	5.76	NP	NP	5.73	NP	NP	6.65	6.55	0.10	5.96	NP	NP	6.08	NP	NP
10/22/14	—	—	—	4.82	NP	NP	4.91	NP	NP	5.87	NP	NP	4.96	NP	NP	4.13	NP	Sheen
11/05/14	11.04	NP	NP	4.50	NP	NP	6.60	NP	NP	6.45	5.90	0.55	4.70	NP	NP	5.12	NP	NP
12/18/14	—	—	—	4.28	NP	NP	5.77	NP	NP	5.49	5.26	0.23	4.50	NP	NP	4.89	NP	NP
01/27/15	—	—	—	4.52	NP	NP	4.88	NP	NP	6.15	5.60	0.55	4.82	NP	NP	5.38	NP	NP
02/26/15	—	—	—	4.92	NP	NP	5.54	NP	NP	6.69	5.88	0.81	5.38	NP	NP	5.59	NP	NP
03/11/15	10.75	NP	NP	5.29	NP	NP	5.55	NP	NP	6.56	6.15	0.41	5.52	NP	NP	5.45	NP	Sheen
04/21/15	—	—	—	5.08	NP	NP	—	—	—	6.44	6.36	0.08	5.50	NP	NP	5.85	NP	NP
05/19/15	11.21	NP	NP	5.31	NP	NP	8.60	NP	NP	6.50	6.49	0.01	5.71	NP	NP	5.67	NP	NP
06/11/15	—	—	—	5.34	NP	NP	—	—	—	6.48	NP	NP	5.70	NP	NP	5.46	NP	NP
07/29/15	11.59	NP	NP	5.81	NP	NP	—	—	—	6.73	NP	NP	6.10	NP	NP	5.85	NP	NP
08/25/15	—	—	—	5.95	NP	NP	—	—	—	6.23	NP	NP	6.17	NP	NP	6.82	NP	NP
09/24/15	—	—	—	5.72	NP	NP	—	—	—	6.60	NP	NP	5.72	NP	NP	6.33	NP	NP
10/15/15	—	—	—	5.35	NP	NP	—	—	—	6.30	NP	NP	5.30	NP	NP	5.82	NP	NP
11/20/15	—	—	—	4.37	NP	NP	—	—	—	6.47	5.67	0.80	4.78	NP	NP	5.51	NP	NP
12/09/15	9.91	NP	NP	2.55	NP	NP	—	—	—	4.45	4.45	Trace	2.80	NP	NP	3.61	NP	NP
02/23/16	—	—	—	4.18	NP	NP	—	—	—	5.82	5.23	0.59	4.45	NP	NP	4.38	NP	Odor
04/22/16	—	—	—	4.90	NP	NP	—	—	—	5.96	5.83	0.13	4.67	NP	NP	5.37	NP	NP
05/03/16	—	—	—	5.27	NP	NP	—	—	—	6.42	6.19	0.23	5.63	NP	NP	6.00	NP	NP
06/02/16	—	—	—	5.34	NP	NP	—	—	—	6.44	6.44	Odor	5.77	NP	NP	6.18	NP	NP
07/14/16	—	—	—	5.58	NP	NP	—	—	—	6.67	NP	NP	6.02	NP	NP	6.27	NP	NP
08/18/16	—	—	—	5.80	NP	NP	—	—	—	6.78	6.78	Odor	6.16	NP	NP	6.44	NP	NP
09/08/16	—	—	—	5.88	NP	NP	—	—	—	6.78	6.78	Odor	6.22	NP	NP	6.55	NP	NP
10/21/16	—	—	—	5.40	NP	NP	—	—	—	6.32	Trace	Trace	6.01	NP	NP	6.10	NP	NP
11/17/16	—	—	—	3.67	NP	NP	—	—	—	5.43	4.49	0.94	3.86	NP	NP	4.68	NP	NP
12/01/16	—	—	—	3.93	NP	NP	—	—	—	6.00	4.94	1.06	4.14	NP	NP	4.88	NP	NP
12/14/16	10.34	NP	NP	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
01/11/17	—	—	—	2.83	NP	NP	—	—	—	5.38	5.34	0.04	3.18	NP	NP	3.88	NP	Sheen
02/14/17	—	—	—	3.81	NP	NP	—	—	—	5.69	4.75	0.94	4.02	NP	NP	4.79	NP	NP
03/13/17	9.83	NP	NP	4.04	NP	NP	—	—	—	5.98	5.17	0.81	4.27	NP	NP	4.98	NP	NP
04/13/17	—	—	—	3.78	NP	NP	—	—	—	6.42	5.03	1.39	4.02	NP	NP	5.02	NP	NP
05/08/17	—	—	—	4.78	NP	NP	—	—	—	6.74	5.83	0.91	5.32	NP	NP	5.31	NP	NP
06/13/17	—	—	—	5.00	NP	NP	—	—	—	6.18	5.98	0.20	5.36	NP	NP	5.60	NP	NP
07/18/17	—	—	—	5.32	NP	NP	—	—	—	6.47	6.43	0.04	5.78	NP	NP	5.83	NP	NP
08/22/17	11.34	NP	NP	5.32	NP	NP	—	—	—	6.42	NP	NP	5.76	NP	NP	5.92	NP	NP
09/13/17	—	—	—	5.68	NP	NP	—	—	—	6.60	NP	NP	—	—	—	6.21	NP	NP
10/31/17	—	—	—	5.58	NP	NP	—	—	—	6.64	NP	NP	—	—	—	6.17	NP	NP
11/13/17	—	—	—	4.67	NP	NP	—	—	—	6.08	NP	NP	—	—	—	4.98	NP	NP
12/04/17	10.84	NP	NP	4.15	NP	NP	—	—	—	6.05	5.53	0.52	—	—	—	5.38	NP	NP
01/24/18	—	—	—	3.55	NP	NP	—	—	—	5.34	4.95	0.39	3.78	NP	NP	4.16	NP	NP
02/15/18	—	—	—	4.68	NP	NP	—	—	—	6.65	5.64	1.01	4.40	NP	NP	5.42	NP	NP
03/06/18	10.55	NP	NP	4.57	NP	NP	—	—	—	6.19	5.80	0.39	5.03	NP	NP	5.46	NP	NP
04/12/18	—	—	—	4.72	NP	NP	—	—	—	4.96	4.87	0.09	5.68	NP	NP	5.37	NP	NP

Table 4
Performance Product Monitoring Data
Shell Harbor Island Terminal
Seattle, Washington

Date	MW-204			MW-208			MW-209			MW-210			MW-211			MW-212		
	Groundwater Depth	Product Depth	Product Thickness	Groundwater Depth	Product Depth	Product Thickness	Groundwater Depth	Product Depth	Product Thickness	Groundwater Depth	Product Depth	Product Thickness	Groundwater Depth	Product Depth	Product Thickness	Groundwater Depth	Product Depth	Product Thickness
05/02/18	—	—	—	4.85	NP	NP	—	—	—	6.22	5.80	0.42	5.17	NP	NP	5.54	NP	NP
06/12/18	11.04	NP	NP	5.25	NP	NP	—	—	—	6.50	6.47	0.03	5.73	NP	NP	6.06	NP	NP
07/12/18	—	—	—	5.24	NP	NP	—	—	—	6.40	6.39	0.01	6.70	NP	NP	5.94	NP	NP
08/23/18	—	—	—	5.57	NP	NP	—	—	—	6.56	6.55	0.01	5.97	NP	NP	6.08	NP	NP
09/05/18	8.20	NP	NP	5.75	NP	NP	—	—	—	6.74	NP	NP	6.16	NP	NP	6.35	NP	NP
10/11/18	—	—	—	5.18	NP	NP	—	—	—	6.32	NP	NP	5.50	NP	NP	5.83	NP	NP
11/07/18	—	—	—	5.01	NP	NP	—	—	—	6.33	NP	NP	5.56	NP	NP	5.66	NP	NP
12/17/18	11.10	NP	NP	4.13	NP	NP	—	—	—	5.31	NP	NP	4.14	NP	NP	4.43	NP	NP
01/16/19	—	—	—	4.48	NP	NP	—	—	—	6.07	5.35	0.72	4.30	NP	NP	5.56	NP	NP
02/20/19	—	—	—	3.98	NP	NP	—	—	—	6.45	5.02	1.43	4.22	NP	NP	4.32	NP	NP
03/18/19	10.51	NP	NP	4.95	4.94	0.01	—	—	—	6.67	5.96	0.71	5.34	NP	NP	6.12	NP	NP
04/10/19	—	—	—	4.66	NP	NP	—	—	—	5.24	NP	NP	4.98	NP	NP	5.78	5.75	0.03
05/15/19	—	—	—	4.19	NP	NP	—	—	—	7.05	6.22	0.83	5.38	NP	NP	6.13	6.10	0.03
06/26/19	—	—	—	5.47	NP	NP	—	—	—	6.58	6.56	0.02	6.88	NP	NP	6.11	NP	NP
07/24/19	—	—	—	5.43	NP	NP	—	—	—	6.59	6.58	0.01	5.88	NP	NP	5.96	NP	NP
08/13/19	—	—	—	5.45	NP	NP	—	—	—	6.58	6.57	0.01	5.72	NP	NP	6.02	NP	NP
09/17/19	11.65	NP	NP	5.23	NP	NP	—	—	—	6.18	6.13	0.05	5.54	NP	NP	6.28	6.25	0.03
10/16/19	—	—	—	5.61	NP	NP	—	—	—	6.47	6.45	0.02	5.77	NP	NP	6.36	NP	NP
11/05/19	—	—	—	5.62	NP	NP	—	—	—	6.78	6.68	0.10	6.01	NP	NP	6.51	NP	NP
12/09/19	11.54	NP	NP	5.08	NP	NP	—	—	—	6.27	NP	NP	5.54	NP	NP	6.14	NP	NP
01/28/20	—	—	—	3.05	NP	NP	—	—	—	4.13	4.06	0.07	3.12	NP	NP	2.03	NP	NP
02/26/20	—	—	—	4.81	NP	NP	—	—	—	6.71	5.78	0.93	5.19	NP	NP	4.97	NP	Sheen
04/27/20	10.94	NP	NP	5.18	NP	NP	—	—	—	6.43	6.23	0.20	5.47	NP	NP	5.29	NP	NP
06/16/20	—	—	—	5.25	NP	NP	—	—	—	5.69	5.56	0.13	5.72	NP	NP	6.25	NP	NP
06/29/20	11.26	NP	NP	5.08	NP	NP	—	—	—	6.58	6.50	0.08	5.78	NP	NP	5.85	NP	NP
07/29/20	—	—	—	5.20	NP	NP	—	—	—	6.43	6.42	0.01	5.67	NP	NP	6.31	NP	NP
08/27/20	—	—	—	5.41	NP	NP	—	—	—	6.71	6.70	0.01	5.85	NP	NP	6.15	NP	NP
09/21/20	11.59	NP	NP	5.09	NP	NP	—	—	—	6.35	NP	NP	5.45	NP	NP	6.23	NP	NP
10/29/20	—	—	—	5.58	NP	NP	—	—	—	6.87	6.50	0.37	5.99	NP	NP	6.23	NP	NP
11/30/20	—	—	—	4.82	NP	NP	—	—	—	6.23	5.78	0.45	5.11	NP	NP	5.10	NP	NP
12/14/20	11.22	NP	NP	4.75	NP	NP	—	—	—	6.05	5.91	0.14	5.28	NP	NP	5.83	NP	NP
01/21/21	—	—	—	4.27	NP	NP	—	—	—	6.96	4.9	2.06	4.82	NP	NP	5.63	NP	NP
02/16/21	—	—	—	3.69	NP	NP	—	—	—	5.83	4.92	0.91	4.18	NP	NP	4.25	NP	NP
03/23/21	—	—	—	4.53	NP	NP	—	—	—	6.57	6.11	0.46	5.37	NP	NP	5.74	NP	NP
04/12/21	—	—	—	5.28	NP	NP	—	—	—	6.42	6.32	0.10	5.65	NP	NP	6.31	NP	NP
05/12/21	—	—	—	5.54	NP	NP	—	—	—	6.61	6.57	0.04	5.86	NP	NP	6.21	NP	NP
06/14/21	—	—	—	4.97	NP	NP	—	—	—	6.15	NP	NP	5.24	NP	NP	5.62	NP	NP

Notes:

= Indicates data collected during this progress report period

Depth relative to the measuring point at the top of the monitoring well PVC pip

Product depth/thick = product depth/thickness in well measured in fe

— = not measured

NP = no product detected

Table 5
Compliance Monitoring Natural Attenuation Parameters
Shell Harbor Island Terminal
Seattle, Washington

		Field Parameters							Laboratory Parameters				
Sample ID	Sample Date	Temperature oC	Conductivity µS/cm	Dissolved Oxygen mg/L	pH	ORP mv	Turbidity NTU	Ferrous Iron mg/L	Nitrogen, Nitrate mg/L	Nitrogen, Nitrite mg/L	Sulfate mg/L	Iron Dissolved mg/L	Manganese Dissolved mg/L
MW-05	05/04/16	14.3	357	3.38	6.26	31.6	9.99	--	--	--	--	--	--
MW-05	12/14/16	12.22	308	5.94	6.45	47	0	--	--	--	--	--	--
MW-05	06/14/17	14.8	249	1.7	6.37	25.4	5.13	--	--	--	--	--	--
MW-05	12/07/17	15.16	263	791.21	6.73	-165.1	8.37	--	--	--	--	--	--
MW-05	06/12/18	15.66	211	1.47	6.35	-44.7	6.88	--	--	--	--	--	--
MW-05	12/18/18	15	299	1.73	7.28	-23.6	80	--	--	--	--	--	--
MW-05	05/15/19	15.3	294	0.85	6.92	18.3	45	--	--	--	--	--	--
MW-05	12/10/19	14.31	300	4.76	5.91	32.8	16	--	--	--	--	--	--
MW-05	06/29/20	14.7	289	0.31	6.74	198.90	11	--	--	--	--	--	--
MW-05	12/14/20	13.95	292	0.71	8.25	148.90	16	--	--	--	--	--	--
MW-05	06/15/21	9.16	276	0.99	6.77	29.8	22	--	--	--	--	--	--
MW-101	12/13/16	8.35	244	1.67	6.81	-75	0	--	--	--	--	--	--
MW-101	12/06/17	10.99	103	0.32	6.75	-12.3	9	--	--	--	--	--	--
MW-101	12/19/18	12.5	239	1.38	7.39	-74.6	11	--	--	--	--	--	--
MW-101	12/09/19	13.13	207	3.59	6.49	-69.6	44	--	--	--	--	--	--
MW-101	12/16/20	12.73	243	0.25	7.67	118.40	48	--	--	--	--	--	--
MW-102	12/14/16	9.44	438	1.96	6.77	32	0	--	--	--	--	--	--
MW-102	12/05/17	11.76	310	1.14	6.43	106.3	9.6	--	--	--	--	--	--
MW-102	12/18/18	14.2	415	1.51	7.49	-35.9	12	--	--	--	--	--	--
MW-102	12/10/19	13.55	410	3.43	6.16	59.4	27	--	--	--	--	--	--
MW-102	12/16/20	13.66	477	0.41	7.72	117.60	30	--	--	--	--	--	--
MW-104	05/05/16	17.11	420	0.65	6.19	-105.1	4.31	--	--	--	--	--	--
MW-104	12/14/16	10.9	340	1.76	6.49	-70	0	--	--	--	--	--	--
MW-104	06/14/17	17.09	323	0.82	7.09	-39.3	2.61	--	--	--	--	--	--
MW-104	12/07/17	15.6	349	0.61	6.65	-4	0	--	--	--	--	--	--
MW-104	06/12/18	19.32	180	0.54	6.24	-44	2.52	--	--	--	--	--	--
MW-104	12/18/18	15.8	331	1.34	7.35	-41.6	10	--	--	--	--	--	--
MW-104	05/15/19	17.8	258	0.78	6.6	-74.9	6	--	--	--	--	--	--
MW-104	12/10/19	15.35	345	2.66	5.4	74.8	36	--	--	--	--	--	--
MW-104	06/29/20	17.6	395	0.24	6.73	198.90	9	--	--	--	--	--	--
MW-104	12/14/20	16.19	412	0.34	7.75	172.10	13	--	--	--	--	--	--
MW-104	06/15/21	11.03	309	1.74	7.20	58.9	6	--	--	--	--	--	--
MW-105	12/14/16	14.63	160	0.32	6.14	-58.1	8.67	--	--	--	--	--	--
MW-105	12/06/17	13.11	136	1.37	6.12	-26.4	0	--	--	--	--	--	--
MW-105	12/18/18	15.5	93	1.01	7.21	-33.7	49	--	--	--	--	--	--
MW-105	12/11/19	15.53	166	0.48	7.31	-17.2	25	--	--	--	--	--	--
MW-105	12/14/20	14.90	289	0.50	7.83	155.60	27	--	--	--	--	--	--
MW-111	05/04/16	15.2	148	3.67	6.29	4.6	23.2	--	--	--	--	--	--
MW-111	12/14/16	13.4	295	0.35	6.45	-87.3	6.48	--	--	--	--	--	--
MW-111	06/14/17	16.6	112	1.12	7.08	1	8.2	--	--	--	--	--	--
MW-111	12/06/17	15.03	386	10.65	6.42	-51.3	5.13	--	--	--	--	--	--
MW-111	06/12/18	17.56	118	0.73	6.22	-46.2	4.01	--	--	--	--	--	--
MW-111	12/18/18	15	417	1.25	7.76	-46.6	20	--	--	--	--	--	--
MW-111	05/15/19	16.1	147	0.75	7.57	-55.6	14	--	--	--	--	--	--
MW-111	12/11/19	15.42	280	0.4	7.54	-13.1	6	--	--	--	--	--	--
MW-111	06/29/20	19	116	0.55	6.75	206.50	9	--	--	--	--	--	--
MW-111	12/14/20	15.93	242	0.28	7.61	169.80	16	--	--	--	--	--	--
MW-111	06/15/21	10.31	110	1.05	6.87	73.4	22	--	--	--	--	--	--
MW-112A	05/05/16	14.28	448	0.87	6.41	-87	4.41	--	--	--	--	--	--
MW-112A	12/12/16	13.7	401	0.67	6.51	-87.1	9.78	--	--	--	--	--	--
MW-112A	06/15/17	15.75	498	0.6	7.26	-62.6	--	--	--	--	--	--	--
MW-112A	12/07/17	13.97	359	0.82	6.5	-27.9	0	--	--	--	--	--	--
MW-112A	06/13/18	16.28	517	0.26	6.51	-56.1	0	--	--	--	--	--	--
MW-112A	12/20/18	14	495	0.12	6.75	-101	128	--	--	--	--	--	--
MW-112A	05/16/19	10.91	529	0.52	6.27	-104	77	--	--	--	--	--	--
MW-112A	12/12/19	13.87	620	0.5	8.9	-80.8	12	--	--	--	--	--	--
MW-112A	06/29/20	15.7	430	0.32	6.76	189.10	16	--	--	--	--	--	--
MW-112A	12/14/20	14.67	399	0.18	7.77	123.70	5	--	--	--	--	--	--
MW-112A	06/15/21	9.58	338	0.89	6.56	31.4	4	--	--	--	--	--	--
MW-201	01/14/04	12	282	1.98	5.59	-95.5	1.5	--	--	--	--	--	--
MW-201	04/20/04	11.4	101	5.52	5	61.3	7	ND	--	--	5.71	--	--
MW-201	01/26/05	9	720	9.12	5.48	129	9	--	--	--	--	--	--
MW-201	04/20/05	11.9	700	6.24	6.66	83	8	0	--	--	7.67	--	--
MW-201	07/13/05	15.4	99	0.16	5.64	178.1	1.9	--	--	--	--	--	--
MW-201	10/20/05	14.1	535	0.42	7.21	49.2	3.9	--	--	--	--	--	--
MW-201	01/26/06	8.3	24	7.47	7.02	-72.5	4	--	--	--	--	--	--

Table 5
Compliance Monitoring Natural Attenuation Parameters
Shell Harbor Island Terminal
Seattle, Washington

		Field Parameters							Laboratory Parameters				
Sample ID	Sample Date	Temperature oC	Conductivity µS/cm	Dissolved Oxygen mg/L	pH	ORP mv	Turbidity NTU	Ferrous Iron mg/L	Nitrogen, Nitrate mg/L	Nitrogen, Nitrite mg/L	Sulfate mg/L	Iron Dissolved mg/L	Manganese Dissolved mg/L
MW-201	11/20/08	9.3	172	14.08	6.12	268	38.2	--	--	--	--	--	--
MW-201	04/07/09	--	--	--	--	--	--	--	--	--	--	--	--
MW-201	11/19/09	10.6	13.2	7.79	5.21	61	6.5	--	--	--	--	--	--
MW-201	10/27/10	12.7	15.2	6.92	4.79	157	0.5	--	--	--	--	--	--
MW-201	10/26/11	11.53	655	2.77	7.59	-76	5.9	--	--	--	--	--	--
MW-201	11/27/12	--	--	--	--	--	--	--	--	--	--	--	--
MW-201	11/06/13	11.78	800	0	6.68	-74	0	--	--	--	--	--	--
MW-201	11/06/14	14.1	121	0	6.08	297	3.3	--	--	--	--	--	--
MW-201	12/13/16	8.12	47	3.58	6.13	142.3	9.27	--	--	--	--	--	--
MW-201	12/06/17	11.3	57	14.37	6.08	37.7	12.2	--	--	--	--	--	--
MW-201	12/19/18	12.6	387	0.65	6.81	-87.4	30	--	--	--	--	--	--
MW-201	12/16/20	11.99	116	0.79	6.75	145.80	120	--	--	--	--	--	--
MW-202	01/14/04	8	52	12.4	5.32	-40.2	9.1	--	--	--	--	--	--
MW-202	04/20/04	12.1	317	1.31	5.27	112	9.8	3	--	--	< 1	--	--
MW-202	01/26/05	11.6	218	1.69	4.8	3	126	--	--	--	--	--	--
MW-202	04/20/05	12.6	44	0	7.78	-60	26	8	--	--	<1	--	--
MW-202	07/13/05	15.7	281	0.11	6.09	-22	6.3	--	--	--	--	--	--
MW-202	10/20/05	15.5	576	0.44	6.42	-47.9	5.5	--	--	--	--	--	--
MW-202	01/26/06	10.78	213	0.18	7.73	-104.7	70	--	--	--	--	--	--
MW-202	11/20/08	14.5	532	3.65	6.4	232	10.2	36.6	--	--	< 1	--	--
MW-202	04/07/09	11.86	0.175	0	6.12	-82	56.1	--	--	--	--	--	--
MW-202	11/19/09	12.4	51.6	1.65	5.81	-53	29.5	19	--	--	82	--	--
MW-202	04/27/10	12.3	34	0.22	5.46	-96	55.4	--	--	--	--	--	--
MW-202	10/27/10	15	29.5	2.35	6.15	-48	24	7.4	--	--	< 1.0	--	--
MW-202	10/26/11	12.9	214	2.45	8.22	-104.2	2.72	8.5	--	--	< 0.50	--	--
MW-202	03/02/12	10.03	334	0	6.3	-39	27.2	--	--	--	--	--	--
MW-202	06/13/12	12.5	284	4.36	7.22	-59	25.7	--	--	--	--	--	--
MW-202	09/26/12	14.2	332	0	6.74	-112	25	--	--	--	--	--	--
MW-202	11/27/12	12.99	383	0	7.33	-70	77.7	--	--	--	15	--	--
MW-202	11/06/13	13.67	263	2.28	5.79	-43.6	4.9	3	--	--	0.76	< 0.200	0.439
MW-202	11/06/14	15.87	373	0	6.47	-49	107	5	< 0.25	< 0.25	7	0.288	0.631
MW-202	12/10/15	12.85	241	0.42	6.42	-21.3	98.6	1.5	< 0.10	< 0.10	11.6	24.2	0.628
MW-202	05/03/16	15.95	232	0.36	6.2	-45.6	16.9	--	--	--	--	--	--
MW-202	12/13/16	10.66	223	0.39	6.33	-102.4	9.52	0.5	< 0.0400	< 0.0400	1.24 J	45.3	0.401
MW-202	06/14/17	14.76	222	0.33	7.08	-145.6	9	--	--	--	--	--	--
MW-202	12/06/17	11.62	153	0.71	6	-49	4.5	2.75	< 0.0400	< 0.0400	28.6	11.2	0.45
MW-202	06/14/18	14.22	159	0.69	6.04	-2.9	9.87	--	--	--	--	--	--
MW-202	12/19/18	12.6	287	0.28	6.84	-87.4	22	14	< 0.0400	< 0.0400	58.4	17.9	0.649
MW-202	05/16/19	12.6	266	0.48	6.53	-91.9	71	--	--	--	--	--	--
MW-202	12/10/19	12.88	278	4.97	6.12	-10.2	50	3.5	<0.0600	<0.0600	8.61	28.3	0.543
MW-202	06/29/20	15.4	406	0.77	7.24	173.70	42	--	--	--	--	--	--
MW-202	12/16/20	12.44	272	0.20	7.36	111.10	88	1.20	<0.200	<0.400	9.44 J+	12.90	0.436
MW-202	06/14/21	8.10	254	1.50	6.63	170.6	34	--	--	--	--	--	--
MW-203	01/13/04	12.4	243	2.91	6.38	-6.9	13.7	--	--	--	--	--	--
MW-203	04/19/04	13	369	1.02	6.58	110	39.2	1	--	--	2.4	--	--
MW-203	07/27/04	16.4	514	1.12	6.11	90.9	32.2	--	--	--	--	--	--
MW-203	10/18/04	14.8	643	0.35	9.42	136.8	110	--	--	--	--	--	--
MW-203	01/25/05	12.9	476	2.79	6.37	21	210	--	--	--	--	--	--
MW-203	04/19/05	12.8	44	0	6.22	0	5	5.5	--	--	6.48	--	--
MW-203	07/13/05	15	351	0.67	6.34	-46	15	--	--	--	--	--	--
MW-203	10/20/05	15.9	902	1.12	6.69	-48.7	34	--	--	--	--	--	--
MW-203	01/23/06	11.4	131	2.2	6.45	7.6	60	--	--	--	--	--	--
MW-203	11/18/08	13.9	448	10.3	7.11	87	190	1.35	--	--	17.1	--	--
MW-203	04/08/09	12.23	136	1.87	6.83	-31	338	--	--	--	--	--	--
MW-203	11/17/09	12.2	25.8	5.49	6.28	197	45.6	< 0.1	--	--	8.3	--	--
MW-203	04/26/10	12.7	40.9	0.3	6.81	-109	80.1	--	--	--	--	--	--
MW-203	10/25/10	14.1	43.8	1.58	6.1	-4	51.8	4.3	--	--	14	--	--
MW-203	05/23/11	--	--	--	--	--	--	--	--	--	--	--	--
MW-203	10/26/11	13.98	384	2.94	8.4	-80.9	10.9	8.8	--	--	< 0.50	--	--
MW-203	06/13/12	12.8	375	4.27	7.2	-38	22.3	--	--	--	--	--	--
MW-203	11/27/12	14.83	250	0	6.61	22	41.7	--	--	--	24.4	--	--
MW-203	11/06/13	12.59	486	0.18	6.35	-51	0	3	--	--	< 0.50	3.68	0.178
MW-203	11/06/14	16.13	236	4.55	6.71	135.1	28.4	1.5	0.42 J	< 0.25	14.5	< 0.200	0.127
MW-203	12/09/15	12.51	0.407	0	6.05	-60	67.2	5	< 0.10	< 0.10	4.13	24	0.197
MW-203	05/04/16	12.93	266	4.91	6.42	-108	14.5	--	--	--	--	--	--
MW-203	12/13/16	10.46	221	0.73	6.25	-88	9.6	0.5	< 0.0400	< 0.0400	2.27	14.1	0.134
MW-203	06/14/17	15.02	203	0.23	6.09	-205.4	12.7	--	--	--	--	--	--
MW-203	12/08/17	11.65	274	1.6	6.3	43.8	0	1.25	< 0.0400	< 0.0400	21.6	3.32	0.166
MW-203	06/14/18	13.9	265	1.93	6.25	3.9	35.1	--	--	--	--	--	--
MW-203	12/20/18	12.8	357	0.78	7.41	-44.6	>1000	1.4	0.307	0.307	7.81	2.32	0.195
MW-203	05/16/19	10.89	353	1.89	5.52	-1	99	--	--	--	--	--	--

Table 5
Compliance Monitoring Natural Attenuation Parameters
Shell Harbor Island Terminal
Seattle, Washington

		Field Parameters							Laboratory Parameters				
Sample ID	Sample Date	Temperature oC	Conductivity µS/cm	Dissolved Oxygen mg/L	pH	ORP mv	Turbidity NTU	Ferrous Iron mg/L	Nitrogen, Nitrate mg/L	Nitrogen, Nitrite mg/L	Sulfate mg/L	Iron Dissolved mg/L	Manganese Dissolved mg/L
MW-203	12/10/19	12.77	441	4.84	5.3	0.5	41	3	<0.0600	<0.0600	1.34 J	20	0.207
MW-203	06/29/20	15.1	339	1.06	7.18	-9.10	10	--	--	--	--	--	--
MW-203	12/15/20	12.26	319	0.77	8.07	130.10	87	2.00	1.49	<0.400	35.80	<1.00	0.0182
MW-203	06/14/21	7.69	259	1.28	6.33	21.6	406	--	--	--	--	--	--
MW-204	12/13/16	10.72	173	0.99	5.84	21	4	--	--	--	--	--	--
MW-204	12/06/17	13.48	129	12.04	5.6	49.8	6.22	--	--	--	--	--	--
MW-204	12/19/18	12.9	218	0.33	6.98	-66.1	27	--	--	--	--	--	--
MW-204	12/10/19	13.47	340	1.83	6.01	-6	22	--	--	--	--	--	--
MW-204	12/16/20	13.41	347	1.00	6.27	190.10	70	--	--	--	--	--	--
MW-206A	12/12/16	11.31	482	0.68	6.6	-104.9	9.44	--	--	--	--	--	--
MW-206A	12/08/17	11.87	491	1.39	6.63	34	0	--	--	--	--	--	--
MW-206A	12/20/18	13.1	605	0.81	7.41	-52.3	70	--	--	--	--	--	--
MW-206A	12/10/19	13.08	617	2.28	6.07	-41.9	11	--	--	--	--	--	--
MW-206A	12/16/20	12.02	718	0.22	9.45	42.10	440	--	--	--	--	--	--
MW-213	05/03/16	14.65	12440	0.13	8.26	-330	0	--	--	--	--	--	--
MW-213	12/13/16	9.57	18.7	5.52	8.28	-321	5.6	--	--	--	--	--	--
MW-213	06/14/17	15.37	10550	0.23	7.03	-330.2	7.36	--	--	--	--	--	--
MW-213	12/07/17	12.43	13640	0.55	8.14	-72.3	0	--	--	--	--	--	--
MW-213	06/12/18	14.43	8410	0.91	7.65	-91.3	3.02	--	--	--	--	--	--
MW-213	12/19/18	12.8	11390	0.82	7.57	-45.6	5	--	--	--	--	--	--
MW-213	05/16/19	14.8	11641	1.84	7.5	79.5	2	--	--	--	--	--	--
MW-213	12/11/19	10.91	1322	1.28	8.51	-112.7	16	--	--	--	--	--	--
MW-213	06/29/20	13	16341	0.34	7.83	191.70	9	--	--	--	--	--	--
MW-213	12/16/20	12.38	17,924	0.08	7.99	53.20	0	--	--	--	--	--	--
MW-213	06/14/21	7.18	17,427	0.47	7.89	113.6	3	--	--	--	--	--	--
MW-214	05/03/16	14.91	10960	0.44	8.16	-363	0	--	--	--	--	--	--
MW-214	12/14/16	10.5	312	7.24	6.98	39	0	--	--	--	--	--	--
MW-214	06/14/17	15.55	10395	0.05	8.14	-358.6	0.85	--	--	--	--	--	--
MW-214	12/07/17	14.01	7725	838.05	8.01	-355.1	3.11	--	--	--	--	--	--
MW-214	06/12/18	14.77	3900	0.74	7.82	-90.5	0	--	--	--	--	--	--
MW-214	12/19/18	13.4	11888	0.12	7.45	-101.6	29	--	--	--	--	--	--
MW-214	05/16/19	15.7	10667	0.59	7.43	-62.3	3	--	--	--	--	--	--
MW-214	12/11/19	11.41	1576	1.16	10.33	-211.5	9	--	--	--	--	--	--
MW-214	06/29/20	15.93	1516	1.66	7.91	-152.70	12	--	--	--	--	--	--
MW-214	12/16/20	13.00	17,750	0.15	6.90	95.20	6	--	--	--	--	--	--
MW-214	06/14/21	8.21	2,117	1.49	7.47	78.3	2	--	--	--	--	--	--
MW-301	02/22/16	12.32	449	0.34	6.5	-127.1	15.1	--	--	--	--	--	--
MW-301	05/02/16	17.58	257	0.29	6.6	-119.6	6.74	--	--	--	--	--	--
MW-301	08/29/16	18.76	183	1.96	6.86	5	0	--	--	--	--	--	--
MW-301	12/12/16	10.16	357	2.37	6.73	-140	0	--	--	--	--	--	--
MW-301	03/13/17	11.62	355	0	6.72	-125	0	--	--	--	--	--	--
MW-301	06/13/17	15.6	192	0.37	6.59	-107.4	--	--	--	--	--	--	--
MW-301	08/22/17	20.23	187	0	7.32	-105	0	--	--	--	--	--	--
MW-301	12/08/17	14.93	151	1.2	6.89	-118.3	-11	--	--	--	--	--	--
MW-301	03/06/18	12.6	435	0.82	6.78	19.7	3.19	--	--	--	--	--	--
MW-301	06/13/18	16.7	521	0.21	6.61	-76.4	1.8	--	--	--	--	--	--
MW-301	09/06/18	18.95	651	0.16	6.57	-94.8	1.34	7	--	--	--	--	--
MW-301	12/20/18	15.1	836	0.12	6.53	-50	14	--	--	--	--	--	--
MW-301	03/19/19	13.4	930	1.02	7.52	-48.5	119	--	--	--	--	--	--
MW-301	05/16/19	12.3	693	0.71	6.11	-52	97	--	--	--	--	--	--
MW-301	09/17/19	15.31	373	0.87	6.7	-23.8	11	--	--	--	--	--	--
MW-301	12/11/19	14.25	755	10.14	7.15	55.9	64	--	--	--	--	--	--
MW-301	04/28/20	13.4	628	0.51	7.56	14.60	14	--	--	--	--	--	--
MW-301	06/29/20	20.47	572	0.66	6.50	-28.40	60	--	--	--	--	--	--
MW-301	09/21/20	19.2	699	0.37	6.29	20.80	12	--	--	--	--	--	--
MW-301	12/15/20	11.20	611	0.40	7.53	116.90	33	--	--	--	--	--	--
MW-301	04/13/21	10.6	347	2.26	6.01	35.3	76	--	--	--	--	--	--
MW-301	06/14/21	11.44	726	1.78	7.00	37.3	27	--	--	--	--	--	--
MW-302	03/01/12	--	--	--	--	--	--	--	--	--	--	--	--
MW-302	06/12/12	--	--	--	--	--	--	--	--	--	--	--	--
MW-302	06/28/12	--	--	--	--	--	--	--	--	--	--	--	--
MW-302	09/25/12	--	--	--	--	--	--	--	--	--	--	--	--
MW-302	11/25/12	--	--	--	--	--	--	--	--	--	--	--	--
MW-302	11/05/13	14.81	346	0.1	6.42	-67	0	6.0-6.5	--	--	13.2	< 0.200	0.349
MW-302	11/03/14	15.91	342	0.53	6.5	-27.8	5.06	2.5	< 0.10	< 0.10	< 0.50	0.765	0.493
MW-302	12/10/15	14.58	337	0.35	6.63	-104.8	0	1.5	< 0.10	< 0.10	< 0.50	27.4	0.402
MW-302	05/04/16	13.6	371	4.92	6.51	-116.5	2.49	--	--	--	--	--	--

Table 5
Compliance Monitoring Natural Attenuation Parameters
Shell Harbor Island Terminal
Seattle, Washington

		Field Parameters							Laboratory Parameters				
Sample ID	Sample Date	Temperature oC	Conductivity µS/cm	Dissolved Oxygen mg/L	pH	ORP mv	Turbidity NTU	Ferrous Iron mg/L	Nitrogen, Nitrate mg/L	Nitrogen, Nitrite mg/L	Sulfate mg/L	Iron Dissolved mg/L	Manganese Dissolved mg/L
MW-302	12/15/16	10.93	388	0.95	6.58	-89	0	1	< 0.0400	< 0.0400	< 0.128	35.1	0.572
MW-302	06/13/17	16.99	143	0.3	5.79	39.2	--	--	--	--	--	--	--
MW-302	08/23/17	20.32	358	9.36	7.08	-54	2.7	--	--	--	--	--	--
MW-302	12/05/17	13.54	755	0.89	5.82	30.4	8.95	4.25	< 0.0400	< 0.0400	97.2	42.9	2.15
MW-302	03/07/18	11.57	984	0.27	6.15	12	9.95	--	--	--	--	--	--
MW-302	06/13/18	16.08	446	0.81	6.04	-61.4	5.51	--	--	--	--	--	--
MW-302	09/06/18	19.67	424	0.74	6.49	-27	3.37	1.75	--	--	--	--	--
MW-302	12/20/18	15.9	726	0.1	6.4	73	55	7	0.105	0.105	364	1.4	2.52
MW-302	03/19/19	14.5	1321	0.4	7.44	-54.1	58	--	--	--	--	--	--
MW-302	05/16/19	12.83	589	0.7	5.81	-53	43	--	--	--	--	--	--
MW-302	09/17/19	14.71	424	0.79	6.75	-35.3	14	--	--	--	--	--	--
MW-302	12/11/19	16.95	1359	2.13	8.06	-57.4	19	3	<0.0600	<0.0600	629	67.4	3.52
MW-302	04/28/20	14	655	0.33	7.32	-25.30	16	--	--	--	--	--	--
MW-302	06/29/20	15.22	509	0.88	6.29	-30.80	34	--	--	--	--	--	--
MW-302	09/21/20	18	499	0,84	6.30	46.20	39	--	--	--	--	--	--
MW-302	12/15/20	10.90	692	0.38	7.46	116.20	131	1.80	<0.200	<0.400	11.80	12.40	1.74
MW-302	04/13/21	13.4	409	1.39	6.53	-53.4	26	--	--	--	--	--	--
MW-302	06/15/21	10.57	538	0.45	7.21	6	26	--	--	--	--	--	--
MW-303	05/04/16	11.9	91	2.92	6.42	-73.9	9.31	--	--	--	--	--	--
MW-303	12/12/16	11.2	185	1.29	6.49	-50	0	--	--	--	--	--	--
MW-303	06/13/17	15.03	69	0.3	6.2	15.9	--	--	--	--	--	--	MN
MW-303	12/08/17	12.72	257	1.74	5.18	77.1	4.48	--	--	--	--	--	--
MW-303	03/06/18	11.47	382	0.76	5.59	91.7	3.47	--	--	--	--	--	--
MW-303	06/13/18	14.32	148	0.64	5.84	-19.6	4.22	--	--	--	--	--	--
MW-303	09/06/18	18.26	388	0.32	6.38	-56.1	4.4	6	--	--	--	--	--
MW-303	12/20/18	12.9	561	0.39	5.51	145	18	--	--	--	--	--	--
MW-303	03/19/19	11.1	470	0.59	7.19	-34.9	20	--	--	--	--	--	--
MW-303	05/16/19	10.49	590	1.8	5.56	-19	29	--	--	--	--	--	--
MW-303	09/17/19	14.68	474	1.3	6.31	-24.7	7	--	--	--	--	--	--
MW-303	12/11/19	13.89	570	0.71	7.8	-53.9	41	--	--	--	--	--	--
MW-303	04/28/20	12.7	238	0.43	6.65	40.80	20	--	--	--	--	--	--
MW-303	06/29/20	14.79	566	0.72	7.22	2.10	24	--	--	--	--	--	--
MW-303	09/21/20	18.8	1105	0.25	6.50	1.40	20	--	--	--	--	--	--
MW-303	12/15/20	10.93	382	0.42	7.20	115.80	15	--	--	--	--	--	--
MW-303	04/13/21	9.1	87	2.46	5.91	36.1	26	--	--	--	--	--	--
MW-303	06/14/21	9.33	368	1.32	6.65	6.7	12	--	--	--	--	--	--
MW-304	11/05/13	12.2	396	0.1	6.6	-119	0	7	--	--	< 0.50	0.345	0.273
MW-304	11/03/14	14.86	310	0.62	6.46	-36.9	11.2	5	< 0.10	< 0.10	0.51	3.60 J	0.297 J
MW-304	12/10/15	12.81	345	0.35	6.55	100.1	3.99	3	< 0.10	< 0.10	0.873	33.7	0.39
MW-304	05/04/16	12.9	337	1.95	6.35	-103.1	6.29	--	--	--	--	--	--
MW-304	12/15/16	9.2	342	2.4	6.65	-92	0	0.5	< 0.0400	< 0.0400	3.35	28.2	0.276
MW-304	06/13/17	16.82	162	1.47	6.27	-24.2	--	--	--	--	--	--	--
MW-304	08/23/17	20.76	529	0	7.09	-55	0.1	--	--	--	--	--	--
MW-304	12/05/17	13.01	1421	1	3.42	134.2	3.96	2.25	< 0.0400	< 0.0400	253	18.6	8.94
MW-304	03/06/18	12.36	794	1.52	4.82	105.9	3.92	--	--	--	--	--	--
MW-304	06/13/18	16.04	305	0.19	6.12	-63.2	5.78	--	--	--	--	--	--
MW-304	09/06/18	20.2	439	0.48	4.72	127.5	3.83	--	--	--	--	--	--
MW-304	12/20/18	14.3	830	0.19	4.19	272	96	6.5	0.0730 J	0.0730 J	520	2.51	2.74
MW-304	03/19/19	11.8	155	0.71	7.53	-30.3	24	--	--	--	--	--	--
MW-304	05/16/19	10.89	367	1.27	4.82	36	9	--	--	--	--	--	--
MW-304	09/17/19	13.56	323	1.29	6.73	5.4	15	--	--	--	--	--	--
MW-304	12/11/19	15.3	1518	5.46	8.24	91.6	62	6	<0.0600	<0.0600	908	11.3	4.79
MW-304	04/28/20	12.4	324	0.59	6.92	25.80	10	--	--	--	--	--	--
MW-304	06/29/20	14.78	301	0.78	6.83	-13.60	26	--	--	--	--	--	--
MW-304	09/21/20	16.7	393	0.22	5.78	59.30	41	--	--	--	--	--	--
MW-304	12/15/20	11.07	457	0.33	7.32	120.80	32	1.00	<0.200	<0.400	75.10	50.60	0.483
MW-304	04/13/21	9.0	92	2.60	6.00	79.8	33	--	--	--	--	--	--
MW-304	06/15/21	9.80	224	1.12	6.49	55.5	8	--	--	--	--	--	--
MW-307	11/26/12	12.7	332	0	7.18	-62	36.6	--	--	--	1.5	--	--
MW-307	11/06/13	12.31	231	0.07	6.42	-106	0.8	3.5	--	--	< 0.50	< 0.200	0.217
MW-307	11/04/14	14.49	383	0.26	6.86	-107	6.9	4.5	< 0.10	< 0.10	< 0.50	18.2	0.513
MW-307	12/09/15	12.78	225	0.51	6.4	-77.6	7.89	2.25	< 0.10	< 0.10	< 0.50	29.6	0.338
MW-307	02/23/16	10.43	225	0.27	6.21	-68.9	9.98	--	--	--	--	--	--
MW-307	05/03/16	12.71	211	0.39	6.05	-54	9.27	--	--	--	--	--	--
MW-307	08/30/16	16.9	198	1.18	6.91	67	0	--	--	--	--	--	--
MW-307	12/13/16	10.28	138	0.57	6.46	-87.4	8.09	1.5	< 0.0400	< 0.0400	< 0.256	21.2	0.235
MW-307	03/14/17	11.62	224	0	6.46	-79	0	--	--	--	--	--	--
MW-307	06/15/17	12.72	126	0.33	5.4	15.1	1.91	--	--	--	--	--	--
MW-307	08/23/17	17.87	149	0	7.03	-13	2.1	--	--	--	--	--	--
MW-307	12/06/17	14.55	405	1.49	6.18	-47.1	0	0.6	< 0.0400	< 0.0400	465	37.1	1.07

Table 5
Compliance Monitoring Natural Attenuation Parameters
Shell Harbor Island Terminal
Seattle, Washington

		Field Parameters							Laboratory Parameters				
Sample ID	Sample Date	Temperature oC	Conductivity µS/cm	Dissolved Oxygen mg/L	pH	ORP mv	Turbidity NTU	Ferrous Iron mg/L	Nitrogen, Nitrate mg/L	Nitrogen, Nitrite mg/L	Sulfate mg/L	Iron Dissolved mg/L	Manganese Dissolved mg/L
MW-307	03/08/18	13.9	270	0.38	6.42	2.6	5.1	--	--	--	--	--	--
MW-307	06/14/18	13.8	205	0.45	6.55	-23	2.92	--	--	--	--	--	--
MW-307	09/04/18	18.44	235	0.99	6.11	-25.6	0	2	--	--	--	--	--
MW-307	12/19/18	16.6	343	2.15	7.69	28.7	17	1.4	< 0.0400	< 0.0400	82.6	7.61	0.669
MW-307	03/18/19	14.3	530	0.85	6.79	-62.3	20	--	--	--	--	--	--
MW-307	05/16/19	14.1	315	0.72	6.82	-90.6	4	--	--	--	--	--	--
MW-307	09/17/19	13.21	231	1.15	6.95	1.6	10	--	--	--	--	--	--
MW-307	12/10/19	15.65	541	1.37	6.88	-44.6	18	5.5	<0.0600	<0.0600	210	60.4	1.21
MW-307	04/27/20	13.6	677	0.6	6.72	-96.40	43	--	--	--	--	--	--
MW-307	06/29/20	14.8	505	0.34	6.82	115.90	40	--	--	--	--	--	--
MW-307	09/21/20	15.8	476	0.41	5.96	37.20	29	--	--	--	--	--	--
MW-307	12/16/20	13.16	694	0.32	7.50	130.10	0	2.40	<0.200	<0.400	8.26 J+	51.80	1.17
MW-307	04/12/21	11.2	276	1.91	6.47	-56.9	65	--	--	--	--	--	--
MW-307	06/14/21	6.85	352	0.51	7.35	156.3	11	--	--	--	--	--	--
MW-308	02/23/16	10.09	657	0.32	6.78	-36.3	9.17	--	--	--	--	--	--
MW-308	05/03/16	13.49	431	0.31	6.52	-42.7	7.44	--	--	--	--	--	--
MW-308	08/30/16	16.93	224	1.43	7	50	0	--	--	--	--	--	--
MW-308	12/13/16	10.31	577	0.51	6.75	-22.5	8.43	1.5	< 0.0400	< 0.0400	141	1.53	1.05
MW-308	03/14/17	10.27	587	0	6.99	86	0	--	--	--	--	--	--
MW-308	06/15/17	13.16	355	0.9	7.07	-53	7.5	--	--	--	--	--	--
MW-308	08/23/17	18.34	235	0	7.15	-32	0	--	--	--	--	--	--
MW-308	12/06/17	13.3	591	801.24	6.76	-73.2	3.97	1.7	< 0.0400	< 0.0400	21.4	1.24	1.49
MW-308	03/08/18	10.08	758	0.29	6.74	-26.7	6.79	--	--	--	--	--	--
MW-308	06/14/18	14.41	208	0.43	6.34	-13.5	4.1	--	--	--	--	--	--
MW-308	09/05/18	17.87	270	0.64	6.57	-45.2	0	2	--	--	--	--	--
MW-308	12/19/18	10.7	579	1.68	6.94	52.4	30	0	< 0.0400	< 0.0400	48.1	0.167 J	0.0912
MW-308	03/18/19	12.5	912	0.63	7.03	-61.3	15	--	--	--	--	--	--
MW-308	05/16/19	13.2	311	0.29	6.78	-107.3	10	--	--	--	--	--	--
MW-308	09/17/19	12.9	213	1.61	6.64	2.6	12	--	--	--	--	--	--
MW-308	12/09/19	14.07	386	1.89	6.32	-53.5	10	5.5	<0.0600 J	<0.0600 J	93.9	16.1	1.01
MW-308	04/27/20	13.3	825	0.77	6.43	-73.10	31	--	--	--	--	--	--
MW-308	06/29/20	15.3	726	0.44	7.05	108.80	24	--	--	--	--	--	--
MW-308	09/21/20	15.7	489	0.7	5.69	239.30	38	--	--	--	--	--	--
MW-308	12/16/20	11.78	556	0.39	7.62	123.70	11	2.60	<0.200	<0.400	3.79 J+	4.57	0.293
MW-308	04/12/21	10.4	323	2.15	6.72	142.2	38	--	--	--	--	--	--
MW-308	06/14/21	7.31	600	1.15	6.97	137.7	11	--	--	--	--	--	--
MW-309	05/04/16	14.84	208	2.8	6.5	-102.7	8.08	--	--	--	--	--	--
MW-309	12/12/16	11.39	250	0.67	6.46	-110.3	9.47	--	--	--	--	--	--
MW-309	06/13/17	15.23	147	0.21	6.49	-89.1	--	--	--	--	--	--	--
MW-309	12/05/17	14.56	215	1.1	6.72	-87.3	-20.7	--	--	--	--	--	--
MW-309	06/12/18	16.23	161	0.53	6.41	-42	7.48	--	--	--	--	--	--
MW-309	12/20/18	13.9	410	0.16	6.8	-112	21	--	--	--	--	--	--
MW-309	05/16/19	11.48	588	0.57	6.16	-109	62	--	--	--	--	--	--
MW-309	12/11/19	14.91	554	0.37	7.49	-70.1	37	--	--	--	--	--	--
MW-309	06/29/20	17.23	582	0.72	6.71	-12.60	77	--	--	--	--	--	--
MW-309	12/15/20	12.09	6.76	0.36	7.53	119.30	91	--	--	--	--	--	--
MW-309	06/15/21	11.34	322	0.59	6.52	23.4	68	--	--	--	--	--	--
MW-310	11/28/12	13.97	385	0	7.22	-88	80.6	--	--	--	< 0.50	--	--
MW-310	11/05/13	14.07	396	0.05	6.44	-95	0	2.0-2.5	--	--	< 0.50	0.982	0.528
MW-310	11/04/14	15.97	393	0.03	6.88	-101	0	1.5	< 0.10	< 0.10	< 0.50	11.5	0.615
MW-310	12/10/15	13.23	313	0.45	6.39	-78.5	0	2	< 0.10	< 0.10	< 0.50	34.8	0.554
MW-310	02/22/16	11.72	358	0.29	6.4	-98.5	3.83	--	--	--	--	--	--
MW-310	05/02/16	15.68	270	0.34	6.18	-67.1	8.56	--	--	--	--	--	--
MW-310	08/29/16	19.29	283	1.64	6.82	29	0	--	--	--	--	--	--
MW-310	12/15/16	11.6	258	1.26	6.49	-70	0	2	< 0.0400	< 0.0400	1.13	26.4	0.485
MW-310	03/13/17	11.24	317	0	6.53	-102	0	--	--	--	--	--	--
MW-310	06/15/17	15.8	229	0.33	6.21	-69.1	--	--	--	--	--	--	--
MW-310	08/22/17	23.88	365	0	6.96	-80	21.4	--	--	--	--	--	--
MW-310	12/05/17	13.45	603	1.39	4.01	101	3.3	1.5	< 0.0400	< 0.0400	44.2	1.55	2.66
MW-310	03/06/18	12.75	946	0.3	5.25	72.8	5.8	--	--	--	--	--	--
MW-310	06/13/18	17.54	464	0.2	5.84	-34.4	2.01	--	--	--	--	--	--
MW-310	09/06/18	20	293	0.67	5.45	74	2.13	3	--	--	--	--	--
MW-310	12/20/18	15.9	605	1.43	7.1	49.6	18	3.2	0.346	0.346	318	7.48	1.63
MW-310	03/19/19	14.4	804	1.25	7.21	-21.1	28	--	--	--	--	--	--
MW-310	05/16/19	12.36	695	1.09	4.51	87	72	--	--	--	--	--	--
MW-310	09/17/19	13.46	281	0.83	6.93	-23.9	16	--	--	--	--	--	--
MW-310	12/11/19	16.4	1551	12.52	6.92	155.8	28	5	<0.0600	<0.0600	999	53.1	7.24
MW-310	04/28/20	14	1460	0.54	6.71	64.40	18	--	--	--	--	--	--
MW-310	06/29/20	15.03	908	0.99	6.96	-21.80	47	--	--	--	--	--	--
MW-310	09/21/20	17.8	745	2.68	6.01	249.70	12	--	--	--	--	--	--

Table 5
Compliance Monitoring Natural Attenuation Parameters
Shell Harbor Island Terminal
Seattle, Washington

		Field Parameters							Laboratory Parameters				
Sample ID	Sample Date	Temperature oC	Conductivity µS/cm	Dissolved Oxygen mg/L	pH	ORP mv	Turbidity NTU	Ferrous Iron mg/L	Nitrogen, Nitrate mg/L	Nitrogen, Nitrite mg/L	Sulfate mg/L	Iron Dissolved mg/L	Manganese Dissolved mg/L
MW-310	12/15/20	11.86	1,020	0.33	7.57	116.90	64	1.60	<0.200	<0.400	167	64.90	1.48
MW-310	04/12/21	13.8	386	1.67	6.39	-28.8	92	--	--	--	--	--	--
MW-310	06/15/21	12.16	571	0.64	7.05	45.9	53	--	--	--	--	--	--
MW-311	11/05/14	16.57	606	0	7.42	-146	7	1.5	< 0.25	< 0.25	42.3	< 0.200	1.57
MW-311	12/10/15	14.15	482	0	6.35	-103	1.4	0.75	< 0.10	< 0.10	46.4	27.4	1.45
MW-311	02/22/16	13.84	583	0.26	6.45	-103.1	4.19	--	--	--	--	--	--
MW-311	05/04/16	14.42	564	1.02	6.49	-109.3	6.22	--	--	--	--	--	--
MW-311	08/29/16	22.58	384	1.01	6.89	22	7.66	--	--	--	--	--	--
MW-311	12/15/16	12.91	270	0.4	6.64	-107.3	7.38	3	< 0.0400	< 0.0400	23.7	22.7	0.801
MW-311	03/13/17	12.31	424	0.31	6.73	-98.5	0	--	--	--	--	--	--
MW-311	06/15/17	15.25	453	0.95	7.16	-87.5	--	--	--	--	--	--	--
MW-311	08/22/17	19.69	390	8.27	7.1	-72	0	--	--	--	--	--	--
MW-311	12/07/17	15.15	276	0.38	6.61	-33.2	0	3.75	< 0.0400 J	< 0.0400 J	28.4	8.42	0.703
MW-311	03/08/18	10.87	585	1.04	6.62	-17.2	0	--	--	--	--	--	--
MW-311	06/13/18	17.24	366	0.25	6.44	-45.7	0	--	--	--	--	--	--
MW-311	09/05/18	19.44	455	0.19	6.27	38.8	3.11	--	--	--	--	--	--
MW-311	12/20/18	14.6	522	1.15	7.33	-72.6	14	1.7	< 0.0400	< 0.0400	8.59	4.44	1.02
MW-311	03/18/19	14.8	530	0.32	6.71	-73.9	3	--	--	--	--	--	--
MW-311	05/16/19	14.3	519	0.1	6.82	-71.4	5	--	--	--	--	--	--
MW-311	09/17/19	13.98	338	0.62	6.61	-22.9	3	--	--	--	--	--	--
MW-311	12/12/19	15.24	674	0.8	7.22	-84.4	3	4.5	<0.0600	<0.0600	8.28	41.5	1.81
MW-311	04/27/20	14.2	792	0.72	7.60	-83.20	9	--	--	--	--	--	--
MW-311	06/29/20	15.2	957	0.44	6.97	121.90	15	--	--	--	--	--	--
MW-311	09/21/20	17.5	763	0.26	6,53	-51.20	16	--	--	--	--	--	--
MW-311	12/15/20	14.11	877	0.20	7.80	118.00	30	2.80	<0.200	<0.400	74.20	18.30	2.04
MW-311	04/13/21	13.0	338	2.30	6.75	-71.2	18	--	--	--	--	--	--
MW-312	11/05/14	17.07	459	0.58	6.78	-92	0	5.7	< 0.25	< 0.25	< 1.3	< 0.200	0.787
MW-312	12/10/15	13.74	434	0	6.3	-89	0	1.5	< 0.10	< 0.10	< 0.50	16.8	0.717
MW-312	02/23/16	13.69	578	0.22	6.63	-113.5	8.84	--	--	--	--	--	--
MW-312	05/04/16	14.77	539	1.19	6.63	-122.1	4.05	--	--	--	--	--	--
MW-312	08/29/16	24.31	480	1.01	6.89	28	0	--	--	--	--	--	--
MW-312	12/15/16	13.74	452	0.4	6.74	-121.8	9.47	4	< 0.0400	< 0.0400	< 0.500	20.4	0.924
MW-312	03/13/17	12.95	598	0	6.81	-126	0	--	--	--	--	--	--
MW-312	06/15/17	15.14	465	0.27	6.68	-106.8	--	--	--	--	--	--	--
MW-312	08/23/17	19.07	460	0	7.3	-81	0	--	--	--	--	--	--
MW-312	12/07/17	16.15	351	0.88	6.66	-107.7	1.17	2.6	< 0.0400	< 0.0400	488	3.95	0.664
MW-312	03/08/18	11.91	501	1.12	6.88	-6.3	0	--	--	--	--	--	--
MW-312	06/13/18	15.38	349	1.59	6.58	-106.1	0.92	--	--	--	--	--	--
MW-312	09/05/18	20.03	417	0.16	6.55	-72.6	3.75	6	--	--	--	--	--
MW-312	12/20/18	14.1	429	0.75	7.29	-45.3	7	2.5	< 0.0400	< 0.0400	0.164 J	4.35	0.715
MW-312	03/19/19	12.6	553	0.58	7.74	-41	3	--	--	--	--	--	--
MW-312	05/16/19	13.8	524	0.67	6.7	-101.9	2	--	--	--	--	--	--
MW-312	09/17/19	13.84	289	0.55	6.54	-31.9	2	--	--	--	--	--	--
MW-312	12/12/19	14.76	514	0.36	8.17	-86.4	5	2	<0.0600	<0.0600	0.63	22	0.957
MW-312	04/28/20	14.9	596	0.36	7.64	-85.90	4	--	--	--	--	--	--
MW-312	06/29/20	15.03	491	0.94	6.39	-25.70	12	--	--	--	--	--	--
MW-312	09/21/20	17.5	607	0.33	6.56	-35.30	20	--	--	--	--	--	--
MW-312	12/15/20	13.39	571	0.28	7.75	118.20	35	3.00	<0.200	<0.400	<1.20	6.93	1.08
MW-312	04/13/21	12.3	286	2.10	6.78	-84.4	17	--	--	--	--	--	--
MW-312	06/16/21	8.65	476	2.05	6.93	17.3	3	--	--	--	--	--	--
MW-313	08/29/16	21.96	489	1.07	6.88	23	0	--	--	--	--	--	--
MW-313	12/12/16	14.13	474	1.04	6.82	-34.9	9.06	--	--	--	--	--	--
MW-313	03/13/17	11.3	850	0.03	6.78	-23	3.5	--	--	--	--	--	--
MW-313	06/15/17	15.94	374	1.32	6.85	-24.6	--	--	--	--	--	--	--
MW-313	08/22/17	23.47	400	8.21	7.39	-62	0	--	--	--	--	--	--
MW-313	12/07/17	15.72	395	0.99	6.95	24.8	3.22	--	--	--	--	--	--
MW-313	03/07/18	11.05	615	0.89	6.96	36.8	8.42	--	--	--	--	--	--
MW-313	06/13/18	16.73	400	0.46	6.76	-44.1	3.02	--	--	--	--	--	--
MW-313	09/05/18	20.55	447	0.18	6.76	-29.7	1.34	--	--	--	--	--	--
MW-313	12/20/18	14.7	555	1.03	7.07	-52.9	43	--	--	--	--	--	--
MW-313	03/19/19	11.1	686	0.73	7.81	-30.4	6	--	--	--	--	--	--
MW-313	05/16/19	14.5	781	0.42	7.05	-39.1	10	--	--	--	--	--	--
MW-313	09/17/19	15.71	343	0.71	6.65	-25.3	7	--	--	--	--	--	--
MW-313	12/12/19	14.86	574	0.64	7.99	-55.7	5	--	--	--	--	--	--
MW-313	04/27/20	15.6	683	1.21	7.87	3.40	11	--	--	--	--	--	--
MW-313	06/29/20	16.33	486	1.81	6.73	-74.50	32	--	--	--	--	--	--
MW-313	09/21/20	18.7	605	0.55	6.84	21.90	13	--	--	--	--	--	--
MW-313	12/15/20	13.54	718	0.22	7.93	109.70	69	--	--	--	--	--	--
MW-313	04/13/21	12.9	250	2.02	6.85	-69.0	48	--	--	--	--	--	--
MW-313	06/16/21	9.60	441	0.99	7.38	30.4	38	--	--	--	--	--	--

Table 5
Compliance Monitoring Natural Attenuation Parameters
Shell Harbor Island Terminal
Seattle, Washington

		Field Parameters							Laboratory Parameters				
Sample ID	Sample Date	Temperature oC	Conductivity µS/cm	Dissolved Oxygen mg/L	pH	ORP mv	Turbidity NTU	Ferrous Iron mg/L	Nitrogen, Nitrate mg/L	Nitrogen, Nitrite mg/L	Sulfate mg/L	Iron Dissolved mg/L	Manganese Dissolved mg/L
MW-314	08/30/16	20.6	565	1.23	6.87	82	8.52	--	--	--	--	--	--
MW-314	12/14/16	13.42	471	0.52	6.73	-90.3	9.44	--	--	--	--	--	--
MW-314	03/13/17	12.34	626	0	6.73	-53	3.9	--	--	--	--	--	--
MW-314	06/14/17	18.28	447	0.46	7.07	-87.9	8.2	--	--	--	--	--	--
MW-314	08/23/17	18.35	453	0	7.33	-35	3.6	--	--	--	--	--	--
MW-314	12/06/17	14	413	0.68	6.56	-62.5	4.2	--	--	--	--	--	--
MW-314	03/07/18	11.95	583	0.9	6.84	23.5	8.42	--	--	--	--	--	--
MW-314	06/12/18	15.92	455	0.74	6.7	-110	2.91	--	--	--	--	--	--
MW-314	09/05/18	18.9	427	0.4	6.49	-40.8	4.24	--	--	--	--	--	--
MW-314	12/20/18	14.7	567	0.16	6.79	-87	29	--	--	--	--	--	--
MW-314	03/19/19	11.4	564	0.97	7.12	-32.4	48	--	--	--	--	--	--
MW-314	05/16/19	11.01	714	0.77	6.27	-61	79	--	--	--	--	--	--
MW-314	09/17/19	--	--	--	--	--	--	--	--	--	--	--	--
MW-314	12/10/19	13.97	725	1.55	5.67	-36	7	--	--	--	--	--	--
MW-314	04/28/20	13.2	749	0.44	7.55	-53.60	7	--	--	--	--	--	--
MW-314	06/29/20	18.27	639	1.02	6.53	-29.80	16	--	--	--	--	--	--
MW-314	09/22/20	16.5	758	0.49	6.28	22.60	16	--	--	--	--	--	--
MW-314	12/15/20	13.53	800	0.15	7.78	114.80	35	--	--	--	--	--	--
MW-314	04/13/21	10.7	272	2.02	6.54	-7.9	58	--	--	--	--	--	--
MW-315	08/29/16	20.56	558	1.04	6.86	2	8.44	--	--	--	--	--	--
MW-315	12/12/16	12.07	488	1.45	6.74	-102	0	--	--	--	--	--	--
MW-315	03/13/17	12.81	522	0	6.77	-117	0	--	--	--	--	--	--
MW-315	06/15/17	14.2	450	1.27	7.21	-99	--	--	--	--	--	--	--
MW-315	08/23/17	18.2	465	0	7.3	-68	0	--	--	--	--	--	--
MW-315	12/07/17	14.59	372	0.84	6.68	-28.7	0	--	--	--	--	--	--
MW-315	03/08/18	11.74	448	1.34	6.84	20.7	0	--	--	--	--	--	--
MW-315	06/13/18	15.32	325	1	6.58	-41.5	0	--	--	--	--	--	--
MW-315	09/05/18	18.81	378	0.12	6.39	-28.8	0.54	--	--	--	--	--	--
MW-315	12/20/18	14.5	460	0.32	7.15	-92	5	--	--	--	--	--	--
MW-315	03/18/19	14.7	497	0.81	6.74	-65.4	3	--	--	--	--	--	--
MW-315	05/16/19	13.6	508	0.2	6.83	-64.3	3	--	--	--	--	--	--
MW-315	09/17/19	13.01	311	0.58	6.37	-41.8	4	--	--	--	--	--	--
MW-315	12/12/19	14.4	587	0.79	7.98	-67.8	3	--	--	--	--	--	--
MW-315	04/27/20	14.8	591	0.53	7.67	-70	8	--	--	--	--	--	--
MW-315	06/29/20	14.3	584	0.64	6.92	189.80	9	--	--	--	--	--	--
MW-315	09/21/20	16.7	589	0.25	6.43	-26.20	14	--	--	--	--	--	--
MW-315	12/15/20	13.69	588	0.09	7.80	119.30	43	--	--	--	--	--	--
MW-315	04/13/21	13.1	289	2.23	6.65	-68.2	22	--	--	--	--	--	--
MW-315	06/16/21	8.01	501	1.37	6.79	0.9	3	--	--	--	--	--	--
SH-04	05/05/16	14.18	129	1.43	6.47	-107.3	8.73	--	--	--	--	--	--
SH-04	12/14/16	8.88	133	0.39	6.41	-48.2	7.21	--	--	--	--	--	--
SH-04	06/14/17	17.02	116	0.27	6.33	52.7	1.67	--	--	--	--	--	--
SH-04	12/05/17	15.32	134	0.71	6.72	-65.4	3.51	--	--	--	--	--	--
SH-04	06/13/18	16.5	140	0.47	6.12	-54.2	1.05	--	--	--	--	--	--
SH-04	12/18/18	12.3	180	1.05	7.31	-30.6	19	--	--	--	--	--	--
SH-04	05/16/19	9.31	226	0.91	5.71	-126	13	--	--	--	--	--	--
SH-04	12/11/19	14.43	391	0.63	7.51	-12.1	19	--	--	--	--	--	--
SH-04	06/29/20	14.4	219	0.49	6.46	215.30	8	--	--	--	--	--	--
SH-04	12/14/20	14.00	371	0.29	7.56	151.80	21	--	--	--	--	--	--
SH-04	06/15/21	8.75	190	0.94	7.00	57.0	6	--	--	--	--	--	--
TX-03A	01/13/04	14	480	1.4	6.39	-59	1.8	--	--	--	--	--	--
TX-03A	04/19/04	13.7	560	1.44	6.18	21	2.4	6	--	--	< 1	--	--
TX-03A	07/27/04	17.9	589	1.31	6.26	68	3	--	--	--	--	--	--
TX-03A	10/18/04	16.7	595	2.77	6.63	-100	42	--	--	--	--	--	--
TX-03A	01/24/05	14.6	563	1.79	5.11	5	43.1	--	--	--	--	--	--
TX-03A	04/19/05	13.8	552	0	6.47	-86	20	4	--	--	< 1	--	--
TX-03A	07/12/05	17.3	477	0.16	6.55	-121	55.6	--	--	--	--	--	--
TX-03A	10/31/07	--	--	--	--	--	--	--	--	--	--	--	--
TX-03A	11/20/08	15.8	821	0.49	6.87	-59	31.8	30.4	--	--	< 1	--	--
TX-03A	04/08/09	12.84	236	0	6.58	-145	43.1	--	--	--	--	--	--
TX-03A	11/17/09	16.3	50.6	1.29	6.39	-102	9.7	36	--	--	1.2	--	--
TX-03A	04/27/10	13.2	52.8	0.21	5.76	-153	9.5	--	--	--	--	--	--
TX-03A	10/25/10	15.5	42.5	1.39	6.68	-115	48	30	--	--	6.8	--	--
TX-03A	05/23/11	--	--	--	--	--	--	--	--	--	--	--	--
TX-03A	10/27/11	15.44	478	1.72	8.5	-100.9	--	20.3	--	--	< 0.50	--	--
TX-03A	03/01/12	12.29	564	0	6.71	-118	12.6	--	--	--	--	--	--
TX-03A	06/12/12	14	507	4	7.19	-103	4.5	--	--	--	--	--	--
TX-03A	09/25/12	17.83	514	0	6.48	-139	15.2	--	--	--	--	--	--
TX-03A	11/28/12	13.79	439	0	6.7	-104	--	--	--	--	< 0.50	--	--

Table 5
Compliance Monitoring Natural Attenuation Parameters
Shell Harbor Island Terminal
Seattle, Washington

		Field Parameters							Laboratory Parameters				
Sample ID	**Sample Date**	**Temperature** oC	**Conductivity** µS/cm	**Dissolved Oxygen** mg/L	**pH**	**ORP** mv	**Turbidity** NTU	**Ferrous Iron** mg/L	**Nitrogen, Nitrate** mg/L	**Nitrogen, Nitrite** mg/L	**Sulfate** mg/L	**Iron Dissolved** mg/L	**Manganese Dissolved** mg/L
TX-03A	11/05/13	10.98	528	0.06	6.57	-114	0	4	--	--	< 0.50	< 0.200	0.47
TX-03A	11/04/14	16.8	424	0.38	6.49	-39	5.83	6	< 0.10	< 0.10	< 0.50	6.18	0.523
TX-03A	12/10/15	15.11	456	0.25	6.51	-103.5	6.7	0.5	< 0.10	< 0.10	< 0.50	31.7	0.5
TX-03A	02/22/16	12.73	484	0.3	6.34	-109.1	7.22	--	--	--	--	--	--
TX-03A	05/02/16	15.06	418	0.22	6.36	-103.1	3.96	--	--	--	--	--	--
TX-03A	08/29/16	18.69	395	2.27	6.84	18	0	--	--	--	--	--	--
TX-03A	12/15/16	12.31	295	0.29	6.54	-109.9	8.97	2	< 0.0400	< 0.0400	< 0.500	37.8	0.517
TX-03A	03/13/17	11.74	287	0.23	6.74	-109.5	0	--	--	--	--	--	--
TX-03A	06/13/17	14.63	322	0.24	6.32	-98	--	--	--	--	--	--	--
TX-03A	08/22/17	18.97	317	0	7.07	-87	0	--	--	--	--	--	--
TX-03A	12/05/17	13.23	477	1.83	6.57	-104.1	2.77	1.5	< 0.0400	< 0.0400	219	25.1	0.784
TX-03A	03/27/18	12.27	465	0.65	6.19	71.9	3.37	--	--	--	--	--	--
TX-03A	06/13/18	15.4	407	4.12	6.07	-82.4	0.69	--	--	--	--	--	--
TX-03A	09/06/18	19.9	551	0.14	6.24	-76.8	1.26	--	--	--	--	--	--
TX-03A	12/20/18	16.5	369	0.1	6.67	-116	16	4.5	< 0.0400	< 0.0400	19	6.46	0.465
TX-03A	03/19/19	13.9	550	0.45	7.55	-67.1	8	--	--	--	--	--	--
TX-03A	05/16/19	12.64	538	0.51	6.11	-84	12	--	--	--	--	--	--
TX-03A	09/17/19	16.79	348	0.97	6.41	3.1	8	--	--	--	--	--	--
TX-03A	12/11/19	16.75	1514	1.86	8.64	-94	5	3	<0.0600 J	<0.0600 J	704	104	2.99
TX-03A	04/28/20	14.1	881	0.46	7.5	-65.10	12	--	--	--	--	--	--
TX-03A	06/29/20	16.13	577	1.24	6.36	-20.20	13	--	--	--	--	--	--
TX-03A	09/21/20	18.1	505	0.32	6.22	74	15	--	--	--	--	--	--
TX-03A	12/15/20	13.20	501	0.31	7.59	114.00	15	2.40	<0.200	<0.400	42.30	26.20	1.16
TX-03A	04/12/21	11.6	259	1.91	6.26	-6.2	40	--	--	--	--	--	--
TX-03A	06/16/21	9.02	416	1.35	7.60	39.3	3	--	--	--	--	--	--
TES-MW-1	12/13/16	8.37	99	7.01	5.86	89	0	--	--	--	--	--	--
TES-MW-1	12/06/17	10	69	6.02	5.67	39.9	5.7	--	--	--	--	--	--
TES-MW-1	12/19/18	11.2	172	1.3	6.68	-96	24	--	--	--	--	--	--
TES-MW-1	12/09/19	13.42	172	6.2	6.51	63.9	11	--	--	--	--	--	--
TES-MW-1	12/16/20	12.07	98	0.92	7.72	135.70	36	--	--	--	--	--	--
TX-04	12/12/16	10.65	353	0.82	7.02	-108	0	--	--	--	--	--	--
TX-04	12/05/17	12.06	167	0.68	7.01	-10.8	23.2	--	--	--	--	--	--
TX-04	12/18/18	14.5	233	1.26	7.69	-48.3	44	--	--	--	--	--	--
TX-04	12/12/19	14.81	295	0.44	8.46	-83.3	14	--	--	--	--	--	--
TX-04	12/14/20	14.54	334	0.17	7.81	136.90	7	--	--	--	--	--	--
TX-06A	12/12/16	11.95	212	0.55	6.55	-97.3	6.56	--	--	--	--	--	--
TX-06A	12/05/17	14.43	248	1.15	6.69	-63.6	5.63	--	--	--	--	--	--
TX-06A	12/20/18	14.5	257	0.17	6.76	-99	11	--	--	--	--	--	--
TX-06A	12/10/19	13.58	230	4.49	5.62	8.6	12	--	--	--	--	--	--
TX-06A	12/14/20	13.92	341	0.20	7.74	123.80	17	--	--	--	--	--	--

Note:

= Indicates data collected during this progress report period

°C = degrees Celsius

J = indicates a estimated value

J+ = The result is an estimated quantity, but the result may be biased high.

< = not detected at or above the indicated limit. Beginning June 12, 2012, limits shown are laboratory Method Detection Limits (MDLs). Prior to June 12, 2012, limits shown are laboratory Reporting Limits (RLs).

mg/L = milligrams per liter

mV = millivolts

NM = not measured

NTU = nephelometric turbidity unit

ORP = oxidation-reduction potential

µS/cm = microsiemens per centimeter

Table 6
BTEX, Petroleum Hydrocarbons, and Lead in Groundwater
Shell Harbor Island Terminal
Seattle, Washington

		Volatile Organic Compounds				Hydrocarbons			Lead
Sample ID	**Sample Date**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**TPHg**	**TPHd**	**TPHo**	**Total**
Model Toxics Control Act Method A Cleanup Level		0.071	200	29	NE	1	10	10	0.0058
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-05	01/15/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	0.37	< 0.5	--
MW-05	04/21/04	0.0015	< 0.001	0.0053	< 0.001	< 0.25	0.41	< 0.5	--
MW-05	07/28/04	0.0015	0.001	< 0.001	0.0017	< 0.25	< 0.25	< 0.5	--
MW-05	10/19/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	< 0.25	< 0.5	--
MW-05	01/25/05	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	< 0.25	< 0.5	--
MW-05	04/18/05	< 0.001	< 0.001	< 0.001	< 0.001	0.072	< 0.25	< 0.5	--
MW-05	07/12/05	< 0.001	< 0.001	< 0.001	< 0.001	0.25	< 0.25	< 0.5	--
MW-05	10/19/05	< 0.001	< 0.001	< 0.001	< 0.001	0.11	< 0.25	< 0.5	--
MW-05	01/26/06	< 0.0005	< 0.0005	< 0.0005	< 0.001	< 0.05	< 0.238	< 0.476	--
MW-05	11/19/08	< 0.005	< 0.005	< 0.005	< 0.005	< 0.05	< 0.25	< 0.5	--
MW-05	11/17/09	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.1	< 0.1	< 0.1	--
MW-05	10/29/10	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.1	0.14	< 0.1	--
MW-05	05/23/11	<.0003	<.0005	<.0003	<.0007	0.0744	--	--	--
MW-05	10/25/11	< 0.0010	< 0.0010	< 0.0010	< 0.0020	0.115	< 0.095	< 0.19	--
MW-05	11/29/12	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	0.0954	< 0.095	--
MW-05	11/07/13	< 0.00020	0.00083 J	< 0.00020	0.00087 J	0.345	< 0.049	< 0.097	--
MW-05	11/06/14	< 0.00020	< 0.00020	< 0.00020	< 0.00046	0.0507 J	0.137	< 0.094	--
MW-05	12/08/15	< 0.00020	< 0.0010	< 0.0010	< 0.0030	< 0.100	< 0.233	< 0.388	--
MW-05	05/04/16	< 0.0000930	< 0.000312	< 0.000198	< 0.000162	70.9 J	< 0.0398	< 0.0598	--
MW-05	12/14/16	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0178	< 0.0436	< 0.0654	--
MW-05	06/14/17	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	< 0.0860	< 0.129	--
MW-05	12/07/17	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	0.0968 J	0.105 J	< 0.121	--
MW-05	06/12/18	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	< 0.114	< 0.124	--
MW-05	12/19/18	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.230 J	0.119 J	--
MW-05	05/15/19	< 0.000200	< 0.000170	< 0.000190	< 0.000580	0.0589	< 0.108	< 0.118	--
MW-05	12/10/19	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.111 J	< 0.121	--
MW-05	06/30/20	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	< 0.113	< 0.124	--
MW-05	12/14/20	<0.00020	<0.0002	<0.00020	<0.0005	<0.250	0.163	<0.340	--
MW-05	06/15/21	<0.000400	<0.00100	<0.00100	<0.00300	<0.15	<0.24	<0.401	--
MW-101	01/16/04	< 0.001	< 0.001	< 0.001	0.0028	0.55	< 0.25	< 0.5	--
MW-101	04/20/04	0.0016	< 0.001	< 0.001	0.0014	0.67	< 0.25	< 0.5	--
MW-101	07/28/04	0.0012	< 0.001	< 0.001	0.0011	1	< 0.25	< 0.5	--
MW-101	10/18/04	0.0011	< 0.001	< 0.001	< 0.001	0.42	< 0.25	< 0.5	--
MW-101	01/26/05	< 0.001	< 0.001	< 0.001	0.0011	0.51	< 0.25	< 0.5	--
MW-101	04/19/05	0.0016	< 0.001	< 0.001	< 0.001	0.58	< 0.25	< 0.5	--
MW-101	07/13/05	< 0.001	< 0.001	< 0.001	< 0.001	0.31	< 0.25	< 0.5	--
MW-101	10/10/05	< 0.001	< 0.001	< 0.001	< 0.001	0.16	< 0.25	< 0.5	--
MW-101	01/27/06	< 0.0005	< 0.0005	< 0.0005	< 0.001	0.223	< 0.236	< 0.476	--
MW-101	11/18/08	< 0.005	< 0.005	< 0.005	< 0.005	0.1	< 0.25	< 0.5	--
MW-101	11/18/09	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.1	< 0.1	< 0.1	--
MW-101	10/26/10	< 0.0005	< 0.001	< 0.001	< 0.001	0.15	0.13	< 0.1	--
MW-101	10/27/11	< 0.0010	< 0.0010	< 0.0010	< 0.0020	0.0936	< 0.10	< 0.20	--
MW-101	11/26/12	< 0.00020	< 0.00020	< 0.00020	< 0.00046	0.188 J	0.0937 J	< 0.10	--
MW-101	11/06/13	< 0.00020	< 0.00020	< 0.00020	< 0.00046	0.118 J	< 0.0048	< 0.0095	--
MW-101	11/04/14	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	< 0.0048	< 0.0095	--
MW-101	12/09/15	< 0.00020	< 0.0010	< 0.0010	< 0.0030	< 0.100	0.129	< 0.201	--
MW-101	12/13/16	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.101	0.0983 J	< 0.0632	--

Table 6
BTEX, Petroleum Hydrocarbons, and Lead in Groundwater
Shell Harbor Island Terminal
Seattle, Washington

		Volatile Organic Compounds				Hydrocarbons			Lead
Sample ID	**Sample Date**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**TPHg**	**TPHd**	**TPHo**	**Total**
Model Toxics Control Act Method A Cleanup Level		0.071	200	29	NE	1	10	10	0.0058
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-101	12/06/17	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	0.237	0.246 J	< 0.127	--
MW-101	12/19/18	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	0.127 J	0.157 J	< 0.115	--
MW-101	12/09/19	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.155 J	< 0.125	--
MW-101	12/16/20	<0.00020 J	<0.0002 J	<0.00020 J	<0.0005 J	<0.250	<0.238	<0.397	--
MW-102	01/14/04	0.0021	< 0.001	< 0.001	< 0.001	< 0.25	< 0.25	< 0.5	--
MW-102	04/21/04	0.0036	< 0.001	< 0.001	< 0.001	< 0.25	< 0.25	< 0.5	--
MW-102	07/28/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	< 0.25	< 0.5	--
MW-102	10/18/04	0.0011	< 0.001	< 0.001	< 0.001	< 0.25	< 0.25	< 0.5	--
MW-102	01/25/05	0.0024	< 0.001	< 0.001	< 0.001	< 0.25	< 0.25	< 0.5	--
MW-102	04/18/05	0.0027	< 0.001	< 0.001	< 0.001	< 0.05	< 0.25	< 0.5	--
MW-102	07/13/05	< 0.001	< 0.001	< 0.001	< 0.001	0.077	< 0.25	< 0.5	--
MW-102	10/19/05	< 0.001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.25	< 0.5	--
MW-102	01/26/06	0.00498	< 0.0005	0.00174	0.00201	< 0.05	< 0.238	< 0.472	--
MW-102	11/19/08	< 0.005	< 0.005	< 0.005	< 0.005	< 0.05	< 0.25	< 0.5	--
MW-102	11/18/09	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.1	< 0.1	< 0.1	--
MW-102	10/28/10	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.1	< 0.1	< 0.1	--
MW-102	10/26/11	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.20	0.113	< 0.20	--
MW-102	11/28/12	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	< 0.050	< 0.10	--
MW-102	11/07/13	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	< 0.047	0.144 J	--
MW-102	11/04/14	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	0.0568 J	< 0.094	--
MW-102	12/08/15	< 0.0020	< 0.0010	< 0.0010	< 0.0030	< 0.100	< 0.233	< 0.388	--
MW-102	12/14/16	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0178	< 0.0413	< 0.0620	--
MW-102	12/05/17	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	< 0.0834	< 0.125	--
MW-102	12/05/17	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	< 0.0834	< 0.125	--
MW-102	12/19/18	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.774	0.197 J	--
MW-102	12/10/19	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.151 J	<0.123	--
MW-102	12/16/20	<0.00020 J	<0.0002 J	<0.00020 J	<0.0005 J	<0.250	<0.248	<0.413	--
MW-104	01/15/04	0.0019	< 0.001	0.15	0.1028	**2.7**	1.2	< 0.5	0.00555
MW-104	01/15/04	0.0012	< 0.001	0.1	0.0706	**2**	1.3	< 0.5	< 0.005
MW-104	04/21/04	0.0066	0.0025	0.35	0.0931	**4.3**	1.7	< 0.5	0.00575
MW-104	07/28/04	0.0018	< 0.001	0.048	0.017	**2.2**	0.87	< 0.5	< 0.005
MW-104	07/28/04	0.0017	< 0.001	0.049	0.019	**2.1**	1.3	< 0.5	< 0.005
MW-104	10/19/04	< 0.001	< 0.001	0.0021	0.0016	< 0.25	0.61	< 0.5	< 0.005
MW-104	01/24/05	< 0.001	< 0.001	0.0012	< 0.001	< 0.25	0.74	< 0.5	< 0.005
MW-104	04/18/05	< 0.001	< 0.001	0.057	0.0067	**1.4**	1.2	< 0.5	< 0.005
MW-104	07/12/05	0.0014	< 0.001	0.11	0.012	**1.8**	0.7	< 0.5	< 0.005
MW-104	10/19/05	< 0.001	< 0.001	0.024	0.0049	0.29	0.62	< 0.5	< 0.005
MW-104	01/25/06	0.00245	0.00129	0.33	0.0273	**2.07**	3.73	< 0.962	0.0077
MW-104	10/30/07	--	--	--	--	**1.25**	--	--	< 0.002
MW-104	05/20/08	--	--	--	--	**4**	2.1	< 0.5	--
MW-104	11/18/08	--	--	--	--	0.13	0.69	< 0.5	< 0.005
MW-104	04/08/09	--	--	--	--	**1.8**	1.6	< 0.1	0.00326
MW-104	11/17/09	< 0.0005	< 0.001	0.0016	< 0.001	0.21	0.17	< 0.1	0.00778
MW-104	04/27/10	--	--	--	--	**3.9**	2.5	0.27	0.00232
MW-104	10/26/10	--	--	--	--	0.23	0.23	< 0.1	--
MW-104	05/23/11	<0.0006	0.003	0.104	0.0018	**4.44**	0.448	<0.097	< 0.01
MW-104	10/25/11	--	--	--	--	**3.38**	0.413	< 0.20	< 0.01

Table 6
BTEX, Petroleum Hydrocarbons, and Lead in Groundwater
Shell Harbor Island Terminal
Seattle, Washington

		Volatile Organic Compounds				Hydrocarbons			Lead
Sample ID	**Sample Date**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**TPHg**	**TPHd**	**TPHo**	**Total**
Model Toxics Control Act Method A Cleanup Level		0.071	200	29	NE	1	10	10	0.0058
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-104	03/01/12	0.00079 J	0.0015	0.0467	0.0016 J	**3.69**	--	--	--
MW-104	06/13/12	--	--	--	--	**4.78**	0.423	< 0.10	< 0.01
MW-104	09/26/12	0.00066 J	0.0024	0.0509	0.0019 J	**4.54**	--	--	--
MW-104	11/29/12	0.00038 J	0.00037 J	0.0113	< 0.00046	0.592	0.315	< 0.098	--
MW-104	05/14/13	--	--	--	--	**5.07**	0.601	< 0.096	< 0.01
MW-104	11/07/13	--	--	--	--	**3.62**	0.666 J	< 0.095	< 0.01
MW-104	04/24/14	--	--	--	--	**5.68**	1.13	0.100 J	< 0.01
MW-104	11/05/14	--	--	--	--	0.441	0.527	0.221	< 0.01
MW-104	05/20/15	--	--	--	--	**2.82**	0.686	< 0.097	< 0.01
MW-104	12/09/15	--	--	--	--	< 0.100	0.408	< 0.398	< 0.00200
MW-104	05/05/16	--	--	--	--	**7.45**	2.85	0.144 J	0.00285
MW-104	12/14/16	--	--	--	--	**3.61**	2.22	0.155 J	0.000902 J
MW-104	06/14/17	--	--	--	--	**4.85**	2.9	0.159 J	0.00444
MW-104	12/07/17	< 0.0000993	< 0.000312	0.00411	< 0.000442	0.53	1.34	0.126 J	--
MW-104	06/12/18	--	--	--	--	**3.04**	1.86	< 0.122	0.00207 J
MW-104	12/19/18	--	--	--	--	0.552	2.25	0.967	0.00185 J
MW-104	05/15/19	--	--	--	--	**2.59**	1.64	0.316 J	0.00163 J
MW-104	12/10/19	--	--	--	--	0.956	0.713	< 0.122	< 0.000995
MW-104	06/30/20	--	--	--	--	**1.02**	0.914	0.117 J	0.00408
MW-104	12/14/20	<0.00020	<0.0002	0.00171	<0.0005	0.487	1.56	1.31	<0.004
MW-104	06/15/21	--	--	--	--	0.948	0.753	<0.395	<0.0600
MW-105	01/15/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	1.4	< 0.5	0.00647
MW-105	04/21/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	0.65	< 0.5	0.00793
MW-105	07/27/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	2.2	< 0.5	0.0128
MW-105	10/19/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	1.8	< 0.5	0.0311
MW-105	01/24/05	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	3	< 0.5	0.00824
MW-105	04/18/05	< 0.001	< 0.001	< 0.001	< 0.001	< 0.05	1.3	0.78	0.00615
MW-105	07/12/05	< 0.001	< 0.001	< 0.001	< 0.001	< 0.05	1.7	< 0.5	< 0.005
MW-105	10/18/05	< 0.001	< 0.001	< 0.001	< 0.001	< 0.05	1.7	0.66	< 0.005
MW-105	01/25/06	< 0.0005	< 0.0005	< 0.0005	< 0.001	< 0.05	3.95	< 0.962	0.00321
MW-105	11/19/08	< 0.005	< 0.005	< 0.005	< 0.005	< 0.05	--	--	< 0.005
MW-105	11/17/09	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.1	0.17	< 0.1	0.021
MW-105	10/26/10	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.1	--	--	--
MW-105	10/25/11	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.20	0.253	< 0.20	< 0.01
MW-105	11/26/12	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	0.291	< 0.098	< 0.01
MW-105	11/07/13	< 0.00020	< 0.00020	< 0.00020	< 0.000046	< 0.050	0.189	< 0.095	**0.0179**
MW-105	11/05/14	< 0.00020	< 0.00020	< 0.00020	< 0.000046	< 0.050	0.377	0.192	< 0.01
MW-105	12/08/15	< 0.00020	< 0.0010	< 0.0010	< 0.0030	< 0.100	0.406	0.408	**0.0152**
MW-105	12/14/16	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0178	0.85	0.377	**0.0116**
MW-105	12/06/17	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	0.146 J	0.624	0.176 J	< 0.00200
MW-105	12/19/18	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.672	0.737	0.0107
MW-105	12/11/19	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.388	0.382 J	**0.00754**
MW-105	12/14/20	<0.00020	<0.0002	<0.00020	<0.0005	<0.250	1.81	0.972	0.00421
MW-111	01/15/04	0.047	< 0.001	< 0.001	< 0.001	< 0.25	0.98	< 0.5	--
MW-111	04/21/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	0.48	< 0.5	--
MW-111	07/27/04	0.015	< 0.001	< 0.001	0.0012	< 0.25	0.45	< 0.5	--
MW-111	10/19/04	0.036	0.0012	< 0.001	0.0035	0.35	0.45	< 0.5	--

Table 6
BTEX, Petroleum Hydrocarbons, and Lead in Groundwater
Shell Harbor Island Terminal
Seattle, Washington

		Volatile Organic Compounds				Hydrocarbons			Lead
Sample ID	**Sample Date**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**TPHg**	**TPHd**	**TPHo**	**Total**
Model Toxics Control Act Method A Cleanup Level		0.071	200	29	NE	1	10	10	0.0058
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-111	01/25/05	**0.079**	< 0.005	< 0.005	< 0.005	0.58 J	0.63	< 0.5	--
MW-111	04/18/05	< 0.001	< 0.001	< 0.001	< 0.001	0.096	< 0.25	< 0.5	--
MW-111	07/12/05	0.0094	< 0.001	< 0.001	< 0.001	0.23	0.26	< 0.5	--
MW-111	10/18/05	0.017	< 0.001	< 0.001	0.0013	0.26	0.27	< 0.5	--
MW-111	01/25/06	**0.0956**	0.00189	0.000796	0.0037	0.683	0.998	< 0.481	--
MW-111	11/19/08	0.014	< 0.005	< 0.005	< 0.005	0.23	0.37	< 0.5	--
MW-111	11/17/09	0.041	< 0.001	< 0.001	< 0.001	0.24	0.11	< 0.1	--
MW-111	10/26/10	0.0043	< 0.001	< 0.001	< 0.001	< 0.1	0.12	< 0.1	--
MW-111	05/23/11	0.00064	<.0005	<.0003	<.0007	<0.050	--	--	--
MW-111	10/25/11	0.00094	< 0.0010	< 0.0010	< 0.0020	< 0.20	0.122	< 0.20	--
MW-111	11/29/12	0.0248	0.001	< 0.00020	0.0012 J	0.371	0.269	< 0.10	--
MW-111	11/07/13	**0.0845**	0.001	0.00023 J	0.00069 J	0.208	0.174	< 0.095	--
MW-111	11/05/14	**0.0574**	0.0012	0.00083 J	0.00047 J	0.232	0.167	0.118 J	--
MW-111	12/08/15	**0.386**	0.00649	0.00291	0.00333	0.944	0.335	<0.388	--
MW-111	05/04/16	**0.0719**	0.00157	0.00158	0.00125 J	0.294	0.141	< 0.0598	--
MW-111	12/14/16	**0.248**	0.00375 J	0.00243 J	<0.00442	0.739 J	0.343	0.0883 J	--
MW-111	06/14/17	0.00575	0.000480 J	< 0.000198	0.000466 J	0.0836 J	0.142 J	< 0.123	--
MW-111	12/06/17	**0.202**	0.00632	0.00214	0.00507	0.792	0.597	< 0.132	--
MW-111	06/12/18	0.0273	0.00181	0.000334 J	0.00238 J	0.227	0.210 J	< 0.123	--
MW-111	12/19/18	0.0592	0.00574	0.0012	0.00475	0.766	1.27	0.462	--
MW-111	05/15/19	0.00484	< 0.000170	< 0.000190	< 0.000580	0.149	0.195 J	< 0.117	--
MW-111	12/11/19	0.000270 J	< 0.000312	< 0.000198	< 0.000422	< 0.0704	0.255 J	< 0.125	--
MW-111	06/29/20	0.00124	0.000637 J	< 0.000198	0.000648 J	0.0898 J	< 0.110	< 0.120	--
MW-111	12/14/20	0.00163	0.000945	<0.00020	0.00118	<0.250	0.346	0.348	--
MW-111	06/15/21	0.000251 J	0.000593 J	<0.00100	0.00100 J	0.12 J	<0.233	<0.389	--
MW-112A	01/15/04	0.02	< 0.001	< 0.001	< 0.001	0.25	0.63	< 0.5	--
MW-112A	04/21/04	< 0.005	< 0.005	< 0.005	< 0.005	< 1.2	0.56	< 0.75	--
MW-112A	07/27/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	0.51	< 0.5	--
MW-112A	10/19/04	0.0013	< 0.001	< 0.001	< 0.001	< 0.25	0.68	< 0.5	--
MW-112A	01/24/05	0.003	0.0012	< 0.001	0.001	0.44	0.65	< 0.5	--
MW-112A	04/20/05	< 0.001	< 0.001	< 0.001	< 0.001	0.42	1.4	< 0.5	--
MW-112A	07/12/05	0.0029	< 0.001	< 0.001	< 0.001	0.28	0.48	< 0.5	--
MW-112A	10/18/05	< 0.001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.25	< 0.5	--
MW-112A	01/26/06	0.00211	< 0.0005	< 0.0005	< 0.001	0.236	0.602	< 0.485	--
MW-112A	11/19/08	< 0.005	< 0.005	< 0.005	< 0.005	0.3	1.3	< 0.5	--
MW-112A	11/18/09	0.00075	< 0.001	< 0.001	< 0.001	0.2	0.23	< 0.1	--
MW-112A	10/29/10	0.036	< 0.001	< 0.001	0.0015	0.77	0.6	< 0.1	--
MW-112A	05/24/11	0.00041	<0.0005	<0.0003	<0.0007	0.129	--	--	--
MW-112A	10/25/11	0.0055	< 0.0010	< 0.0010	< 0.0020	0.292	0.2	< 0.20	--
MW-112A	11/25/12	0.0058	0.00022 J	0.00037 J	< 0.00046	0.197 J	0.282	< 0.10	--
MW-112A	11/04/13	0.0238	0.00068 J	0.0376	0.0012 J	0.909	1.72	< 0.19	--
MW-112A	11/06/14	0.0156	0.0014	0.028	0.0016 J	0.76	1.43	0.295	--
MW-112A	12/08/15	0.0297	0.00368	0.00219	0.00406	**1.31**	5.89	< 0.389	--
MW-112A	05/05/16	0.0248	0.00131	0.0992	0.00688	**1.75**	7.96	0.132 J	--
MW-112A	12/12/16	0.0426	0.00666	0.0109	0.0103	**2.27**	2.77	0.180 J	--
MW-112A	06/15/17	0.0348	0.0037	0.02	0.00464 J	**1.46**	7.34	0.210 J	--
MW-112A	12/07/17	0.00111	0.00169	< 0.000198	0.00196 J	0.811	1.71	0.151 J	--
MW-112A	06/13/18	0.0289	0.00297	0.134	0.00748	**2.39**	**12.6**	0.150 J	--

Table 6
BTEX, Petroleum Hydrocarbons, and Lead in Groundwater
Shell Harbor Island Terminal
Seattle, Washington

		Volatile Organic Compounds				Hydrocarbons			Lead
Sample ID	**Sample Date**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**TPHg**	**TPHd**	**TPHo**	**Total**
Model Toxics Control Act Method A Cleanup Level		0.071	200	29	NE	1	10	10	0.0058
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-112A	12/20/18	0.00166	0.00171	0.000248 J	0.00196 J	0.728	2.93	0.789	--
MW-112A	05/16/19	0.0111	0.00173	0.0231	0.00208 J	**2**	2.37	0.222 J	--
MW-112A	12/12/19	0.0149	0.00296	0.00154	0.00385	**1.91**	**12.2**	0.419 J	--
MW-112A	06/30/20	0.00354 J	0.000903 J	0.0215 J	0.00155 J	**1.05**	3.62	0.204 J	--
MW-112A	12/14/20	0.00442	0.00253	0.00186	0.00375	**1.77 J+**	2.30	1.02	--
MW-112A	06/15/21	0.00207	0.000659 J	0.00702	0.00189 J	0.976	2.58	0.161 J	--
MW-201	01/14/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	< 0.25	< 0.5	--
MW-201	04/20/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	< 0.25	< 0.5	--
MW-201	01/26/05	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	0.33	< 0.5	--
MW-201	04/20/05	< 0.001	< 0.001	< 0.001	0.0021	< 0.25	< 0.25	< 0.5	--
MW-201	07/13/05	< 0.001	< 0.001	< 0.001	< 0.001	0.12	0.7	< 0.5	--
MW-201	10/20/05	< 0.001	< 0.001	< 0.001	< 0.001	0.22	4.6	2.3	--
MW-201	01/26/06	< 0.0005	< 0.0005	< 0.0005	< 0.001	< 0.050	0.342	< 0.476	--
MW-201	11/20/08	< 0.005	< 0.005	< 0.005	< 0.005	< 0.05	0.41	< 0.5	--
MW-201	11/19/09	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.1	< 0.1	< 0.1	--
MW-201	10/27/10	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.1	0.18	< 0.1	--
MW-201	10/26/11	< 0.0010	< 0.0010	< 0.0010	< 0.0020	0.0899	1.46	0.181	--
MW-201	11/27/12	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	0.122	< 0.10	--
MW-201	11/06/13	< 0.00020	< 0.00020	< 0.00020	< 0.00046	0.0964 J	0.52	< 0.094	--
MW-201	11/06/14	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	0.173	0.195	--
MW-201	12/10/15	< 0.00020	< 0.0010	< 0.0010	< 0.0030	0.121	0.323	< 0.389	--
MW-201	12/13/16	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0178	0.203	0.174 J	--
MW-201	12/06/17	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.159 J	< 0.132	--
MW-201	12/19/18	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.281	0.383 J	--
MW-201	12/16/20	<0.00020 J	<0.0002 J	<0.00020 J	<0.0005 J	<0.250	0.315	<0.368	--
MW-202	01/14/04	< 0.001	< 0.001	< 0.001	< 0.001	**2.5**	**15**	< 10	--
MW-202	04/20/04	0.014	0.0062	0.074	0.021	**4.4**	**28**	< 10	--
MW-202	01/26/05	< 0.005	< 0.005	< 0.005	< 0.005	**7.7**	5.2	< 5	--
MW-202	04/20/05	0.016	0.0022	0.036	0.0237	**3.7**	6.2	< 5	--
MW-202	07/13/05	0.016	0.0033	0.067	0.0191	**3.5**	6.2	< 1	--
MW-202	10/20/05	0.019	0.0021	0.058	0.0056	**3.3**	5.9	< 2.5	--
MW-202	01/26/06	0.0224	0.00598	0.041	0.0191	**5.79**	**11.2**	< 4.76	--
MW-202	04/25/06	0.00749	0.00378	0.062	0.0124	**6.78**	8.7	<4.85	--
MW-202	10/12/06	0.00936	0.00339	0.0828	0.00616	**5.65**	**11.5**	0.834	--
MW-202	04/26/07	0.00825	0.0048	0.063	<0.015	**4.78**	8.24	1.05	--
MW-202	10/30/07	--	--	--	--	**4.55**	**10.9**	< 1	--
MW-202	05/20/08	--	--	--	--	**2.3**	1.8	< 2.5	--
MW-202	11/20/08	--	--	--	--	**5**	2.2	< 0.5	--
MW-202	04/07/09	--	--	--	--	**4.8**	**14**	< 0.1	--
MW-202	11/19/09	--	--	--	--	**6.6**	**20**	< 0.5	--
MW-202	04/27/10	--	--	--	--	**3.3**	6.4	0.12	--
MW-202	10/27/10	0.0081	0.0031	0.066	0.0022	**6**	5.4	< 0.1	--
MW-202	05/23/11	--	--	--	--	**3.5**	1.84	< 0.097	--
MW-202	10/26/11	--	--	--	--	**4.3**	1.02	< 0.21	--
MW-202	03/02/12	0.0053	0.0019	0.0107	0.0013 J	**3.87**	--	--	--
MW-202	06/13/12	--	--	--	--	**3.31**	1.54	< 0.10	--
MW-202	09/26/12	0.0058	0.0029 J	0.0378	< 0.0018	**4.07**	--	--	--

Table 6
BTEX, Petroleum Hydrocarbons, and Lead in Groundwater
Shell Harbor Island Terminal
Seattle, Washington

		Volatile Organic Compounds				Hydrocarbons			Lead
Sample ID	**Sample Date**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**TPHg**	**TPHd**	**TPHo**	**Total**
Model Toxics Control Act Method A Cleanup Level		0.071	200	29	NE	1	10	10	0.0058
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-202	11/27/12	0.0113	0.0034	0.0274	0.0022	**6.07**	2.67	< 0.30	--
MW-202	05/15/13	--	--	--	--	**3.83**	1.62	< 0.096	--
MW-202	11/06/13	< 0.00020	0.0027	0.0335	0.0012 J	**4.68**	1.29	< 0.095	--
MW-202	04/22/14	--	--	--	--	**3.22**	2.18	< 0.28	--
MW-202	11/06/14	0.0083	0.0026	0.0154	0.0011	**5.1**	2.45	0.282 J	--
MW-202	05/19/15	--	--	--	--	**2.96**	0.842	< 0.096	--
MW-202	12/10/15	0.00419	0.00124	0.00277	< 0.0030	**5.67**	**27.2**	0.565	--
MW-202	05/03/16	--	--	--	--	**2.89**	2.29	0.111 J	--
MW-202	12/13/16	0.00606	0.0028	0.00901	0.00110 J	**2.92**	4.04	0.201	--
MW-202	06/14/17	--	--	--	--	**2.58**	3.68	0.134 J	--
MW-202	12/06/17	0.00102	< 0.000312	0.00144	0.00129 J	**3.02**	**25.8**	0.402 J	--
MW-202	06/14/18	--	--	--	--	**1.49**	4.1	0.166 J	--
MW-202	12/19/18	0.00178	0.000839 J	0.00444	0.00187 J	**4.74**	**48.3**	1.69	--
MW-202	05/16/19	--	--	--	--	**3.04**	**11.8**	0.718	--
MW-202	12/10/19	0.00179	0.00159	0.0128	0.00202 J	**4.29**	**24**	0.534	--
MW-202	06/29/20	--	--	--	--	**1.78**	**13.1**	0.412	--
MW-202	12/16/20	0.00132 J	0.000409 J-	0.00236 J	<0.0005 J	**3.47**	**36.60**	0.641	--
MW-202	06/14/21	--	--	--	--	**1.32**	4.52	0.327 J	--
MW-203	01/13/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	< 0.25	< 0.5	--
MW-203	04/19/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	0.26	< 0.5	--
MW-203	07/27/04	0.013	< 0.001	0.0069	< 0.001	**2.6**	0.45	< 0.5	--
MW-203	10/19/04	0.013	< 0.001	0.015	0.0025	**1.6**	< 0.25	< 0.5	--
MW-203	10/19/04	0.017	< 0.001	0.012	0.0018	**1.4**	< 0.25	< 0.5	--
MW-203	01/25/05	0.0063	< 0.001	0.011	0.0013	**1.6**	0.52	0.68	--
MW-203	04/19/05	0.0068	< 0.001	0.0018	< 0.001	0.63	< 0.25	0.55	--
MW-203	07/13/05	0.01	< 0.001	0.0077	< 0.001	0.89	< 0.25	< 0.5	--
MW-203	10/20/05	0.023	0.002	0.021	0.0026	**4.2**	2.1	1.1	--
MW-203	01/23/06	0.00186	< 0.0005	0.00182	0.00125	0.76	0.565	< 0.943	--
MW-203	04/26/16	0.00694	0.00076	0.00079	<0.003	**1.38**	0.66	0.625	--
MW-203	10/13/16	0.023	0.00553	0.00448	0.00652	**6.22**	7.39	1.34	--
MW-203	04/27/17	0.00502	<0.0005	0.00053	<0.003	**1.24**	0.507	0.515	--
MW-203	05/20/08	--	--	--	--	0.6	0.32	< 0.5	--
MW-203	11/18/08	--	--	--	--	0.17	< 0.25	< 0.5	--
MW-203	04/08/09	--	--	--	--	< 0.1	0.12	0.11	--
MW-203	11/17/09	--	--	--	--	< 0.1	< 0.1	< 0.1	--
MW-203	04/26/10	--	--	--	--	0.16	0.18	< 0.1	--
MW-203	10/25/10	--	--	--	--	0.92	0.36	< 0.1	--
MW-203	05/23/11	--	--	--	--	0.333	0.0854	0.314	--
MW-203	10/26/11	--	--	--	--	**1.38**	0.262	0.118	--
MW-203	06/13/12	--	--	--	--	0.459	0.134	0.332	--
MW-203	11/27/12	--	--	--	--	**1.05**	0.0943 J	< 0.10	--
MW-203	05/15/13	--	--	--	--	0.144 J	< 0.048	< 0.096	--
MW-203	11/06/13	--	--	--	--	0.68	< 0.047	< 0.094	--
MW-203	04/22/14	--	--	--	--	0.164	0.210 J	0.732 J	--
MW-203	11/06/14	--	--	--	--	0.102	0.0933 J	0.168 J	--
MW-203	05/19/15	--	--	--	--	0.285	0.166	0.170 J	--
MW-203	12/09/15	--	--	--	--	< 0.100	0.319	< 0.394	--
MW-203	05/04/16	--	--	--	--	0.575	0.161	0.133 J	--

Table 6
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		Volatile Organic Compounds				Hydrocarbons			Lead
Sample ID	**Sample Date**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**TPHg**	**TPHd**	**TPHo**	**Total**
Model Toxics Control Act Method A Cleanup Level		0.071	200	29	NE	1	10	10	0.0058
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-203	5/5/2016 DUF	--	--	--	--	0.534	0.151	0.134 J	--
MW-203	12/13/16	--	--	--	--	0.203	0.234	0.125 J	--
MW-203	06/14/17	--	--	--	--	0.0898 J	0.212 J	0.172 J	--
MW-203	12/08/17	--	--	--	--	**1.56**	0.323	< 0.122	--
MW-203	06/14/18	--	--	--	--	0.156	0.152 J	0.167 J	--
MW-203	12/20/18	--	--	--	--	0.107 J	0.806	0.944	--
MW-203	05/16/19	--	--	--	--	0.471	0.185 J	0.159 J	--
MW-203	12/10/19	--	--	--	--	**1.74**	0.495	0.189 J	--
MW-203	06/29/20	--	--	--	--	0.256	0.209 J	0.181 J	--
MW-203	12/15/20	--	--	--	--	0.282	<0.229	0.930	--
MW-203	06/15/21	--	--	--	--	<0.15	<0.246	0.267 J	--
MW-204	07/27/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	1.6	< 0.5	--
MW-204	01/26/05	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	6.2	< 1	--
MW-204	04/18/05	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	1.5	0.79	--
MW-204	07/13/05	< 0.001	< 0.001	< 0.001	< 0.001	0.076	1.1	0.59	--
MW-204	10/19/05	< 0.001	< 0.001	< 0.001	< 0.001	0.082	0.45	< 0.5	--
MW-204	01/26/06	< 0.0005	< 0.0005	< 0.0005	< 0.001	< 0.05	5.53	< 0.952	--
MW-204	04/25/06	<0.0005	<0.0005	<0.0005	<0.003	0.0755	2.51	1.11	--
MW-204	10/12/06	<0.0005	<0.0005	<0.0005	<0.003	0.0634	0.896	0.519	--
MW-204	04/26/07	<0.0005	<0.0005	<0.0005	<0.003	0.0855	1.81	0.749	--
MW-204	10/30/07	--	--	--	--	< 0.05	--	--	--
MW-204	11/20/08	< 0.005	< 0.005	< 0.005	< 0.005	0.13	1	< 0.5	--
MW-204	11/19/09	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.1	3.5	0.16	--
MW-204	10/27/10	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.1	0.29	< 0.1	--
MW-204	10/27/11	< 0.0010	< 0.0010	< 0.0010	< 0.0020	0.066	0.599	< 0.20	--
MW-204	11/27/12	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	0.975	< 0.10	--
MW-204	11/06/13	0.00057 J	< 0.00020	< 0.00020	< 0.00046	0.0762 J	0.28	0.0976 J	--
MW-204	11/06/14	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	0.505	0.321	--
MW-204	12/10/15	< 0.00020	< 0.0010	< 0.0010	< 0.0030	< 0.100	0.579	< 0.388	--
MW-204	12/13/16	0.000187 J	< 0.000312	0.000555 J	< 0.000442	< 0.0178	0.507	0.215	--
MW-204	12/06/17	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.786	0.232 J	--
MW-204	12/19/18	0.000204 J	< 0.000312	< 0.000198	< 0.000442	0.138 J	0.599	0.729	--
MW-204	12/10/19	0.00105	< 0.000312	< 0.000198	< 0.000442	<0.0704	0.238 J	0.128 J	--
MW-204	12/16/20	0.0003 J	0.000245 J-	<0.00020 J	<0.0005 J	<0.250	0.303	0.405	--
MW-206A	01/22/04	< 0.001	< 0.001	< 0.001	0.004	< 0.25	< 0.25	< 0.5	--
MW-206A	04/19/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	< 0.25	< 0.5	--
MW-206A	07/27/04	< 0.005	< 0.005	< 0.005	< 0.005	< 1.2	1.8	0.78	--
MW-206A	10/19/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	2	1.1	--
MW-206A	01/25/05	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	2.1	2.2	--
MW-206A	04/18/05	< 0.001	< 0.001	< 0.001	< 0.001	< 0.05	1.3	1.5	--
MW-206A	07/13/05	< 0.001	< 0.001	< 0.001	< 0.001	< 0.05	1.2	1.9	--
MW-206A	10/20/05	< 0.001	< 0.001	< 0.001	< 0.001	< 0.05	2.1	7.9	--
MW-206A	01/26/06	< 0.0005	< 0.0005	< 0.0005	< 0.001	< 0.05	4.41	2.54	--
MW-206A	11/20/08	< 0.005	< 0.005	< 0.005	< 0.005	< 0.25	2.1	1.7	--
MW-206A	11/19/09	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.1	0.1	< 0.1	--
MW-206A	10/25/10	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.1	< 0.1	0.18	--
MW-206A	10/26/11	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.20	0.141	< 0.20	--

Table 6
BTEX, Petroleum Hydrocarbons, and Lead in Groundwater
Shell Harbor Island Terminal
Seattle, Washington

		Volatile Organic Compounds				Hydrocarbons			Lead
Sample ID	**Sample Date**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**TPHg**	**TPHd**	**TPHo**	**Total**
Model Toxics Control Act Method A Cleanup Level		0.071	200	29	NE	1	10	10	0.0058
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-206A	11/27/12	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	0.116	0.111 J	--
MW-206A	11/06/13	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	< 0.047	< 0.094	--
MW-206A	11/06/14	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	0.236	0.392	--
MW-206A	12/08/15	< 0.00020	< 0.0010	< 0.0010	< 0.0030	< 0.100	< 0.242	< 0.403	--
MW-206A	12/12/16	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0178	0.18	0.135 J	--
MW-206A	12/08/17	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.258	0.239 J	--
MW-206A	12/20/18	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	2.25	3.96	--
MW-206A	12/10/19	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.591	0.396	--
MW-206A	12/16/20	<0.00020	<0.0002	<0.00020	<0.0005	<0.250	<0.236	<0.394	--
MW-213	01/14/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	< 0.25	< 0.5	--
MW-213	04/20/04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.25	< 0.25	< 0.5	--
MW-213	07/28/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	< 0.25	< 0.5	--
MW-213	10/19/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	< 0.25	< 0.5	--
MW-213	01/25/05	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	< 0.25	< 0.5	--
MW-213	04/19/05	< 0.001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.25	< 0.5	--
MW-213	07/12/05	< 0.001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.25	< 0.5	--
MW-213	10/20/05	< 0.001	< 0.001	< 0.001	< 0.001	< 0.05	0.34	< 0.5	--
MW-213	01/26/06	< 0.0005	< 0.0005	< 0.0005	< 0.001	< 0.05	0.653	< 0.495	--
MW-213	10/30/07	< 0.001	< 0.001	< 0.001	< 0.003	--	--	--	--
MW-213	11/19/08	< 0.005	< 0.005	< 0.005	< 0.005	< 0.25	< 0.25	< 0.5	--
MW-213	04/07/09	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.1	< 0.1	< 0.1	--
MW-213	11/18/09	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.1	< 0.1	< 0.1	--
MW-213	04/26/10	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.1	< 0.1	< 0.1	--
MW-213	10/28/10	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.1	< 0.1	< 0.1	--
MW-213	05/24/11	<0.0003	<0.0005	<0.0003	<0.0007	< 0.050	< 0.049	< 0.098	--
MW-213	10/25/11	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.20	< 0.11	< 0.21	--
MW-213	06/12/12	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	< 0.050	< 0.10	--
MW-213	11/29/12	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	< 0.050	< 0.10	--
MW-213	05/15/13	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	< 0.048	< 0.096	--
MW-213	11/05/13	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	0.0625 J	< 0.095	--
MW-213	04/23/14	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	0.0586	< 0.094	--
MW-213	11/05/14	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	0.0782 J	< 0.094	--
MW-213	05/19/15	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	0.102	< 0.10	--
MW-213	12/09/15	< 0.00020	<0.0010	<0.0010	<0.0030	<0.100	< 0.235	< 0.392	--
MW-213	05/03/16	< 0.0000930	< 0.000312	< 0.000198	< 0.000162	< 0.100	0.0415 J	< 0.0593	--
MW-213	12/13/16	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.100	0.115 J	< 0.0622	--
MW-213	06/14/17	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.128 J	< 0.123	--
MW-213	12/07/17	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.158 J	< 0.121	--
MW-213	06/12/18	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	< 0.111	< 0.121	--
MW-213	12/19/18	< 0.0000930	0.000320 J	< 0.000198	< 0.000442	0.0717 J	0.434	0.411	--
MW-213	05/16/19	< 0.000200	0.000349 J	< 0.000190	< 0.000580	0.0912	0.153 J	< 0.123	--
MW-213	12/11/19	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.147 J	< 0.117	--
MW-213	06/29/20	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	--	--	--
MW-213	12/16/20	<0.00020 J	<0.0002 J	<0.00020 J	<0.0005 J	<0.250	<0.233	<0.388	--
MW-213	06/14/21	<0.000400	<0.00100	<0.00100	<0.00300	<0.15	<0.235	<0.392	--
MW-214	01/14/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	< 0.25	< 0.5	--
MW-214	04/20/04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.25	< 0.25	< 0.5	--

Table 6
BTEX, Petroleum Hydrocarbons, and Lead in Groundwater
Shell Harbor Island Terminal
Seattle, Washington

		Volatile Organic Compounds				Hydrocarbons			Lead
Sample ID	**Sample Date**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**TPHg**	**TPHd**	**TPHo**	**Total**
Model Toxics Control Act Method A Cleanup Level		0.071	200	29	NE	1	10	10	0.0058
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-214	07/28/04	< 0.005	< 0.005	< 0.005	< 0.005	< 1.2	< 0.25	< 0.5	--
MW-214	10/19/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	< 0.25	< 0.5	--
MW-214	01/25/05	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	0.36	< 0.5	--
MW-214	04/19/05	< 0.001	< 0.001	< 0.001	< 0.001	< 0.05	0.3	< 0.5	--
MW-214	07/12/05	< 0.001	< 0.001	< 0.001	< 0.001	< 0.05	0.29	< 0.5	--
MW-214	10/20/05	< 0.001	< 0.001	< 0.001	< 0.001	< 0.05	0.33	< 0.5	--
MW-214	01/26/06	< 0.0005	< 0.0005	< 0.0005	< 0.001	< 0.05	0.91	< 0.476	--
MW-214	10/30/07	< 0.001	< 0.001	< 0.001	< 0.003	--	--	--	--
MW-214	05/05/08	< 0.005	< 0.005	< 0.005	< 0.005	< 0.25	0.91	< 0.5	--
MW-214	07/10/08	--	--	--	--	--	< 0.5	< 1	--
MW-214	11/19/08	< 0.005	< 0.005	< 0.005	< 0.005	< 0.25	0.8	< 0.5	--
MW-214	04/07/09	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.1	0.17	< 0.1	--
MW-214	11/18/09	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.1	0.11	< 0.1	--
MW-214	04/26/10	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.1	0.19	< 0.1	--
MW-214	10/28/10	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.1	< 0.1	< 0.1	--
MW-214	05/24/11	<0.0003	<0.0005	<0.0003	<0.0007	<0.050	0.127	<0.097	--
MW-214	10/25/11	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.20	0.126	< 0.21	--
MW-214	06/12/12	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	< 0.050	0.135 J	--
MW-214	11/29/12	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	< 0.048	< 0.095	--
MW-214	05/15/13	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	0.0857 J	< 0.096	--
MW-214	11/05/13	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	0.0552 J	< 0.094	--
MW-214	04/23/14	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	0.118	< 0.094	--
MW-214	11/05/14	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	0.168	0.103	--
MW-214	05/19/15	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	0.106	< 0.094	--
MW-214	12/09/15	< 0.00020	< 0.0010	< 0.0010	< 0.0030	< 0.100	0.248	< 0.392	--
MW-214	05/03/16	< 0.0000930	< 0.000312	< 0.000198	< 0.000162	< 0.100	0.123	< 0.0594	--
MW-214	12/14/16	< 0.0000930	< 0.000312	0.000275 J	< 0.000442	0.0226 J	0.13	< 0.0600	--
MW-214	06/14/17	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.214 J	< 0.121	--
MW-214	12/07/17	< 0.0000930 J	< 0.000312 J	< 0.000198 J	< 0.000442 J	< 0.0704 J	0.305	< 0.128	--
MW-214	06/12/18	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.170 J	< 0.120	--
MW-214	12/19/18	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.547	0.415	--
MW-214	05/16/19	< 0.000200	0.000303 J	< 0.000190	< 0.000580	< 0.0550	0.213 J	< 0.122	--
MW-214	12/11/19	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.239 J	< 0.121	--
MW-214	06/29/20	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	--	--	--
MW-214	12/16/20	<0.00020 J	<0.0002 J	<0.00020 J	<0.0005 J	<0.250	<0.218	<0.363	--
MW-214	06/14/21	<0.000400	<0.00100	<0.00100	<0.00300	<0.15	0.122 J	<0.395	--
MW-301	03/02/12	**0.24**	0.0138	0.0099	0.0212	**3.37**	--	--	--
MW-301	09/25/12	**0.333**	0.0131	0.0186	0.0192	**4.02**	--	--	--
MW-301	11/28/12	**0.241**	0.0099	0.0125	0.0106	**2.76**	--	--	--
MW-301	02/21/13	**0.659**	0.0175	0.0264	0.0173 J	**3.98**	0.315	< 0.10	--
MW-301	05/15/13	**0.357**	0.0122	0.0231	0.0145	**3.63**	--	--	--
MW-301	11/04/13	**0.16**	0.0097	0.0164	0.0109	**2.29**	--	--	--
MW-301	04/23/14	**0.252**	0.0072	0.0135	0.0075	**3.57**	--	--	--
MW-301	07/24/14	**0.314**	0.008	0.0143	0.0096	**3.7**	0.361	< 0.094	--
MW-301	11/03/14	**0.108**	0.0043 J	0.0046 J	0.0051 J	**1.76**	--	--	--
MW-301	03/09/15	**0.222**	0.0067	0.0065	0.0062 J	**2.27**	--	--	--
MW-301	05/21/15	**0.194**	0.0069	0.01	0.0060 J	**2.24**	--	--	--
MW-301	07/28/15	**0.116**	0.0036	0.0037	0.0019 J	**2.09**	--	--	--

Table 6
BTEX, Petroleum Hydrocarbons, and Lead in Groundwater
Shell Harbor Island Terminal
Seattle, Washington

		Volatile Organic Compounds				Hydrocarbons			Lead
Sample ID	**Sample Date**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**TPHg**	**TPHd**	**TPHo**	**Total**
Model Toxics Control Act Method A Cleanup Level		0.071	200	29	NE	1	10	10	0.0058
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-301	12/10/15	0.0437	0.00351	0.00104	0.00551	**1.34**	--	--	--
MW-301	02/22/16	**0.28**	0.00881	0.0104	0.00746	**3.65**	--	--	--
MW-301	05/02/16	**0.17**	0.00834	0.0138	0.00663	**3.32**	--	--	--
MW-301	08/29/16	0.0647	0.00551	0.0103	0.0064	**2.9**	--	--	--
MW-301	12/12/16	**0.251**	0.00745	0.0173	0.00633	**3**	--	--	--
MW-301	03/13/17	**0.206**	0.00771	0.0117	0.00585	**3.02**	--	--	--
MW-301	06/13/17	**0.111**	0.00659 J	0.0128	0.00713 J	**2.5**	--	--	--
MW-301	08/22/17	0.0652	0.00472	0.0108	0.00366	**1.93**	--	--	--
MW-301	12/05/17	0.0222	0.00228	0.00217	0.00272 J	**1.67**	--	--	--
MW-301	03/06/18	**0.207**	0.00303	0.00542	0.00248 J	**1.32**	--	--	--
MW-301	06/13/18	0.0132	0.00108	0.00239	0.000821 J	**1.27**	--	--	--
MW-301	09/06/18	0.00368	0.000585 J	0.000352 J	0.000489 J	**1.45**	--	--	--
MW-301	12/20/18	0.0175	0.000688 J	0.00259	0.000536 J	0.445	--	--	--
MW-301	03/19/19	**0.0999**	0.00182	0.00923	0.00182 J	**1.34**	--	--	--
MW-301	05/16/19	0.00684	< 0.000170	0.000357 J	< 0.000580	0.483	--	--	--
MW-301	09/19/19	0.0000937 J	< 0.000312	< 0.000198	< 0.000442	< 0.0704	--	--	--
MW-301	12/11/19	0.000093	< 0.000312	< 0.000198	< 0.000442	< 0.0704	--	--	--
MW-301	04/28/20	0.0399	0.00115	0.00676	0.000676 J	0.368	--	--	--
MW-301	06/29/20	0.0163	< 0.000312	0.00205	< 0.000442	0.114 J	--	--	--
MW-301	09/21/20	0.00732	<0.001	0.00127	0.000442 J	0.167	--	--	--
MW-301	12/15/20	0.0416	0.00146	0.0109	0.00117	0.441	--	--	--
MW-301	04/13/21	0.0238	0.00105	0.00767	0.000879	**1.69**	--	--	--
MW-301	06/15/21	0.0168	0.00103	0.00822	0.00101 J	0.439	--	--	--
MW-302	03/01/12	**0.831**	0.0275	0.213	0.248	**5.33**	--	--	--
MW-302	06/12/12	**0.574**	0.0156	0.0183	0.0244	**4.18**	--	--	--
MW-302	06/28/12	**1.23**	0.0437	0.403	0.289	**5.65**	--	--	--
MW-302	09/25/12	**0.657**	0.0247	0.18	0.106	**4.07**	--	--	--
MW-302	11/25/12	**0.449**	0.0152	0.191	0.177	**4.58**	--	--	--
MW-302	02/22/13	**0.393**	0.0149	0.124	0.116	**4.15**	0.435	< 0.10	--
MW-302	05/14/13	**0.873**	0.0231	0.236	0.145	**4.19**	--	--	--
MW-302	09/05/13	**0.783**	0.0189	0.162	0.0746	**3.7**	--	--	--
MW-302	11/05/13	**0.607**	0.0112	0.0977	0.0529	**2.69**	--	--	--
MW-302	01/16/14	**0.404**	0.0161	0.0843	0.0504	**3.54**	--	--	--
MW-302	04/23/14	**0.98**	0.0269	0.276	0.232	**5.86**	--	--	--
MW-302	07/24/14	**0.656**	0.0206	0.178	0.131	**4.66**	0.363	< 0.094	--
MW-302	11/03/14	**0.506**	0.0159	0.221	0.176	**4.06**	0.361	< 0.094	--
MW-302	05/21/15	**0.454**	0.0161	0.174	0.15	**3.44**	--	--	< 0.010
MW-302	12/10/15	**0.372**	0.00853	0.0139	0.0176	**2.16**	1	< 0.391	--
MW-302	05/04/16	**0.595**	0.0145	0.27	0.153	**3.75**	--	--	--
MW-302	12/15/16	**0.759**	0.0263	0.453	0.117	**5.08**	1.73	< 0.0630	--
MW-302	06/13/17	**0.487**	0.0146 J	0.215	0.0524 J	**1.98**	--	--	--
MW-302	08/23/17	0.047	0.00305	0.00823	0.00647	0.709	--	--	--
MW-302	12/05/17	0.0414	0.00196	0.00271	0.003	**1.79**	9.96	0.209 J	--
MW-302	03/07/18	0.0707	0.00314	0.043	0.00763	**1.61**	--	--	--
MW-302	06/13/18	0.0591	0.00363	0.0481	0.0227	1	--	--	--
MW-302	09/06/18	0.0312	0.00138	0.0242	0.00479	0.526	--	--	--
MW-302	12/20/18	0.00121	< 0.000312	0.00431	0.000625 J	0.232	2.5	0.386	--
MW-302	03/19/19	0.0133	0.000823 J	0.0122	0.00433	**1.84 J**	--	--	--

Table 6
BTEX, Petroleum Hydrocarbons, and Lead in Groundwater
Shell Harbor Island Terminal
Seattle, Washington

		Volatile Organic Compounds				Hydrocarbons			Lead
Sample ID	**Sample Date**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**TPHg**	**TPHd**	**TPHo**	**Total**
Model Toxics Control Act Method A Cleanup Level		0.071	200	29	NE	1	10	10	0.0058
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-302	05/16/19	0.0035	0.000363 J	0.00678	0.00177 J	0.578	--	--	--
MW-302	09/19/19	0.0174	0.00115	0.0217	0.00428	0.662	--	--	--
MW-302	12/11/19	0.0132	0.000741 J	0.00976	0.00222 J	0.297	3.69	0.179 J	--
MW-302	04/28/20	0.027	0.00181	0.0397	0.00698	**1.23**	--	--	--
MW-302	06/30/20	0.0219	0.00152	0.0368	0.00590 J	**1.23**	--	--	--
MW-302	09/21/20	0.00148	<0.001	0.00888	0.00108 J	0.205	--	--	--
MW-302	12/15/20	0.0404 J	0.00282 J-	0.0684 J	0.0117 J-	**1.84**	**10.80**	0.529	--
MW-302	04/13/21	0.00616 J-	0.000526 J	0.0178 J-	0.00419 J-	**1.85**	--	--	--
MW-302	06/15/21	0.0203	0.00193	0.0614	0.0101	0.886	--	--	--
MW-303	03/02/12	**3.13**	0.0759	0.76	0.232	**12.3**	--	--	--
MW-303	06/13/12	**2.9**	0.0957	0.884	0.268	**12.5**	--	--	--
MW-303	09/25/12	**1.83**	0.0635	0.474	0.146	**9.14**	--	--	--
MW-303	11/28/12	**1.94**	0.0873	1.18	0.319	**12.6**	--	--	--
MW-303	02/21/13	**2.34**	0.0955	1.29	0.338	**12.8**	0.674	< 0.10	--
MW-303	05/15/13	**1.9**	0.0864	0.983	0.272	**10.6**	--	--	--
MW-303	11/04/13	**0.884**	0.0278	0.219	0.0544	**6.11**	--	--	--
MW-303	04/23/14	**1.58**	0.071	1.114	0.224	**11.8**	--	--	--
MW-303	07/24/14	**0.808**	0.0471	0.653	0.161	**9.76**	0.622	< 0.094	--
MW-303	11/04/14	**1.42**	0.0618	0.924	0.18	**11.5**	1	1.15	--
MW-303	05/20/15	**0.669**	0.0432	0.713	0.157	**7.9**	--	--	--
MW-303	12/08/15	**1.19**	0.071	1.33	< 0.300	**7.6**	2.45	< 0.398	--
MW-303	05/04/16	**0.704**	0.0625	1.82	0.287	**8.6**	--	--	--
MW-303	12/12/16	**0.831**	0.0482	1.45	0.176	**8.31**	2.52	< 0.0602	--
MW-303	06/13/17	**0.353**	0.0408	1.54	0.19	**5.69**	--	--	--
MW-303	12/05/17	**0.104**	0.0116 J	0.3	0.0400 J	**4.29**	7.49	< 0.125	--
MW-303	03/06/18	0.039	0.0154	0.147 J	0.0352	**2.5**	--	--	--
MW-303	06/13/18	**0.157**	0.0151 J	0.39	0.0317 J	**2.94 J**	--	--	--
MW-303	09/06/18	0.000729	< 0.000312	0.00117	< 0.000442	< 0.0704	--	--	--
MW-303	12/20/18	0.000581	0.000342 J	0.00136	0.00088 J	0.382	8.25	0.505	--
MW-303	03/19/19	0.0346	0.00611	0.194	0.0111	**2.48**	--	--	--
MW-303	05/16/19	0.0173	0.0017	0.0869	0.00541	**1.33**	--	--	--
MW-303	09/19/19	0.00776	0.00207	0.0717	0.00326	0.785	--	--	--
MW-303	12/11/19	0.00114	0.000373 J	0.0404	0.00134 J	0.371	2.73	0.281 J	--
MW-303	04/28/20	0.00258	< 0.000312	0.00511	0.00705	**2.46**	--	--	--
MW-303	06/30/20	0.0152	0.000897 J	0.0386	0.00696	**2.64**	--	--	--
MW-303	09/22/20	0.02	0.00254	0.153	0.00623	**1.86**	--	--	--
MW-303	12/15/20	0.0150 J-	0.00412 J-	0.119 J-	0.0146 J-	**3.34**	5.28	<0.389	--
MW-303	04/13/21	0.0135 J-	0.00170 J-	0.0371 J-	0.0104 J-	**4.07**	--	--	--
MW-303	06/15/21	0.0258	0.00343	0.133	0.00867	**1.94**	--	--	--
MW-304	03/01/12	**0.686**	0.0351	0.214	0.264	**5.64**	--	--	--
MW-304	06/12/12	**1.04**	0.0408	0.27	0.218	**5.98**	--	--	--
MW-304	09/25/12	**0.63**	0.024	0.198	0.105	**3.93**	--	--	--
MW-304	11/28/12	**0.411**	0.0244	0.306	0.252	**5.89**	--	--	--
MW-304	02/22/13	**0.507**	0.0225	0.208	0.149	**5.56**	0.762	0.186 J	--
MW-304	05/14/13	**0.645**	0.0283	0.209	0.144	**4.73**	--	--	--
MW-304	09/05/13	**0.862**	0.0188	0.0849	0.0616	**3.09**	--	--	--
MW-304	11/05/13	**0.695**	0.0163	0.0629	0.054	**2.67**	--	--	--

Table 6
BTEX, Petroleum Hydrocarbons, and Lead in Groundwater
Shell Harbor Island Terminal
Seattle, Washington

		Volatile Organic Compounds				Hydrocarbons			Lead
Sample ID	**Sample Date**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**TPHg**	**TPHd**	**TPHo**	**Total**
Model Toxics Control Act Method A Cleanup Level		0.071	200	29	NE	1	10	10	0.0058
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-304	01/16/14	**0.79**	0.0194	0.0472	0.0571	**4.89**	--	--	--
MW-304	04/23/14	**0.778**	0.0248	0.185	0.147	**5.93**	--	--	--
MW-304	07/24/14	**0.437**	0.0173	0.109	0.0666	**3.59**	0.557	< 0.094	--
MW-304	11/03/14	**1.11**	0.0421	0.48	0.214	**3.32**	0.366	< 0.094	--
MW-304	05/20/15	**0.486**	0.0136	0.115	0.0373	**3.3**	--	--	< 0.010
MW-304	12/10/15	**0.775**	0.0312	0.336	0.114	**4.37**	1.55	< 0.387	--
MW-304	05/04/16	**0.527**	0.0187	0.355	0.0559	**4.05**	--	--	--
MW-304	12/15/16	**0.749**	0.0271	0.586	0.0664	**5.75**	1.78	0.0686 J	--
MW-304	06/13/17	**0.209**	0.0113	0.413	0.0246 J	**2.2**	--	--	--
MW-304	08/23/17	0.021	0.00437	0.0124	0.00494	0.566	--	--	--
MW-304	12/05/17	0.000217 J	< 0.000312	< 0.000494 J	0.00118 J	0.291	3.2	< 0.122	--
MW-304	03/06/18	0.000493	< 0.000312	0.000337 J	< 0.000442	0.562	--	--	--
MW-304	06/13/18	0.00107	< 0.000312	0.00561	0.00104 J	0.425	--	--	--
MW-304	09/06/18	0.000535	< 0.000312	< 0.000198	< 0.000442	< 0.0704	--	--	--
MW-304	12/20/18	< 0.000093	< 0.000312	< 0.000198	< 0.000442	< 0.0704	1.5	0.219 J	--
MW-304	03/19/19	0.000448	< 0.000312	0.000514 J	< 0.000442	0.105 J	--	--	--
MW-304	05/16/19	< 0.000200	< 0.000170	< 0.000190	< 0.000580	< 0.055	--	--	--
MW-304	09/19/19	0.000242 J	< 0.000312	< 0.000198	< 0.000442	< 0.0704	--	--	--
MW-304	12/11/19	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.188 J	0.120 U	--
MW-304	04/28/20	0.00171	< 0.000312	0.000281 J	< 0.000442	0.113 J	--	--	--
MW-304	06/30/20	0.0399	0.000627 J	0.000544 J	< 0.000442	0.131 J	--	--	--
MW-304	09/21/20	0.0623	0.000391 J	0.00109	0.000491 J	0.191	--	--	--
MW-304	12/15/20	0.0363	0.000932	0.00188	0.000883	0.26	4.22	<0.393	--
MW-304	04/13/21	0.00194	<0.000200	0.00107 J+	<0.000500	0.307	--	--	--
MW-304	06/15/21	0.0263	<0.00100	0.000697 J	<0.00300	0.23	--	--	--
MW-305	03/01/12	**1.14**	0.0227	0.0389	0.0375 J	**5.84**	--	--	--
MW-305	06/11/12	**1.34**	0.0221	0.0517	0.0331 J	**5.97**	--	--	--
MW-305	09/26/12	**1.27**	0.0229	0.0388	0.0355 J	**5.89**	--	--	--
MW-305	11/28/12	**0.286**	0.0061	0.0032 J	0.014	**1.53**	--	--	--
MW-305	05/15/13	**0.397**	0.0263	0.29	0.0867	**6.28**	--	--	--
MW-305	11/07/13	**0.0844**	0.025	0.216	0.0919	**3.59**	--	--	--
MW-305	04/23/14	**0.0884**	0.0139	0.0941	0.0454	**2.82**	--	--	--
MW-305	11/06/14	0.0419	0.0052	0.002	0.0306	**1.16**	--	--	--
MW-305	05/21/15	**0.12**	0.0101	0.191	0.108	**2.81**	--	--	--
MW-306	03/01/12	**0.606**	0.015	0.0353	0.718	**4.74**	--	--	--
MW-306	06/11/12	**0.393**	0.0115	0.0509	0.763	**5.09**	--	--	--
MW-306	09/26/12	**1.05**	0.0261	0.135	0.147	**6.56**	--	--	--
MW-306	11/28/12	**0.393**	0.0125	0.0183	0.0895	**3.06**	--	--	--
MW-306	05/15/13	**0.746**	0.0472	0.837	3.7	**18.5**	--	--	--
MW-306	11/07/13	**0.101**	0.0502	0.482	2.65	**12.8**	--	--	--
MW-306	04/23/14	**0.0762**	0.0345	0.325	1.97	**11**	--	--	--
MW-306	11/06/14	**0.119**	0.0226	0.302 J	0.939 J	**5.59**	--	--	--
MW-306	05/21/15	**0.106**	0.0354 J	0.874	5.15	**20.6**	--	--	--
MW-307	11/26/12	**2.15**	0.0858	0.833	0.513	**10.9**	--	--	--
MW-307	02/22/13	**0.497**	0.0358	0.226	0.145	**6.02**	0.604	< 0.094	--
MW-307	05/15/13	**0.437**	0.0461	0.167	0.12	**4.56**	--	--	--

Table 6
BTEX, Petroleum Hydrocarbons, and Lead in Groundwater
Shell Harbor Island Terminal
Seattle, Washington

		Volatile Organic Compounds				Hydrocarbons			Lead
Sample ID	**Sample Date**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**TPHg**	**TPHd**	**TPHo**	**Total**
Model Toxics Control Act Method A Cleanup Level		0.071	200	29	NE	1	10	10	0.0058
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-307	09/05/13	**0.643**	0.0645	0.154	0.131	**5.3**	--	--	--
MW-307	11/06/13	**0.568**	0.0448 J	0.104	0.0912	**4.39**	--	--	--
MW-307	04/22/14	**0.52**	0.0408	0.241	0.152	**5.68**	--	--	--
MW-307	11/04/14	**0.596**	0.039	0.176	0.095	**5.16**	0.632	< 0.095	--
MW-307	03/09/15	**0.444**	0.0358	0.271	0.104	**5.41**	--	--	--
MW-307	05/19/15	**0.306**	0.0273	0.14	0.0673	**3.44**	0.479	< 0.096	--
MW-307	07/29/15	**0.298**	0.0245	0.109	0.0434	**4.09**	--	--	--
MW-307	12/09/15	**0.699**	0.0585	0.334	0.131	**5.03**	1.63	< 0.392	--
MW-307	02/23/16	**0.498**	0.0417	0.578	0.110 J	**4.98**	--	--	--
MW-307	05/03/16	**0.469**	0.0338	0.456	0.0981	**5.04**	1.55	< 0.0597	--
MW-307	08/30/16	**0.261**	0.0299	0.222	0.195	**5.13**	--	--	--
MW-307	12/13/16	**0.275**	0.0255	0.302	0.102	**4.02**	1.34	0.0812 J	--
MW-307	03/14/17	**0.418**	0.0311	0.54	0.136	**6.33**	--	--	--
MW-307	06/15/17	**0.166**	0.0242	0.283	0.194 J	**4.18**	1.32	< 0.121	--
MW-307	08/23/17	**0.102 J**	0.0162	0.095	0.0912	**3.22**	1.33	< 0.126	--
MW-307	12/06/17	0.0501	0.00663	0.0479	0.0134	0.977	1.04	< 0.128	--
MW-307	03/08/18	**0.15**	0.0158	0.134	0.0255	**2.09**	--	--	--
MW-307	06/14/18	**0.243**	0.0256	0.315	0.0329	**2.71**	1.45	< 0.120	--
MW-307	09/05/18	0.0507	0.00339	0.016	0.00343	**1.45**	--	--	--
MW-307	12/19/18	0.027	0.000413 J	0.0119	0.00153 J	**1.17**	1.79	0.396 J	--
MW-307	03/18/19	0.0587	0.00269	0.05	0.00393	0.965	--	--	--
MW-307	05/16/19	0.0324	0.00693	0.026	0.0113	**2.47**	2.74	0.265 J	--
MW-307	09/19/19	0.0126	< 0.000312	0.00135	< 0.000442	0.444	--	--	--
MW-307	12/10/19	0.00497	< 0.000312	0.000291 J	< 0.000442	0.28	0.66	< 0.118	--
MW-307	04/27/20	**0.0974**	0.00608	0.159	0.0267	**1.45**	--	--	--
MW-307	06/29/20	**0.0946**	0.00479	0.0909	0.0164	**1.18**	7.11	0.273 J	--
MW-307	09/21/20	**0.21**	0.0102	0.156	0.0516	**2.01**	--	--	--
MW-307	12/16/20	**0.106 J-**	0.0072 J-	0.0622 J	0.0336 J-	**1.52**	7.75	<0.379	--
MW-307	04/12/21	**0.133 J**	0.0228 J-	0.0930 J	0.0950 J	**4.06 J+**	--	--	--
MW-307	06/14/21	**0.230**	0.0180	0.282	0.0885	**2.02**	6.68	0.422	--
MW-308	11/26/12	**0.144**	0.0010 J	0.0072	0.0013 J	0.778	--	--	--
MW-308	02/22/13	**0.668**	0.0078 J	0.0443	0.0059 J	**3.48**	0.354	< 0.10	--
MW-308	05/15/13	**0.392**	0.0052 J	0.0427	< 0.0046	**2.54**	--	--	--
MW-308	11/06/13	**0.237**	0.0033 J	0.0056	0.0026 J	**1.65**	--	--	--
MW-308	04/22/14	0.0165	< 0.00020	0.00036 J	< 0.00046	0.146	--	--	--
MW-308	11/04/14	**0.132**	0.0012	0.0044	0.00058	0.782	< 0.048	< 0.095	--
MW-308	03/09/15	**0.121 J**	0.002	0.00064 J	0.0013 J	**1.1**	--	--	--
MW-308	05/19/15	**0.213**	0.0013 J	< 0.00050	< 0.0012	0.973	--	--	--
MW-308	07/29/15	**0.242**	0.0017 J	0.0014 J	< 0.0012	**1.77**	--	--	--
MW-308	12/09/15	**0.146**	0.00361	0.0284	0.00527	**1.19**	--	--	--
MW-308	02/23/16	0.00711	< 0.000038(	0.000101 J	< 0.0000160	0.0619	--	--	--
MW-308	05/03/16	**0.281**	0.000903 J	0.00376	0.000680 J	**1.41**	--	--	--
MW-308	08/30/16	**0.196**	< 0.00312	< 0.00198	< 0.00162	**1.48**	--	--	--
MW-308	12/13/16	0.0309	< 0.000312	0.000529 J	< 0.000442	0.207	--	--	--
MW-308	03/14/17	0.000861	< 0.000312	< 0.000198	< 0.000442	< 0.0704	--	--	--
MW-308	06/15/17	**0.383**	0.00147	0.00107	0.000477 J	**1.28**	--	--	--
MW-308	08/23/17	**0.234**	< 0.00312	< 0.00198	< 0.00442	0.812 J	--	--	--
MW-308	12/06/17	**0.085**	< 0.000312	0.000717 J	< 0.000442	0.245	--	--	--

Table 6
BTEX, Petroleum Hydrocarbons, and Lead in Groundwater
Shell Harbor Island Terminal
Seattle, Washington

		Volatile Organic Compounds				Hydrocarbons			Lead
Sample ID	**Sample Date**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**TPHg**	**TPHd**	**TPHo**	**Total**
Model Toxics Control Act Method A Cleanup Level		0.071	200	29	NE	1	10	10	0.0058
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-308	03/08/18	**0.252**	0.000314 J	< 0.000198	< 0.000442	0.55	--	--	--
MW-308	06/14/18	**0.238**	0.000765 J	0.00226	< 0.000442	0.487	--	--	--
MW-308	09/05/18	0.00741	< 0.000312	< 0.000198	< 0.000442	0.118 J	--	--	--
MW-308	12/19/18	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	--	--	--
MW-308	03/18/19	0.000815	< 0.000312	< 0.000198	< 0.000442	< 0.0704	--	--	--
MW-308	05/16/19	0.00703	< 0.000170	< 0.000190	< 0.000580	0.397	--	--	--
MW-308	09/19/19	0.0096	< 0.000312	< 0.000198	< 0.000442	< 0.0704	--	--	--
MW-308	12/09/19	0.000322 J	< 0.000312	< 0.000198	< 0.000442	0.118 J	--	--	--
MW-308	04/27/20	0.00314	< 0.000312	< 0.000198	< 0.000442	< 0.0704	--	--	--
MW-308	06/29/20	0.00406	< 0.000312	0.000292 J	< 0.000442	0.140 J	--	--	--
MW-308	09/21/20	0.0175	0.00145	<0.001	<0.003	0.185	--	--	--
MW-308	12/16/20	**0.0730 J**	0.0954 J	0.026 J	0.0417 J	0.30	--	--	--
MW-308	04/12/21	0.0365 J+	0.000521 J+	0.000515 J+	<0.000500	0.267	--	--	--
MW-308	06/14/21	0.0572	0.00139	0.000975 J	0.00155 J	0.793	--	--	--
MW-309	11/28/12	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	--	--	--
MW-309	02/21/13	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	0.0790 J	< 0.10	--
MW-309	05/16/13	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	--	--	--
MW-309	11/06/13	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	--	--	--
MW-309	04/23/14	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	--	--	--
MW-309	07/24/14	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	0.102	< 0.094	--
MW-309	11/03/14	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	< 0.048	< 0.095	--
MW-309	05/20/15	< 0.00020	< 0.00020	0.00027 J	< 0.00046	0.0542 J	--	--	--
MW-309	12/08/15	< 0.00020	< 0.0010	< 0.0010	< 0.0030	< 0.100	< 0.241	< 0.402	--
MW-309	05/04/16	< 0.0000930	< 0.000312	0.000337 J	< 0.000162	< 0.100	--	--	--
MW-309	12/12/16	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0178	0.0834 J	< 0.0595	--
MW-309	06/13/17	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	--	--	--
MW-309	12/05/17	0.000184 J	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.0877 J	< 0.128	--
MW-309	06/12/18	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	--	--	--
MW-309	12/20/18	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.220 J	< 0.118	--
MW-309	05/16/19	< 0.000200	< 0.000170	< 0.000190	< 0.000580	0.3	--	--	--
MW-309	12/11/19	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	0.0804 J	0.614	<0.120	--
MW-309	06/29/20	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	0.123 J	--	--	--
MW-309	12/15/20	<0.00020	<0.0002	<0.00020	<0.0005	<0.250	0.292	<0.390	--
MW-309	06/15/21	<0.000400	<0.00100	<0.00100	<0.00300	0.15	--	--	--
MW-310	11/28/12	**0.86**	0.0265	0.211	0.147	**5.74**	--	--	--
MW-310	02/21/13	**1.8**	0.0768	0.506	0.18	**8.37**	0.603	< 0.10	--
MW-310	05/14/13	**0.993**	0.0703	0.654	0.175	**6.49**	--	--	--
MW-310	09/05/13	**0.96**	0.0598	0.31	0.11	**5.51**	--	--	--
MW-310	11/05/13	**0.772**	0.0409	0.226	0.0846	**4.92**	--	--	--
MW-310	01/16/14	**0.821**	0.0414	0.189	0.0775	**5.94**	--	--	< 0.001[1]
MW-310	04/23/14	**0.796**	0.0432	0.187	0.0607	**5.88**	--	--	--
MW-310	07/24/14	**0.92**	0.0489	0.368	0.0647	**6.36**	0.605	< 0.094	--
MW-310	11/04/14	**0.739**	0.0387	0.132	0.0538	**5.15**	0.613	< 0.094	--
MW-310	03/09/15	**0.736**	0.0475	0.189	0.0606	**4.71**	--	--	--
MW-310	05/21/15	**0.641**	0.0464	0.169	0.0572	**4.39**	--	--	< 0.010
MW-310	07/28/15	**0.714**	0.0428	0.181	0.0488	**3.72**	--	--	--
MW-310	12/10/15	**0.405**	0.0396	0.0771	0.0564	**3.89**	2.75	< 0.390	--

Table 6
BTEX, Petroleum Hydrocarbons, and Lead in Groundwater
Shell Harbor Island Terminal
Seattle, Washington

		Volatile Organic Compounds				Hydrocarbons			Lead
Sample ID	**Sample Date**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**TPHg**	**TPHd**	**TPHo**	**Total**
Model Toxics Control Act Method A Cleanup Level		0.071	200	29	NE	1	10	10	0.0058
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-310	02/23/16	**0.755**	0.0436	0.303	0.0615	**4.86**	--	--	--
MW-310	05/02/16	**0.655**	0.0349	0.324	0.0721	**4.82**	--	--	--
MW-310	08/29/16	**0.734**	0.0608	0.209	0.0885	**5.38**	--	--	--
MW-310	12/15/16	**0.673**	0.0504	0.289	0.0747	**5.92**	1.72	< 0.0624	--
MW-310	03/13/17	**0.809**	0.0541	0.387	0.0848	**5.58**	--	--	--
MW-310	06/15/17	**0.984**	0.0504	0.318	0.0635	**4.29**	--	--	--
MW-310	08/22/17	0.0562	0.0135	0.0416	0.0297	**2.17**	--	--	--
MW-310	12/05/17	0.00444	0.000430 J	0.0122	0.0172	0.459	1.66	< 0.122	--
MW-310	03/06/18	0.0293	< 0.000312	0.00108	0.00167 J	0.724	--	--	--
MW-310	06/13/18	0.0448	0.00103	0.0098	0.00308	0.748	--	--	--
MW-310	09/06/18	0.0182	0.000905 J	< 0.000198	0.000637 J	0.284	--	--	--
MW-310	12/20/18	0.00126	< 0.000312	< 0.000198	< 0.000442	0.0782 J	0.652	0.126 J	--
MW-310	03/19/19	0.00127	< 0.000312	0.000226 J	< 0.000442	0.297	--	--	--
MW-310	05/16/19	< 0.000200	< 0.000170	< 0.000190	< 0.000580	0.24	--	--	--
MW-310	09/19/19	0.000104 J	< 0.000312	< 0.000198	< 0.000442	< 0.0704	--	--	--
MW-310	12/11/19	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	0.0739 J	0.453	< 0.120	--
MW-310	04/28/20	0.00595	< 0.000312	0.000357 J	< 0.000442	0.579	--	--	--
MW-310	06/30/20	0.00523	< 0.000312	0.000481 J	< 0.000442	0.669 J	--	--	--
MW-310	09/21/20	0.00903	<0.001	0.000681 J	<0.003	0.427	--	--	--
MW-310	12/15/20	0.00622	<0.0002	0.00156	<0.0005	0.726	8.62	0.508	--
MW-310	04/12/21	0.0221 J-	0.000414 J	0.00269 J-	0.000570 J-	**1.61**	--	--	--
MW-310	06/15/21	0.0289	0.000421 J	0.00359	0.00117 J	0.554	--	--	--
MW-311	11/05/14	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	< 0.048	< 0.095	< 0.010
MW-311	03/09/15	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	--	--	--
MW-311	06/11/15	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	--	--	--
MW-311	07/28/15	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	--	--	--
MW-311	12/10/15	< 0.00020	< 0.0010	< 0.0010	< 0.0030	< 0.100	--	--	--
MW-311	02/23/16	< 0.0000320	< 0.0000380	< 0.0000860	< 0.0000160	< 0.0178	--	--	--
MW-311	05/04/16	0.000716	< 0.000312	< 0.000198	< 0.000162	0.0260 J	--	--	--
MW-311	08/29/16	< 0.0000930	< 0.000312	< 0.000198	< 0.000162	< 0.0178	--	--	--
MW-311	12/15/16	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0178	--	--	--
MW-311	03/13/17	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	--	--	--
MW-311	06/15/17	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	--	--	--
MW-311	08/22/17	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	--	--	--
MW-311	12/07/17	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	--	--	--
MW-311	03/08/18	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	--	--	--
MW-311	06/13/18	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	--	--	--
MW-311	09/05/18	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	--	--	--
MW-311	12/20/18	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	--	--	--
MW-311	03/18/19	0.000107 J	0.000409 J	< 0.000198	< 0.000442	0.3	--	--	--
MW-311	05/16/19	0.000237 J	0.000976 J	< 0.000190	< 0.000580	0.618	--	--	--
MW-311	09/19/19	0.000211 J	< 0.000312	< 0.000198	< 0.000442	0.461	--	--	--
MW-311	12/12/19	< 0.0000930	< 0.000312	0.000290 J	0.000839 J	0.751	--	--	--
MW-311	04/27/20	0.000221 J	0.00104	0.000292 J	0.000654 J	0.919	--	--	--
MW-311	06/30/20	0.000252 J	0.000799 J	0.000361 J	0.000883 J	**1.41 J**	--	--	--
MW-311	09/22/20	0.000313 J	0.00122	0.000351 J	0.000558 J	0.894	--	--	--
MW-311	12/15/20	0.000211	0.000865	0.000386	0.000641	**1.66 J+**	--	--	--
MW-311	04/13/21	<0.000200	0.00102	0.000247	<0.000500	**1.32**	--	--	--

Table 6
BTEX, Petroleum Hydrocarbons, and Lead in Groundwater
Shell Harbor Island Terminal
Seattle, Washington

		Volatile Organic Compounds				Hydrocarbons			Lead
Sample ID	**Sample Date**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**TPHg**	**TPHd**	**TPHo**	**Total**
Model Toxics Control Act Method A Cleanup Level		0.071 mg/L	200 mg/L	29 mg/L	NE mg/L	1 mg/L	10 mg/L	10 mg/L	0.0058 mg/L
MW-312	11/05/14	**0.239**	0.0058	0.0065	0.0102	**1.64**	1.13	0.132 J	< 0.010
MW-312	03/09/15	**0.357**	0.0044 J	0.0086	0.0050 J	**1.91**	--	--	--
MW-312	06/11/15	**0.204**	0.0034 J	0.0023 J	0.0027 J	**1.35**	--	--	--
MW-312	07/28/15	**0.313**	0.0041 J	0.0030 J	0.0032 J	**1.65**	--	--	--
MW-312	12/10/15	**0.0718**	0.00333	0.00222	0.00461	**1.26**	--	--	--
MW-312	02/23/16	**0.327**	0.00354	0.00759	0.00416	**1.96**	--	--	--
MW-312	05/04/16	**0.414**	0.00399	0.00662	0.00376	**2.22**	--	--	--
MW-312	08/29/16	**0.37**	0.00457 J	0.00354 J	0.00394 J	**2.3**	--	--	--
MW-312	12/15/16	**0.356**	0.00336 J	0.00556 J	< 0.000442	**2.27**	--	--	--
MW-312	03/13/17	**0.35**	0.00362	0.00527	0.00375	**2.07**	--	--	--
MW-312	06/15/17	**0.383**	0.00372	0.00425	0.00368 J	**1.89**	--	--	--
MW-312	08/23/17	**0.33**	0.00395	0.00279	0.00422	**2.02**	--	--	--
MW-312	12/07/17	**0.241**	0.00441	0.00223	0.00708	**1.72**	--	--	--
MW-312	03/08/18	**0.261**	0.00273 J	0.00260 J	0.00311 J	**1.77**	--	--	--
MW-312	06/13/18	**0.284**	0.0044	0.00243	0.0048	**1.69**	--	--	--
MW-312	09/05/18	**0.283**	0.00405	0.00306	0.0041	**2.06**	--	--	--
MW-312	12/20/18	**0.126**	0.00284	0.00231	0.00361	**1.44**	--	--	--
MW-312	03/19/19	**0.183**	0.00372	0.00472	0.00447	**2.07**	--	--	--
MW-312	05/16/19	**0.189**	0.00286	0.00353	0.00290 J	**2.5**	--	--	--
MW-312	09/19/19	**0.0928**	0.00233	0.00307	0.00220 J	**1.64**	--	--	--
MW-312	12/12/19	**0.094**	0.00251	0.00341	0.00275 J	**1.7**	--	--	--
MW-312	04/28/20	**0.0721**	0.00213	0.00315	0.00274 J	**1.66**	--	--	--
MW-312	06/30/20	**0.0792**	0.00238	0.00406	0.00208 J	**1.47**	--	--	--
MW-312	09/22/20	**0.176**	0.00286	0.0068	0.00295 J	**2.69**	--	--	--
MW-312	12/15/20	0.0498	0.00251	0.00437	0.00284	**2.56 J+**	--	--	--
MW-312	04/13/21	**0.121**	0.00244	0.00453	0.00219	--	--	--	--
MW-312	06/16/21	0.0472	0.00214	0.00250	0.00199 J	**1.57**	--	--	--
MW-313	08/29/16	< 0.0000930	< 0.000312	< 0.000198	< 0.000162	<0.0178	0.218	< 0.0603	--
MW-313	12/12/16	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.100	0.207	< 0.0598	--
MW-313	03/13/17	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.146 J	< 0.121	--
MW-313	06/15/17	< 0.0000930	< 0.000312	< 0.000198	0.000463 J	< 0.0704	0.165 J	< 0.122	--
MW-313	08/22/17	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.222 J	< 0.121	--
MW-313	12/07/17	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.153 J	< 0.120	--
MW-313	03/07/18	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	< 0.120	< 0.131	--
MW-313	06/13/18	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.139 J	< 0.123	--
MW-313	09/05/18	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.362	0.255 J	--
MW-313	12/20/18	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.468	0.327 J	--
MW-313	03/19/19	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.174 J	< 0.117	--
MW-313	05/16/19	< 0.000200	< 0.000170	< 0.000190	< 0.000580	0.0807	0.207 J	0.164 J	--
MW-313	09/19/19	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.237	< 0.114	--
MW-313	12/12/19	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.473	0.153 J	--
MW-313	04/27/20	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.149 J	< 0.122	--
MW-313	06/30/20	0.000136 J	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.260	< 0.116	--
MW-313	09/22/20	<0.0004	<0.001	<0.001	<0.003	<0.150	0.309	<0.408	--
MW-313	12/15/20	<0.00020	<0.0002	<0.00020	<0.0005	<0.250	0.288	<0.388	--
MW-313	04/13/21	<0.000200	<0.000200	<0.000200	<0.000500	<0.25	0.272	<0.35	--
MW-313	06/16/21	<0.000400	<0.00100	<0.00100	<0.00300	<0.15	0.156 J	<0.401	--

Table 6
BTEX, Petroleum Hydrocarbons, and Lead in Groundwater
Shell Harbor Island Terminal
Seattle, Washington

		Volatile Organic Compounds				Hydrocarbons			Lead
Sample ID	**Sample Date**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**TPHg**	**TPHd**	**TPHo**	**Total**
Model Toxics Control Act Method A Cleanup Level		0.071	200	29	NE	1	10	10	0.0058
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-314	08/30/16	< 0.0000930	< 0.000312	< 0.000198	< 0.000162	0.182	0.293	< 0.0599	--
MW-314	12/14/16	0.00432	0.000374 J	< 0.000198	< 0.000442	0.298	0.401	0.0679 J	--
MW-314	03/13/17	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	0.0891 J	0.245	<0.120	--
MW-314	06/14/17	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.227 J	< 0.122	--
MW-314	08/23/17	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	0.136 J	0.283	< 0.124	--
MW-314	12/06/17	0.000153 J	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.285	< 0.122	--
MW-314	03/07/18	0.00726	< 0.000312	< 0.000198	< 0.000442	0.131 J	0.336	< 0.127	--
MW-314	06/12/18	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	0.121 J	0.46	< 0.121	--
MW-314	09/05/18	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	0.203	0.825	0.501	--
MW-314	12/20/18	0.000564	0.000600 J	< 0.000198	< 0.000442	0.138 J	0.788	0.471	--
MW-314	03/19/19	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	0.157	0.608	0.139 J	--
MW-314	05/16/19	< 0.000200	< 0.000170	< 0.000190	< 0.000580	0.201	2.09	0.248 J	--
MW-314	12/10/19	< 0.000105 J	0.000400 J	< 0.000198	< 0.000442	0.26	1.44	0.178 J	--
MW-314	04/28/20	0.000578	< 0.000312	< 0.000198	< 0.000442	0.283	2.36	0.186 J	--
MW-314	06/29/20	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	0.147 J	2.57	0.214 J	--
MW-314	09/22/20	0.00584	0.000903 J	<0.001	0.000807 J	0.345	1.60	0.155 J	--
MW-314	12/15/20	0.0146	0.00182	0.00036	0.00186	0.578	1.84	<0.379	--
MW-314	04/13/21	<0.000200	0.000391 J+	<0.000200	<0.000500	0.363	2.75	0.745	--
MW-315	08/29/16	**0.0965**	0.00265	0.000548 J	0.00135 J	0.453	1.55	< 0.0600	--
MW-315	12/12/16	0.0174	0.00361	0.0023	0.00408	**1.17**	1.29	0.0871 J	--
MW-315	03/13/17	0.0295	0.00478	0.00153	0.00793	**1.24**	1.64	< 0.121	--
MW-315	06/15/17	**0.0804**	0.00426	0.000634 J	0.00965	**1.2**	2.95	< 0.122	--
MW-315	08/23/17	**0.0727**	0.00403	0.000909 J	0.00871	**1.71**	2.74	< 0.123	--
MW-315	12/07/17	0.00479	0.00377	0.000382 J	0.00756	**1.19**	2.21	< 0.121	--
MW-315	03/08/18	0.0435	0.00411	0.000736 J	0.00712	**1.39**	1.15	< 0.125	--
MW-315	06/13/18	0.0619	0.00529	0.000648 J	0.00762	**1.19**	1.78	< 0.120	--
MW-315	09/05/18	0.0178	0.00461	0.000476 J	0.00904	**1.33**	2.89	0.267 J	--
MW-315	12/20/18	0.00283	0.00464	0.000599 J	0.0106	**1.16**	3.06	0.310 J	--
MW-315	03/18/19	0.0233	0.00363	0.000959 J	0.0039	**1.4**	1.89	0.149 J	--
MW-315	05/16/19	0.0565	0.00393	0.000584 J	0.00399	**2.16**	2.38	0.179 J	--
MW-315	09/19/19	0.0361	0.0036	0.000542 J	0.00353	**1.29**	2.61	0.133 J	--
MW-315	12/12/19	0.00334	0.00389	0.000667 J	0.005	**1.68**	3.96	0.266 J	--
MW-315	04/27/20	0.051	0.00406	0.000695 J	0.00368	**1.66**	2.81	0.126 J	--
MW-315	06/30/20	0.0699	0.00574	0.000878 J	0.00413	**1.82**	2.74	0.155 J	--
MW-315	09/22/20	0.0297	0.00383	0.000625 J	0.00266 J	**1.78**	2.89	0.171 J	--
MW-315	12/15/20	0.0028	0.0044	0.000673	0.00368	**2.26 J+**	3.34	<0.385	--
MW-315	04/13/21	0.0666 J	0.00493	0.00141	0.00256	**2.9 J+**	5.04	0.691	--
MW-315	06/16/21	0.0578	0.00411	0.00182	0.00289 J	**1.66**	3.32	0.218 J	--
SH-04	01/13/04	**1.2**	0.21	0.14	2.11	**15**	4.7	< 2.5	--
SH-04	04/20/04	**1.5**	0.49	0.64	5.79	**26**	6.2	< 10	--
SH-04	07/27/04	**1.3**	0.13	0.55	1.78	**15**	5.4	0.53	--
SH-04	04/20/05	**0.98**	0.061	0.36	1.07	**11**	4.2	< 1.5	--
SH-04	04/25/06	**1.25**	0.089	0.65	2.31	**20**	8.23	2.52	--
SH-04	10/30/07	**0.884**	0.0315	0.315	0.0814	**<5.0**	--	--	--
SH-04	05/20/08	**1.1**	0.048	0.52	0.657	**8.9**	4.8	0.92	--
SH-04	11/20/08	**0.79**	0.032	0.23	0.0384	**6.6**	2.7	< 0.5	--

Table 6
BTEX, Petroleum Hydrocarbons, and Lead in Groundwater
Shell Harbor Island Terminal
Seattle, Washington

		Volatile Organic Compounds				Hydrocarbons			Lead
Sample ID	**Sample Date**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**TPHg**	**TPHd**	**TPHo**	**Total**
Model Toxics Control Act Method A Cleanup Level		0.071	200	29	NE	1	10	10	0.0058
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SH-04	04/08/09	**0.87**	0.04	0.25	0.19	**9.2**	4.7	< 0.1	--
SH-04	11/16/09	**0.48**	0.023	0.068	0.016	**4.9**	3.7	< 0.1	--
SH-04	04/27/10	**0.71**	0.027	0.27	0.13	**7.3**	4.7	0.39	--
SH-04	10/25/10	**0.58**	0.019	0.18	0.013	**4**	2.8	< 0.1	--
SH-04	05/23/11	**0.655**	0.0145	0.151	0.034	**5.4**	1.84	0.13	--
SH-04	10/27/11	**0.393**	0.02	0.0926	0.0279	**5.35**	1.22	< 0.19	--
SH-04	03/01/12	**0.614**	0.0227	0.0932	0.0124 J	**5.53**	--	--	--
SH-04	06/11/12	**0.426**	0.0142	0.112	0.0198 J	**6**	1.49	0.393	--
SH-04	09/25/12	**0.124**	0.0184	0.461	0.139	**6.52**	--	--	--
SH-04	11/25/12	**0.073**	0.0079 J	0.609	0.326	**8.15**	0.762	< 0.098	--
SH-04	05/15/13	0.0016 J	0.0005	0.0042	0.0032 J	**2.16**	0.376	< 0.096	--
SH-04	11/04/13	0.0032	0.00043 J	0.0071	0.005	**1.05**	0.134	< 0.094	--
SH-04	04/24/14	0.0091	0.00053 J	0.00090 J	0.0014 J	0.938	0.469	0.0944 J	--
SH-04	11/06/14	0.0249	0.0023	0.0173	0.0072	0.984	0.608	< 0.094	--
SH-04	05/21/15	0.0094	0.00048 J	0.0035	0.0021	0.78	0.171	< 0.094	--
SH-04	12/08/15	0.0155	0.00118	0.00359	0.00409	0.927	1.74	0.422	--
SH-04	05/05/16	0.000454	< 0.000312	0.000939 J	0.000887 J	0.941	0.23	< 0.0601	--
SH-04	12/14/16	0.00534	0.000990 J	0.0199	0.0123	0.843	1	0.102 J	--
SH-04	06/14/17	0.00158	0.000468 J	0.00192	0.00208 J	0.702	0.242 J	0.138 J	--
SH-04	12/07/17	0.00934	0.0015	0.00205	0.00351	0.796	1.78	< 0.136	--
SH-04	06/13/18	0.0052	0.000593 J	0.0042	0.00212 J	0.724	0.187 J	< 0.123	--
SH-04	12/19/18	0.0118	0.00195	0.0125	0.00477	0.804	0.954	0.210 J	--
SH-04	05/16/19	0.00169	0.000346 J	0.00225	0.00227 J	**1.35**	0.582	0.174 J	--
SH-04	12/11/19	0.012	0.00186	0.00139	0.00342	0.0805	1.26	< 0.121	--
SH-04	06/30/20	0.00239	0.000477 J	0.00124	0.00123 J	0.379	0.256	< 0.119	--
SH-04	12/14/20	0.0118	0.00164	0.00587	0.00262	0.359	2.78	0.472	--
SH-04	06/15/21	0.00525	0.000511 J	0.00294	0.00162 J	0.472	0.209 J	<0.404	--
TES-MW-1	01/14/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	< 0.25	< 0.5	--
TES-MW-1	04/20/04	0.0067	< 0.001	0.011	0.043	< 0.25	< 0.25	< 0.5	--
TES-MW-1	04/20/04	0.0075	< 0.001	0.013	0.049	< 0.25	< 0.25	< 0.5	--
TES-MW-1	07/28/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	< 0.25	< 0.5	--
TES-MW-1	10/18/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	< 0.25	< 0.5	--
TES-MW-1	01/25/05	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	< 0.25	< 0.5	--
TES-MW-1	01/25/05	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	< 0.25	< 0.5	--
TES-MW-1	04/19/05	< 0.001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.25	< 0.5	--
TES-MW-1	07/13/05	0.001	< 0.001	0.006	0.0189	0.1	< 0.25	< 0.5	--
TES-MW-1	10/20/05	0.0039	< 0.001	0.013	0.0437	0.23	< 0.25	< 0.5	--
TES-MW-1	01/27/06	< 0.0005	< 0.0005	< 0.0005	< 0.001	< 0.05	< 0.240	< 0.481	--
TES-MW-1	11/18/08	< 0.005	< 0.005	< 0.005	< 0.005	< 0.05	< 0.25	< 0.5	--
TES-MW-1	11/18/09	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.1	< 0.1	< 0.1	--
TES-MW-1	10/26/10	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.1	< 0.1	< 0.1	--
TES-MW-1	05/24/11	<0.0003	<0.0005	<0.0003	<0.0007	<0.050	--	--	--
TES-MW-1	10/27/11	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.20	< 0.10	< 0.20	--
TES-MW-1	11/26/12	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	< 0.050	< 0.10	--
TES-MW-1	11/06/13	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	< 0.048	< 0.095	--
TES-MW-1	11/04/14	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	< 0.048	< 0.095	--
TES-MW-1	12/09/15	< 0.00020	< 0.0010	< 0.0010	< 0.0030	< 0.100	< 0.234	< 0.390	--
TES-MW-1	12/13/16	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0178	< 0.0466	< 0.0699	--

Table 6
BTEX, Petroleum Hydrocarbons, and Lead in Groundwater
Shell Harbor Island Terminal
Seattle, Washington

		Volatile Organic Compounds				Hydrocarbons			Lead
Sample ID	**Sample Date**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**TPHg**	**TPHd**	**TPHo**	**Total**
Model Toxics Control Act Method A Cleanup Level		0.071	200	29	NE	1	10	10	0.0058
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
TES-MW-1	12/06/17	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	< 0.0816	< 0.122	--
TES-MW-1	12/19/18	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	< 0.106	< 0.116	--
TES-MW-1	12/09/19	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	< 0.111	< 0.121	--
TES-MW-1	12/16/20	<0.00020	<0.0002	<0.00020	<0.0005	<0.250	<0.238	<0.397	--
TX-03A	01/13/04	**2.9**	0.018	0.038	0.091	**2.7**	0.86	< 0.5	--
TX-03A	04/19/04	**4.4**	0.047	0.12	0.11	**12**	1.3	< 0.5	--
TX-03A	07/27/04	**1.7**	0.011	0.016	0.037	**5.2**	0.81	< 0.5	--
TX-03A	10/18/04	**3.2**	0.024	0.062	0.093	**7.5**	1.2	< 0.5	--
TX-03A	01/24/05	**2.5**	0.02	< 0.01	0.065	**8.2**	0.54	< 0.5	--
TX-03A	04/19/05	**2.5**	0.021	0.026	0.049	**6.1**	0.47	< 0.5	--
TX-03A	07/12/05	**3.1**	0.024	0.044	0.054	**10**	0.32	< 0.5	--
TX-03A	10/31/07	**2.2**	0.0233	0.0601	0.0503	<5.0	--	--	--
TX-03A	05/20/08	**0.88**	0.007	0.016	0.01	**3**	--	--	--
TX-03A	11/20/08	**2.1**	0.019	0.038	0.018	**4.5**	--	--	--
TX-03A	04/08/09	**1.2**	< 0.025	0.028	< 0.025	**3.5**	--	--	--
TX-03A	11/17/09	**0.97**	0.0078	0.016	0.011	**2.4**	--	--	--
TX-03A	04/27/10	**1.7**	0.0096	0.0087	0.0099	**4.6**	--	--	--
TX-03A	10/25/10	**1.7**	0.011	0.067	0.013	**3.3**	--	--	--
TX-03A	05/23/11	**1.78**	<0.025	0.044	<0.035	**7.53**	--	--	--
TX-03A	10/27/11	**3.44**	0.0712	0.147	0.111	**8.51**	--	--	--
TX-03A	03/01/12	**1.74**	0.0261	0.0272	0.0345 J	**5.58**	--	--	--
TX-03A	06/12/12	**1.57**	0.0200 J	0.0139 J	0.0300 J	**6.78**	--	--	--
TX-03A	09/25/12	**1.7**	0.0298	0.041	0.0501	**5.53**	--	--	--
TX-03A	11/28/12	**1.18**	0.0188 J	0.0232	0.0357 J	**4.91**	--	--	--
TX-03A	02/21/13	**2.81**	0.0403	0.0421	0.0489 J	**8.2**	0.32	< 0.10	--
TX-03A	05/15/13	**2.15**	0.0459 J	0.189	0.0643 J	**3.11**	--	--	--
TX-03A	11/05/13	**2.72**	0.0343 J	0.0364 J	0.0411 J	**6.01**	--	--	--
TX-03A	04/23/14	**1.22**	0.0171	0.0251	0.027	**5.76**	--	--	--
TX-03A	07/24/14	**1.64**	0.0317	0.0698	0.052	**7.55**	0.382	< 0.094	--
TX-03A	11/04/14	**0.941**	0.0137	0.0366	0.0269	**5.76**	0.448	< 0.094	--
TX-03A	03/09/15	**1.86**	0.0246 J	0.0581	0.0390 J	**7.16**	--	--	--
TX-03A	05/21/15	**1.15**	0.0144 J	0.0462	0.0260 J	**3.4**	--	--	--
TX-03A	07/28/15	**1.72**	0.0213 J	0.118	0.0355 J	**5.42**	--	--	--
TX-03A	12/10/15	**0.635**	0.0126	0.026	0.0253	**3.32**	1.34	< 0.391	--
TX-03A	02/23/16	**1.78**	0.0274	0.0882	0.0385	**5.17**	--	--	--
TX-03A	05/02/16	**1.54**	0.037	0.208	0.0503	**6.3**	--	--	--
TX-03A	08/29/16	**0.844**	0.0257	0.246	0.053	**5.89**	--	--	--
TX-03A	12/15/16	**0.995**	0.0197 J	0.0697	0.0357 J	**4.81**	1.73	0.125 J	--
TX-03A	03/13/17	**0.76**	0.0208	0.0901	0.0352 J	**3.66**	--	--	--
TX-03A	06/13/17	**1.37**	0.0361	0.246	0.0618 J	**5.36**	--	--	--
TX-03A	08/22/17	**1.08**	0.0233	0.137	0.0363	**4.55**	--	--	--
TX-03A	12/05/17	**0.258**	0.00697 J	0.0172 J	0.0126 J	**3.07**	2.03	0.172 J	--
TX-03A	03/27/18	**0.135**	0.00114	0.00395	0.000969 J	**1.21**	--	--	--
TX-03A	06/13/18	**0.204**	0.0024	0.015	0.000713 J	0.97	--	--	--
TX-03A	09/06/18	**0.263**	0.00308	0.0252	0.00115 J	**1.31**	--	--	--
TX-03A	12/20/18	0.0278	0.000612 J	0.00282	0.000499 J	0.768	2.88	1.05	--
TX-03A	03/19/19	0.0131 J	< 0.000312	0.00143	< 0.000442	0.938	--	--	--
TX-03A	05/16/19	**0.102 J**	< 0.000170 J	0.00115 J	< 0.000580 J	0.991	--	--	--

Table 6
BTEX, Petroleum Hydrocarbons, and Lead in Groundwater
Shell Harbor Island Terminal
Seattle, Washington

		Volatile Organic Compounds				Hydrocarbons			Lead
Sample ID	**Sample Date**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**TPHg**	**TPHd**	**TPHo**	**Total**
Model Toxics Control Act Method A Cleanup Level		0.071	200	29	NE	1	10	10	0.0058
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
TX-03A	09/19/19	0.00642	< 0.000312	0.00722	< 0.000442	0.446	--	--	--
TX-03A	12/11/19	0.00173	< 0.000312	0.0017	< 0.000442	0.521	1.72	0.154 J	--
TX-03A	04/28/20	0.023	< 0.000312	0.000578 J	< 0.000442	0.181	--	--	--
TX-03A	06/30/20	0.00796	< 0.000312	0.00135	< 0.000442	0.129 J	--	--	--
TX-03A	09/21/20	0.00527	<0.001	0.00293	<0.003	0.139 J	--	--	--
TX-03A	12/15/20	0.00499	0.00022	0.0029	<0.0005	<0.250	0.520	<0.371	--
TX-03A	04/12/21	0.0665 J	0.00151	0.00955	<0.000500	0.465	--	--	--
TX-03A	06/16/21	0.0416	0.00151	0.0192	0.000832 J	0.285	--	--	--
TX-04	01/13/04	0.025	0.0055	< 0.001	0.0194	0.65	0.59	< 0.5	--
TX-04	04/21/04	0.0025	0.0017	< 0.001	0.0031	0.47	2.2	< 0.75	--
TX-04	07/27/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	1.5	< 0.5	--
TX-04	10/18/04	< 0.001	< 0.001	< 0.001	0.0022	0.28	1.2	< 0.5	--
TX-04	01/24/05	0.031	0.0071	< 0.001	0.0204	0.87	0.64	< 0.5	--
TX-04	04/20/05	0.014	0.0036	< 0.001	0.0085	0.54	0.73	< 0.5	--
TX-04	07/12/05	< 0.001	< 0.001	< 0.001	0.0014	0.34	0.82	< 0.5	--
TX-04	10/18/05	< 0.001	< 0.001	< 0.001	< 0.001	0.2	1.1	< 0.5	--
TX-04	01/25/06	0.00127	0.001	< 0.0005	0.00151	0.206	0.835	< 0.476	--
TX-04	11/18/08	< 0.005	< 0.005	< 0.005	< 0.005	0.076	< 0.25	< 0.5	--
TX-04	11/16/09	< 0.0005	< 0.001	< 0.001	< 0.001	0.17	0.13	< 0.1	--
TX-04	10/25/10	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.1	0.17	< 0.1	--
TX-04	05/23/11	<0.0003	<0.0005	<0.0003	<0.0007	0.0554	--	--	--
TX-04	10/26/11	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.20	0.0966	< 0.20	--
TX-04	11/26/12	0.0013	0.00038 J	< 0.00020	0.00052 J	0.0980 J	0.0807 J	< 0.10	--
TX-04	11/04/13	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	0.0492 J	< 0.095	--
TX-04	11/06/14	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	< 0.048	< 0.096	--
TX-04	12/08/15	0.000268	< 0.0010	< 0.0010	< 0.0030	< 0.100	< 0.245	< 0.408	--
TX-04	12/12/16	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0178	0.0762 J	< 0.0608	--
TX-04	12/05/17	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	< 0.0834	< 0.125	--
TX-04	12/19/18	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	< 0.104	< 0.114	--
TX-04	12/12/19	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.122 J	< 0.119	--
TX-04	12/14/20	<0.00020	<0.0002	<0.00020	<0.0005	<0.250	<0.110	<0.351	--
TX-06A	01/14/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	5.8	< 1	--
TX-06A	04/21/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	3.4	< 0.75	--
TX-06A	07/27/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	3.6	< 0.5	--
TX-06A	10/18/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	4.1	< 0.5	--
TX-06A	01/24/05	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	2.7	< 0.5	--
TX-06A	04/20/05	< 0.001	< 0.001	< 0.001	< 0.001	0.18	6.3	< 1.5	--
TX-06A	07/13/05	< 0.001	< 0.001	< 0.001	< 0.001	0.26	2.5	< 0.5	--
TX-06A	10/18/05	< 0.001	< 0.001	< 0.001	< 0.001	0.072	0.93	< 0.5	--
TX-06A	01/26/06	< 0.0005	< 0.0005	< 0.0005	< 0.001	0.126	1.57	< 0.476	--
TX-06A	11/18/08	< 0.005	< 0.005	< 0.005	< 0.005	< 0.05	0.49	< 0.5	--
TX-06A	11/17/09	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.1	0.24	< 0.1	--
TX-06A	10/28/10	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.1	0.72	< 0.1	--
TX-06A	10/25/11	< 0.0010	< 0.0010	< 0.0010	< 0.0020	0.0519	0.499	< 0.21	--
TX-06A	11/25/12	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.50	0.716	< 0.098	--
TX-06A	11/07/13	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	0.358	< 0.095	--
TX-06A	11/06/14	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	0.758	0.184	--
TX-06A	12/08/15	< 0.00020	< 0.0010	< 0.0010	< 0.0030	< 0.100	1.03	<0.388	--

Table 6
BTEX, Petroleum Hydrocarbons, and Lead in Groundwater
Shell Harbor Island Terminal
Seattle, Washington

		Volatile Organic Compounds				Hydrocarbons			Lead
Sample ID	**Sample Date**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**TPHg**	**TPHd**	**TPHo**	**Total**
Model Toxics Control Act Method A Cleanup Level		0.071	200	29	NE	1	10	10	0.0058
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
TX-06A	12/12/16	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0178	0.433	0.0707 J	--
TX-06A	12/05/17	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.36	< 0.122	--
TX-06A	12/20/18	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.592	0.244 J	--
TX-06A	12/10/19	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.244	< 0.119	--
TX-06A	12/14/20	<0.00020	<0.0002	<0.00020	<0.0005	<0.250	1.32	0.589	--
MW-01	07/28/15	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	--	--	--

Note:

= Indicates data collected during this progress report period

* = Cleanup levels per the Cleanup Action Plan (Ecology, 1998)

[1] = Dissolved lead result

Bold = indicate detected concentration greater than cleanup level

BTEX = benzene, toluene, ethylbenzene, and total xylenes

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.

J+ = The result is an estimated quantity, but the result may be biased high.

J- = The result is an estimated quantity, but the result may be biased low.

< = not detected at or above the indicated limit. Beginning June 12, 2012, limits shown are laboratory Method Detection Limits (MDLs). Prior to June 12, 2012, limits shown are laboratory Reporting Limits (RLs).

mg/L = milligrams per liter

NA = not analyzed

NE = not established

TPHg = Total petroleum hydrocarbons as gasoline analyzed by Northwest Method NWTPH-Gx.

TPHd = Total petroleum hydrocarbons as diesel analyzed by Northwest Method NWTPH-Dx.

TPHo = Total petroleum hydrocarbons as oil analyzed by Northwest Method NWTPH-Dx.

Table 7
Carcinogenic PAHs in Groundwater
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	PAHs						
		Benzo(a)-anthracene	Benzo(a)-pyrene	Benzo(b)-fluoranthene	Benzo(k)-fluoranthene	Chrysene	Dibenz(a,h)-anthracene	Indeno(1,2,3-cd)pyrene
Model Toxics Control Act Method A Cleanup Level		0.000031 mg/L	0.000031 mg/L	0.000031 mg/L	0.000031 mg/L	0.000031 mg/L	0.000031 mg/L	0.000031 mg/L
MW-213	01/14/04	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
MW-213	04/20/04	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
MW-213	07/28/04	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
MW-213	10/19/04	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
MW-213	01/25/05	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
MW-213	04/19/05	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
MW-213	07/12/05	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
MW-213	10/20/05	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
MW-213	01/26/06	< 0.0000943	< 0.0000943	< 0.0000943	< 0.0000943	< 0.0000943	< 0.0000943	< 0.0000943
MW-213	10/30/07	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MW-213	11/19/08	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MW-213	04/07/09	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
MW-213	11/18/09	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
MW-213	04/26/10	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
MW-213	10/28/10	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
MW-213	05/24/11	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
MW-213	10/25/11	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
MW-213	06/12/12	< 0.000050	< 0.000041	< 0.000035	< 0.000039	< 0.000045	< 0.000035	< 0.000035
MW-213	11/29/12	< 0.000053	< 0.000041	< 0.000035	< 0.000039	< 0.000045	< 0.000035	< 0.000035
MW-213	05/15/13	< 0.000050	< 0.000039	< 0.000033	< 0.000037	< 0.000042	< 0.000033	< 0.000033
MW-213	11/05/13	< 0.000050	< 0.000039	< 0.000033	< 0.000037	< 0.000043	< 0.000033	< 0.000033
MW-213	04/23/14	< 0.000050	< 0.000039	< 0.000033	< 0.000037	< 0.000043	< 0.000033	< 0.000033
MW-213	11/05/14	< 0.000050	< 0.000039	< 0.000033	< 0.000037	< 0.000042	< 0.000033	< 0.000033
MW-213	05/19/15	< 0.0014	< 0.0011	< 0.0013	< 0.0013	< 0.0016	< 0.0012	< 0.0013
MW-213	12/09/15	< 0.0000948	< 0.0000948	< 0.0000948	< 0.0000948	< 0.0000948	< 0.0000948	< 0.0000948
MW-213	05/03/16	< 0.00000920	< 0.0000101	< 0.0000101	< 0.0000138	< 0.00000644	< 0.0000120	< 0.0000202
MW-213	12/13/16	0.0000122	< 0.0000887	< 0.0000108	< 0.0000148	< 0.00000690	< 0.0000128	< 0.0000217
MW-213	06/14/17	< 0.0000888	< 0.0000109	< 0.0000109	< 0.0000148	< 0.00000691	< 0.0000128	< 0.0000217
MW-213	12/07/17	< 0.00000965	< 0.0000106	< 0.0000106	< 0.0000145	< 0.00000676	< 0.0000125	< 0.0000212
MW-213	06/12/18	< 0.0000103	< 0.0000113	< 0.0000113	< 0.0000154	< 0.00000720	< 0.0000134	< 0.0000226
MW-213	12/19/18	< 0.0000119	< 0.0000119	< 0.0000109	< 0.0000149	< 0.00000893	< 0.0000129	< 0.0000218
MW-213	05/16/19	< 0.0000119	< 0.0000119	< 0.0000109	< 0.0000149	< 0.00000893	< 0.0000129	< 0.0000218
MW-213	12/11/19	< 0.0000119	< 0.0000896	< 0.0000109	< 0.0000149	< 0.00000995	< 0.0000129	< 0.0000219
MW-213	06/29/20	<0.0000124	<0.0000124	<0.0000113	<0.0000154	<0.0000103	<0.0000134	<0.0000226
MW-213	12/16/20	<0.0000503	<0.000101	<0.0000503	<0.0000503	<0.000101	<0.000101	<0.0000503
MW-213	06/14/21	<0.0000506	<0.000101	<0.0000506	<0.0000506	<0.000101	<0.000101	<0.0000506
MW-214	01/30/03	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
MW-214	04/17/03	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
MW-214	07/17/03	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
MW-214	10/16/03	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
MW-214	01/14/04	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
MW-214	04/20/04	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

Table 7
Carcinogenic PAHs in Groundwater
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	PAHs						
		Benzo(a)-anthracene	Benzo(a)-pyrene	Benzo(b)-fluoranthene	Benzo(k)-fluoranthene	Chrysene	Dibenz(a,h)-anthracene	Indeno(1,2,3-cd)pyrene
Model Toxics Control Act Method A Cleanup Level		0.000031 mg/L	0.000031 mg/L	0.000031 mg/L	0.000031 mg/L	0.000031 mg/L	0.000031 mg/L	0.000031 mg/L
MW-214	07/28/04	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
MW-214	10/19/04	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
MW-214	01/25/05	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
MW-214	04/19/05	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
MW-214	07/12/05	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
MW-214	10/20/05	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
MW-214	01/26/06	< 0.000099	< 0.000099	< 0.000099	< 0.000099	< 0.000099	< 0.000099	< 0.000099
MW-214	10/30/07	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MW-214	05/05/08	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MW-214	11/19/08	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MW-214	04/07/09	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
MW-214	11/18/09	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
MW-214	04/26/10	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
MW-214	10/28/10	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
MW-214	05/24/11	< 0.000029	< 0.000029	< 0.000029	< 0.000029	< 0.000029	< 0.000029	< 0.000029
MW-214	10/25/11	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
MW-214	06/12/12	< 0.000051	< 0.000040	< 0.000034	< 0.000038	< 0.000044	< 0.000034	< 0.000034
MW-214	11/29/12	< 0.000050	< 0.000039	< 0.000033	< 0.000037	< 0.000042	< 0.000033	< 0.000033
MW-214	05/15/13	< 0.000050	< 0.000039	< 0.000033	< 0.000037	< 0.000042	< 0.000033	< 0.000033
MW-214	11/05/13	< 0.000050	< 0.000039	< 0.000033	< 0.000037	< 0.000042	< 0.000033	< 0.000033
MW-214	04/23/14	< 0.000050	< 0.000039	< 0.000033	< 0.000037	< 0.000043	< 0.000033	< 0.000033
MW-214	11/05/14	< 0.000050	< 0.000039	< 0.000033	< 0.000037	< 0.000042	< 0.000033	< 0.000033
MW-214	05/19/15	< 0.0013	< 0.0010	< 0.0012	< 0.0013	< 0.0015	< 0.0012	< 0.0013
MW-214	12/09/15	< 0.0000908	< 0.0000908	< 0.0000908	< 0.0000908	< 0.0000908	< 0.0000908	< 0.0000908
MW-214	05/04/16	< 0.00000926	< 0.0000102	< 0.0000102	< 0.0000139	< 0.00000648	< 0.0000120	< 0.0000204
MW-214	12/14/16	0.00000994	< 0.0000883	< 0.0000108	< 0.0000147	< 0.00000687	< 0.0000128	< 0.0000216
MW-214	06/14/17	< 0.0000850	< 0.0000104	< 0.0000104	< 0.0000142	< 0.00000661	< 0.0000123	< 0.0000208
MW-214	12/07/17	< 0.0000102	< 0.0000112	< 0.0000112	< 0.0000153	< 0.00000713	< 0.0000132	< 0.0000224
MW-214	06/12/18	< 0.00000976	< 0.0000107	< 0.0000107	< 0.0000146	< 0.00000683	< 0.0000127	< 0.0000215
MW-214	12/19/18	< 0.0000119	< 0.0000119	< 0.0000109	< 0.0000149	< 0.00000894	< 0.0000129	< 0.0000219
MW-214	05/16/19	< 0.0000119	< 0.0000119	< 0.0000109	< 0.0000149	< 0.00000894	< 0.0000129	< 0.0000219
MW-214	12/11/19	0.0000141 J	< 0.0000921	< 0.0000113	< 0.0000154	< 0.0000102	< 0.0000133	< 0.0000225
MW-214	06/29/20	<0.0000117	<0.0000117	<0.0000108	<0.0000147	<0.00000977	<0.0000127	<0.0000215
MW-214	12/16/20	<0.0000517	<0.000103	<0.0000517	<0.0000517	<0.000103	<0.000103	<0.0000517
MW-214	06/14/21	<0.0000499	<0.0000999	<0.0000499	<0.0000499	<0.0000999	<0.0000999	<0.0000499
MW-301	07/24/14	< 0.000050	< 0.000039	< 0.000033	< 0.000037	< 0.000042	< 0.000033	< 0.000033
MW-301	05/21/15	< 0.0014	< 0.0011	< 0.0013	< 0.0013	< 0.0016	< 0.0012	< 0.0013
MW-302	07/24/14	< 0.000050	< 0.000039	< 0.000033	< 0.000037	< 0.000042	< 0.000033	< 0.000033
MW-302	05/21/15	< 0.0013	< 0.0010	< 0.0012	< 0.0013	< 0.0015	< 0.0012	< 0.0013
MW-303	07/24/14	< 0.000050	< 0.000039	< 0.000033	< 0.000037	< 0.000043	< 0.000033	< 0.000033
MW-303	05/20/15	< 0.0014	< 0.0011	< 0.0013	< 0.0013	< 0.0016	< 0.0012	< 0.0013

Table 7
Carcinogenic PAHs in Groundwater
Shell Harbor Island Terminal
Seattle, Washington

Sample ID	Sample Date	PAHs						
		Benzo(a)-anthracene	Benzo(a)-pyrene	Benzo(b)-fluoranthene	Benzo(k)-fluoranthene	Chrysene	Dibenz(a,h)-anthracene	Indeno(1,2,3-cd)pyrene
Model Toxics Control Act Method A Cleanup Level		0.000031 mg/L	0.000031 mg/L	0.000031 mg/L	0.000031 mg/L	0.000031 mg/L	0.000031 mg/L	0.000031 mg/L
MW-304	07/24/14	< 0.000050	< 0.000039	< 0.000033	< 0.000037	< 0.000042	< 0.000033	< 0.000033
MW-304	05/20/15	< 0.0013	< 0.0010	< 0.0012	< 0.0013	< 0.0015	< 0.0012	< 0.0013
MW-309	07/24/14	< 0.000050	< 0.000039	< 0.000033	< 0.000037	< 0.000042	< 0.000033	< 0.000033
MW-309	05/20/15	< 0.0014	< 0.0011	< 0.0013	< 0.0014	< 0.0016	< 0.0012	< 0.0013
MW-310	07/24/14	< 0.000050	< 0.000039	< 0.000033	< 0.000037	< 0.000042	< 0.000033	< 0.000033
MW-310	05/21/15	< 0.0013	< 0.0010	< 0.0012	< 0.0013	< 0.0015	< 0.0012	< 0.0013
MW-311	11/05/14	< 0.000050	< 0.000039	< 0.000033	< 0.000037	< 0.000042	< 0.000033	< 0.000033
MW-312	11/05/14	< 0.000050	< 0.000039	< 0.000033	< 0.000037	< 0.000042	< 0.000033	< 0.000033
TX-03A	07/24/14	< 0.000050	< 0.000039	< 0.000033	< 0.000037	< 0.000042	< 0.000033	< 0.000033
TX-03A	05/21/15	< 0.0014	< 0.0010	< 0.0013	< 0.0013	< 0.0016	< 0.0012	< 0.0013

Note:

= Indicates data collected during this progress report period

*** =** Cleanup levels per the Cleanup Action Plan (Ecology, 1998)

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.

< = not detected at or above the indicated limit. Beginning June 12, 2012, limits shown are

ID = identification

mg/L = milligrams per liter

PAHs = polycyclic aromatic hydrocarbons

Attachment A

Laboratory Report

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 590-15331-1
Laboratory SDG: 2555 13th Avenue SW, Seattle, WA
Client Project/Site: Shell - Triton West Consent Decree

For:
GHD Services Inc.
2235 Mercury Way
Suite 150
Santa Rosa, California 95407

Attn: Jacquelyn England

Roxanne Cisneros

Authorized for release by:
7/1/2021 1:42:04 PM

Roxanne Cisneros, Senior Project Manager
(615)301-5761
roxanne.cisneros@Eurofinset.com

Table of Contents

Job ID: 590-15331-1

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Job Narrative
590-15331-1

Comments
No additional comments.

Receipt
The samples were received on 6/18/2021 4:50 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.8º C and 2.3º C.

Receipt Exceptions
The following sample was listed on the Chain of Custody (COC); however, no sample was received: MW-311 (590-15331-11).

GC/MS VOA
Method 8260D: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 590-32135.

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

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

GC Semi VOA
Method NWTPH-Dx: Detected hydrocarbons appear to be due to gasoline overlap as well as weathered diesel. MW-202 (590-15331-1)

Method NWTPH-Dx: Detected hydrocarbons appear to be due to weathered diesel. MW-307 (590-15331-7), MW-315 (590-15331-14) and MW-112A (590-15331-18)

Method NWTPH-Dx: Detected hydrocarbons appear to be due to gasoline overlap. MW-104 (590-15331-20)

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

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

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 580-359719, so a LCS and LCSD were used instead.

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

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

Sample Summary

Client: GHD Services Inc.
Project/Site: Shell - Triton West Consent Decree

Job ID: 590-15331-1
SDG: 2555 13th Avenue SW, Seattle, WA

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
590-15331-1	MW-202	Water	06/14/21 14:06	06/18/21 16:50	
590-15331-2	MW-203	Water	06/15/21 10:29	06/18/21 16:50	
590-15331-3	MW-301	Water	06/15/21 11:39	06/18/21 16:50	
590-15331-4	MW-302	Water	06/15/21 13:03	06/18/21 16:50	
590-15331-5	MW-303	Water	06/15/21 12:09	06/18/21 16:50	
590-15331-6	MW-304	Water	06/15/21 12:39	06/18/21 16:50	
590-15331-7	MW-307	Water	06/14/21 11:33	06/18/21 16:50	
590-15331-8	MW-308	Water	06/14/21 11:02	06/18/21 16:50	
590-15331-9	MW-309	Water	06/15/21 11:12	06/18/21 16:50	
590-15331-10	MW-310	Water	06/15/21 13:31	06/18/21 16:50	
590-15331-12	MW-312	Water	06/16/21 08:53	06/18/21 16:50	
590-15331-13	MW-313	Water	06/16/21 08:15	06/18/21 16:50	
590-15331-14	MW-315	Water	06/16/21 09:25	06/18/21 16:50	
590-15331-15	TX-03A	Water	06/16/21 10:01	06/18/21 16:50	
590-15331-16	MW-05	Water	06/15/21 08:51	06/18/21 16:50	
590-15331-17	MW-111	Water	06/15/21 07:52	06/18/21 16:50	
590-15331-18	MW-112A	Water	06/15/21 09:49	06/18/21 16:50	
590-15331-19	SH-04	Water	06/15/21 09:20	06/18/21 16:50	
590-15331-20	MW-104	Water	06/15/21 08:25	06/18/21 16:50	
590-15331-21	MW-213	Water	06/14/21 12:33	06/18/21 16:50	
590-15331-22	MW-214	Water	06/14/21 13:10	06/18/21 16:50	
590-15331-23	TB01	Water	06/14/21 12:00	06/18/21 16:50	

Definitions/Glossary

Client: GHD Services Inc. Job ID: 590-15331-1
Project/Site: Shell - Triton West Consent Decree SDG: 2555 13th Avenue SW, Seattle, WA

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/MS 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.

GC Semi VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: MW-202

Lab Sample ID: 590-15331-1

Date Collected: 06/14/21 14:06

Matrix: Water

Date Received: 06/18/21 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	1320		150	70.4	ug/L			06/24/21 21:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*68.7 - 141*		*06/24/21 21:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	4520		242	111	ug/L		06/28/21 13:07	06/28/21 17:32	1
RRO (C25-C36)	327	J	404	121	ug/L		06/28/21 13:07	06/28/21 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*94*		*50 - 150*	*06/28/21 13:07*	*06/28/21 17:32*	*1*
n-Triacontane-d62	*100*		*50 - 150*	*06/28/21 13:07*	*06/28/21 17:32*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: Shell - Triton West Consent Decree

Job ID: 590-15331-1
SDG: 2555 13th Avenue SW, Seattle, WA

Client Sample ID: MW-203

Date Collected: 06/15/21 10:29
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		150	70.4	ug/L			06/24/21 22:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*68.7 - 141*		*06/24/21 22:18*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	ND		246	113	ug/L		06/28/21 13:07	06/28/21 17:54	1
RRO (C25-C36)	**267**	**J**	411	123	ug/L		06/28/21 13:07	06/28/21 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*88*		*50 - 150*	*06/28/21 13:07*	*06/28/21 17:54*	*1*
n-Triacontane-d62	*95*		*50 - 150*	*06/28/21 13:07*	*06/28/21 17:54*	*1*

Client: GHD Services Inc.
Project/Site: Shell - Triton West Consent Decree

Job ID: 590-15331-1
SDG: 2555 13th Avenue SW, Seattle, WA

Client Sample ID: MW-301

Date Collected: 06/15/21 11:39
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	16.8		0.400	0.0930	ug/L			06/24/21 23:21	1
Ethylbenzene	8.22		1.00	0.198	ug/L			06/24/21 23:21	1
Toluene	1.03		1.00	0.312	ug/L			06/24/21 23:21	1
Xylenes, Total	1.01	J	3.00	0.442	ug/L			06/24/21 23:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*06/24/21 23:21*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*06/24/21 23:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*06/24/21 23:21*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*06/24/21 23:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	439		150	70.4	ug/L			06/24/21 23:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*68.7 - 141*		*06/24/21 23:21*	*1*

Client Sample ID: MW-302
Date Collected: 06/15/21 13:03
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	20.3		0.400	0.0930	ug/L			06/24/21 23:41	1
Ethylbenzene	61.4		1.00	0.198	ug/L			06/24/21 23:41	1
Toluene	1.93		1.00	0.312	ug/L			06/24/21 23:41	1
Xylenes, Total	10.1		3.00	0.442	ug/L			06/24/21 23:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*06/24/21 23:41*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*06/24/21 23:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*06/24/21 23:41*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*06/24/21 23:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	886		150	70.4	ug/L			06/24/21 23:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*68.7 - 141*		*06/24/21 23:41*	*1*

Client Sample ID: MW-303

Date Collected: 06/15/21 12:09
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	25.8		0.400	0.0930	ug/L			06/25/21 00:02	1
Ethylbenzene	133		100	19.8	ug/L			06/28/21 11:41	100
Toluene	3.43		1.00	0.312	ug/L			06/25/21 00:02	1
Xylenes, Total	8.67		3.00	0.442	ug/L			06/25/21 00:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*06/25/21 00:02*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*06/28/21 11:41*	*100*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*06/25/21 00:02*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*06/28/21 11:41*	*100*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*06/25/21 00:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*06/28/21 11:41*	*100*
Toluene-d8 (Surr)	*95*		*80 - 120*		*06/25/21 00:02*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/28/21 11:41*	*100*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	1940		150	70.4	ug/L			06/25/21 00:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*68.7 - 141*		*06/25/21 00:02*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: Shell - Triton West Consent Decree

Job ID: 590-15331-1
SDG: 2555 13th Avenue SW, Seattle, WA

Client Sample ID: MW-304

Date Collected: 06/15/21 12:39
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**26.3**		0.400	0.0930	ug/L			06/25/21 00:22	1
Ethylbenzene	**0.697**	**J**	1.00	0.198	ug/L			06/25/21 00:22	1
Toluene	ND		1.00	0.312	ug/L			06/25/21 00:22	1
Xylenes, Total	ND		3.00	0.442	ug/L			06/25/21 00:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*06/25/21 00:22*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*06/25/21 00:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*06/25/21 00:22*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*06/25/21 00:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**230**		150	70.4	ug/L			06/25/21 00:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*68.7 - 141*		*06/25/21 00:22*	*1*

Client Sample ID: MW-307

Date Collected: 06/14/21 11:33
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	230		40.0	9.30	ug/L			06/25/21 18:01	100
Ethylbenzene	282		100	19.8	ug/L			06/25/21 18:01	100
Toluene	18.0		1.00	0.312	ug/L			06/25/21 01:04	1
Xylenes, Total	88.5		3.00	0.442	ug/L			06/25/21 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*06/25/21 01:04*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*06/25/21 18:01*	*100*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*06/25/21 01:04*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*06/25/21 18:01*	*100*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*06/25/21 01:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*06/25/21 18:01*	*100*
Toluene-d8 (Surr)	*95*		*80 - 120*		*06/25/21 01:04*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/25/21 18:01*	*100*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	2020		150	70.4	ug/L			06/25/21 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*68.7 - 141*		*06/25/21 01:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	6680		240	110	ug/L		06/28/21 13:07	06/28/21 18:37	1
RRO (C25-C36)	422		400	120	ug/L		06/28/21 13:07	06/28/21 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*89*		*50 - 150*	*06/28/21 13:07*	*06/28/21 18:37*	*1*
n-Triacontane-d62	*96*		*50 - 150*	*06/28/21 13:07*	*06/28/21 18:37*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: Shell - Triton West Consent Decree

Job ID: 590-15331-1
SDG: 2555 13th Avenue SW, Seattle, WA

Client Sample ID: MW-308

Date Collected: 06/14/21 11:02
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	57.2		0.400	0.0930	ug/L			06/25/21 01:24	1
Ethylbenzene	0.975	J	1.00	0.198	ug/L			06/25/21 01:24	1
Toluene	1.39		1.00	0.312	ug/L			06/25/21 01:24	1
Xylenes, Total	1.55	J	3.00	0.442	ug/L			06/25/21 01:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*06/25/21 01:24*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*06/25/21 01:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*06/25/21 01:24*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*06/25/21 01:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	793		150	70.4	ug/L			06/25/21 01:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*68.7 - 141*		*06/25/21 01:24*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: Shell - Triton West Consent Decree

Job ID: 590-15331-1
SDG: 2555 13th Avenue SW, Seattle, WA

Client Sample ID: MW-309

Date Collected: 06/15/21 11:12
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			06/25/21 01:45	1
Ethylbenzene	ND		1.00	0.198	ug/L			06/25/21 01:45	1
Toluene	ND		1.00	0.312	ug/L			06/25/21 01:45	1
Xylenes, Total	ND		3.00	0.442	ug/L			06/25/21 01:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*06/25/21 01:45*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*06/25/21 01:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*06/25/21 01:45*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*06/25/21 01:45*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**150**		150	70.4	ug/L			06/25/21 01:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*68.7 - 141*		*06/25/21 01:45*	*1*

Client: GHD Services Inc.
Project/Site: Shell - Triton West Consent Decree

Job ID: 590-15331-1
SDG: 2555 13th Avenue SW, Seattle, WA

Client Sample ID: MW-310

Date Collected: 06/15/21 13:31
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	28.9		0.400	0.0930	ug/L			06/25/21 02:05	1
Ethylbenzene	3.59		1.00	0.198	ug/L			06/25/21 02:05	1
Toluene	0.421	J	1.00	0.312	ug/L			06/25/21 02:05	1
Xylenes, Total	1.17	J	3.00	0.442	ug/L			06/25/21 02:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*06/25/21 02:05*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*06/25/21 02:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*06/25/21 02:05*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*06/25/21 02:05*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	554		150	70.4	ug/L			06/25/21 02:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*68.7 - 141*		*06/25/21 02:05*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: Shell - Triton West Consent Decree

Job ID: 590-15331-1
SDG: 2555 13th Avenue SW, Seattle, WA

Client Sample ID: MW-312

Date Collected: 06/16/21 08:53
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	47.2		0.400	0.0930	ug/L			06/25/21 02:46	1
Ethylbenzene	2.50		1.00	0.198	ug/L			06/25/21 02:46	1
Toluene	2.14		1.00	0.312	ug/L			06/25/21 02:46	1
Xylenes, Total	1.99	J	3.00	0.442	ug/L			06/25/21 02:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*06/25/21 02:46*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*06/25/21 02:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*06/25/21 02:46*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*06/25/21 02:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	1570		150	70.4	ug/L			06/25/21 02:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*68.7 - 141*		*06/25/21 02:46*	*1*

Client Sample ID: MW-313

Lab Sample ID: 590-15331-13

Date Collected: 06/16/21 08:15

Matrix: Water

Date Received: 06/18/21 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			06/25/21 03:07	1
Ethylbenzene	ND		1.00	0.198	ug/L			06/25/21 03:07	1
Toluene	ND		1.00	0.312	ug/L			06/25/21 03:07	1
Xylenes, Total	ND		3.00	0.442	ug/L			06/25/21 03:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*06/25/21 03:07*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*06/25/21 03:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*06/25/21 03:07*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*06/25/21 03:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		150	70.4	ug/L			06/25/21 03:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*68.7 - 141*		*06/25/21 03:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	**156**	**J**	241	110	ug/L		06/28/21 13:07	06/28/21 18:59	1
RRO (C25-C36)	ND		401	120	ug/L		06/28/21 13:07	06/28/21 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*93*		*50 - 150*	*06/28/21 13:07*	*06/28/21 18:59*	*1*
n-Triacontane-d62	*98*		*50 - 150*	*06/28/21 13:07*	*06/28/21 18:59*	*1*

Client Sample ID: MW-315
Date Collected: 06/16/21 09:25
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-14
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	57.8		0.400	0.0930	ug/L			06/25/21 03:27	1
Ethylbenzene	1.82		1.00	0.198	ug/L			06/25/21 03:27	1
Toluene	4.11		1.00	0.312	ug/L			06/25/21 03:27	1
Xylenes, Total	2.89	J	3.00	0.442	ug/L			06/25/21 03:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*06/25/21 03:27*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*06/25/21 03:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*06/25/21 03:27*	*1*
Toluene-d8 (Surr)	*88*		*80 - 120*		*06/25/21 03:27*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	1660		150	70.4	ug/L			06/25/21 03:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*68.7 - 141*		*06/25/21 03:27*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	3320		244	112	ug/L		06/28/21 13:07	06/28/21 19:21	1
RRO (C25-C36)	218	J	406	122	ug/L		06/28/21 13:07	06/28/21 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*88*		*50 - 150*	*06/28/21 13:07*	*06/28/21 19:21*	*1*
n-Triacontane-d62	*92*		*50 - 150*	*06/28/21 13:07*	*06/28/21 19:21*	*1*

Client: GHD Services Inc.
Project/Site: Shell - Triton West Consent Decree

Job ID: 590-15331-1
SDG: 2555 13th Avenue SW, Seattle, WA

Client Sample ID: TX-03A

Date Collected: 06/16/21 10:01
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	41.6		0.400	0.0930	ug/L			06/25/21 03:47	1
Ethylbenzene	19.2		1.00	0.198	ug/L			06/25/21 03:47	1
Toluene	1.51		1.00	0.312	ug/L			06/25/21 03:47	1
Xylenes, Total	0.832	J	3.00	0.442	ug/L			06/25/21 03:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*06/25/21 03:47*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*06/25/21 03:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*06/25/21 03:47*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*06/25/21 03:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	285		150	70.4	ug/L			06/25/21 03:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*68.7 - 141*		*06/25/21 03:47*	*1*

Client Sample ID: MW-05

Date Collected: 06/15/21 08:51
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-16

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			06/25/21 04:08	1
Ethylbenzene	ND		1.00	0.198	ug/L			06/25/21 04:08	1
Toluene	ND		1.00	0.312	ug/L			06/25/21 04:08	1
Xylenes, Total	ND		3.00	0.442	ug/L			06/25/21 04:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*06/25/21 04:08*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*06/25/21 04:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*06/25/21 04:08*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*06/25/21 04:08*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		150	70.4	ug/L			06/25/21 04:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*68.7 - 141*		*06/25/21 04:08*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	ND		240	110	ug/L		06/28/21 13:07	06/28/21 19:43	1
RRO (C25-C36)	ND		401	120	ug/L		06/28/21 13:07	06/28/21 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*91*		*50 - 150*	*06/28/21 13:07*	*06/28/21 19:43*	*1*
n-Triacontane-d62	*95*		*50 - 150*	*06/28/21 13:07*	*06/28/21 19:43*	*1*

Client: GHD Services Inc.
Project/Site: Shell - Triton West Consent Decree

Job ID: 590-15331-1
SDG: 2555 13th Avenue SW, Seattle, WA

Client Sample ID: MW-111

Date Collected: 06/15/21 07:52
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-17

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.251**	**J**	0.400	0.0930	ug/L			06/25/21 04:50	1
Ethylbenzene	ND		1.00	0.198	ug/L			06/25/21 04:50	1
Toluene	**0.593**	**J**	1.00	0.312	ug/L			06/25/21 04:50	1
Xylenes, Total	**1.00**	**J**	3.00	0.442	ug/L			06/25/21 04:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*06/25/21 04:50*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*06/25/21 04:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*06/25/21 04:50*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*06/25/21 04:50*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**120**	**J**	150	70.4	ug/L			06/25/21 04:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*68.7 - 141*		*06/25/21 04:50*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	ND		233	107	ug/L		06/28/21 13:07	06/28/21 20:05	1
RRO (C25-C36)	ND		389	117	ug/L		06/28/21 13:07	06/28/21 20:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*89*		*50 - 150*	*06/28/21 13:07*	*06/28/21 20:05*	*1*
n-Triacontane-d62	*90*		*50 - 150*	*06/28/21 13:07*	*06/28/21 20:05*	*1*

Client Sample ID: MW-112A
Date Collected: 06/15/21 09:49
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-18
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.07		0.400	0.0930	ug/L			06/25/21 05:10	1
Ethylbenzene	7.02		1.00	0.198	ug/L			06/25/21 05:10	1
Toluene	0.659	J	1.00	0.312	ug/L			06/25/21 05:10	1
Xylenes, Total	1.89	J	3.00	0.442	ug/L			06/25/21 05:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*06/25/21 05:10*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*06/25/21 05:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*06/25/21 05:10*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*06/25/21 05:10*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	976		150	70.4	ug/L			06/25/21 05:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*68.7 - 141*		*06/25/21 05:10*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	2580		244	112	ug/L		06/28/21 13:07	06/28/21 20:26	1
RRO (C25-C36)	161	J	407	122	ug/L		06/28/21 13:07	06/28/21 20:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*88*		*50 - 150*	*06/28/21 13:07*	*06/28/21 20:26*	*1*
n-Triacontane-d62	*91*		*50 - 150*	*06/28/21 13:07*	*06/28/21 20:26*	*1*

Client: GHD Services Inc.
Project/Site: Shell - Triton West Consent Decree

Job ID: 590-15331-1
SDG: 2555 13th Avenue SW, Seattle, WA

Client Sample ID: SH-04

Date Collected: 06/15/21 09:20
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-19

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	5.25		0.400	0.0930	ug/L			06/25/21 05:31	1
Ethylbenzene	2.94		1.00	0.198	ug/L			06/25/21 05:31	1
Toluene	0.511	J	1.00	0.312	ug/L			06/25/21 05:31	1
Xylenes, Total	1.62	J	3.00	0.442	ug/L			06/25/21 05:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*06/25/21 05:31*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*06/25/21 05:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*06/25/21 05:31*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*06/25/21 05:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	472		150	70.4	ug/L			06/25/21 05:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*68.7 - 141*		*06/25/21 05:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	209	J	242	111	ug/L		06/28/21 13:07	06/28/21 20:48	1
RRO (C25-C36)	ND		404	121	ug/L		06/28/21 13:07	06/28/21 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*89*		*50 - 150*	*06/28/21 13:07*	*06/28/21 20:48*	*1*
n-Triacontane-d62	*94*		*50 - 150*	*06/28/21 13:07*	*06/28/21 20:48*	*1*

Client Sample ID: MW-104 Lab Sample ID: 590-15331-20

Date Collected: 06/15/21 08:25 **Matrix: Water**
Date Received: 06/18/21 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	**948**		150	70.4	ug/L			06/25/21 05:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*68.7 - 141*		*06/25/21 05:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	**753**		237	109	ug/L		06/28/21 13:07	06/28/21 21:10	1
RRO (C25-C36)	ND		395	118	ug/L		06/28/21 13:07	06/28/21 21:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*90*		*50 - 150*	*06/28/21 13:07*	*06/28/21 21:10*	*1*
n-Triacontane-d62	*92*		*50 - 150*	*06/28/21 13:07*	*06/28/21 21:10*	*1*

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		60.0	5.10	ug/L		06/29/21 09:25	06/30/21 02:07	1

Client Sample ID: MW-213 Lab Sample ID: 590-15331-21

Date Collected: 06/14/21 12:33 **Matrix: Water**
Date Received: 06/18/21 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			06/25/21 18:22	1
Ethylbenzene	ND		1.00	0.198	ug/L			06/25/21 18:22	1
Toluene	ND		1.00	0.312	ug/L			06/25/21 18:22	1
Xylenes, Total	ND		3.00	0.442	ug/L			06/25/21 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*06/25/21 18:22*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*06/25/21 18:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*06/25/21 18:22*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*06/25/21 18:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		150	70.4	ug/L			06/25/21 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*68.7 - 141*		*06/25/21 18:22*	*1*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.101	0.0142	ug/L		06/19/21 13:14	06/21/21 19:54	1
Acenaphthylene	ND		0.0506	0.00911	ug/L		06/19/21 13:14	06/21/21 19:54	1
Anthracene	ND		0.101	0.0223	ug/L		06/19/21 13:14	06/21/21 19:54	1
Benzo[a]anthracene	ND		0.0506	0.0142	ug/L		06/19/21 13:14	06/21/21 19:54	1
Benzo[a]pyrene	ND		0.101	0.0111	ug/L		06/19/21 13:14	06/21/21 19:54	1
Benzo[b]fluoranthene	ND		0.0506	0.0111	ug/L		06/19/21 13:14	06/21/21 19:54	1
Benzo[g,h,i]perylene	ND		0.0506	0.0122	ug/L		06/19/21 13:14	06/21/21 19:54	1
Benzo[k]fluoranthene	ND		0.0506	0.0122	ug/L		06/19/21 13:14	06/21/21 19:54	1
Chrysene	ND		0.101	0.0162	ug/L		06/19/21 13:14	06/21/21 19:54	1
Dibenz(a,h)anthracene	ND		0.101	0.0152	ug/L		06/19/21 13:14	06/21/21 19:54	1
Fluoranthene	ND		0.203	0.0182	ug/L		06/19/21 13:14	06/21/21 19:54	1
Fluorene	ND		0.101	0.0172	ug/L		06/19/21 13:14	06/21/21 19:54	1
Indeno[1,2,3-cd]pyrene	ND		0.0506	0.0142	ug/L		06/19/21 13:14	06/21/21 19:54	1
1-Methylnaphthalene	ND		0.101	0.0192	ug/L		06/19/21 13:14	06/21/21 19:54	1
2-Methylnaphthalene	**0.0402**	**J**	0.203	0.0395	ug/L		06/19/21 13:14	06/21/21 19:54	1
Naphthalene	**0.0524**	**J**	0.101	0.0314	ug/L		06/19/21 13:14	06/21/21 19:54	1
Phenanthrene	ND		0.101	0.0314	ug/L		06/19/21 13:14	06/21/21 19:54	1
Pyrene	ND		0.101	0.0334	ug/L		06/19/21 13:14	06/21/21 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*98*		*29 - 150*	*06/19/21 13:14*	*06/21/21 19:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	ND		235	108	ug/L		06/28/21 13:07	06/28/21 21:31	1
RRO (C25-C36)	ND		392	118	ug/L		06/28/21 13:07	06/28/21 21:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*87*		*50 - 150*	*06/28/21 13:07*	*06/28/21 21:31*	*1*
n-Triacontane-d62	*88*		*50 - 150*	*06/28/21 13:07*	*06/28/21 21:31*	*1*

Client Sample ID: MW-214

Date Collected: 06/14/21 13:10
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-22

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			06/25/21 18:43	1
Ethylbenzene	ND		1.00	0.198	ug/L			06/25/21 18:43	1
Toluene	ND		1.00	0.312	ug/L			06/25/21 18:43	1
Xylenes, Total	ND		3.00	0.442	ug/L			06/25/21 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*		*06/25/21 18:43*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*06/25/21 18:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*06/25/21 18:43*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/25/21 18:43*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		150	70.4	ug/L			06/25/21 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*68.7 - 141*		*06/25/21 18:43*	*1*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0999	0.0140	ug/L		06/19/21 13:14	06/21/21 20:20	1
Acenaphthylene	ND		0.0499	0.00899	ug/L		06/19/21 13:14	06/21/21 20:20	1
Anthracene	ND		0.0999	0.0220	ug/L		06/19/21 13:14	06/21/21 20:20	1
Benzo[a]anthracene	ND		0.0499	0.0140	ug/L		06/19/21 13:14	06/21/21 20:20	1
Benzo[a]pyrene	ND		0.0999	0.0110	ug/L		06/19/21 13:14	06/21/21 20:20	1
Benzo[b]fluoranthene	ND		0.0499	0.0110	ug/L		06/19/21 13:14	06/21/21 20:20	1
Benzo[g,h,i]perylene	ND		0.0499	0.0120	ug/L		06/19/21 13:14	06/21/21 20:20	1
Benzo[k]fluoranthene	ND		0.0499	0.0120	ug/L		06/19/21 13:14	06/21/21 20:20	1
Chrysene	ND		0.0999	0.0160	ug/L		06/19/21 13:14	06/21/21 20:20	1
Dibenz(a,h)anthracene	ND		0.0999	0.0150	ug/L		06/19/21 13:14	06/21/21 20:20	1
Fluoranthene	ND		0.200	0.0180	ug/L		06/19/21 13:14	06/21/21 20:20	1
Fluorene	ND		0.0999	0.0170	ug/L		06/19/21 13:14	06/21/21 20:20	1
Indeno[1,2,3-cd]pyrene	ND		0.0499	0.0140	ug/L		06/19/21 13:14	06/21/21 20:20	1
1-Methylnaphthalene	ND		0.0999	0.0190	ug/L		06/19/21 13:14	06/21/21 20:20	1
2-Methylnaphthalene	ND		0.200	0.0390	ug/L		06/19/21 13:14	06/21/21 20:20	1
Naphthalene	ND		0.0999	0.0310	ug/L		06/19/21 13:14	06/21/21 20:20	1
Phenanthrene	ND		0.0999	0.0310	ug/L		06/19/21 13:14	06/21/21 20:20	1
Pyrene	ND		0.0999	0.0330	ug/L		06/19/21 13:14	06/21/21 20:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*109*		*29 - 150*	*06/19/21 13:14*	*06/21/21 20:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	**122**	**J**	237	109	ug/L		06/28/21 13:07	06/28/21 21:53	1
RRO (C25-C36)	ND		395	118	ug/L		06/28/21 13:07	06/28/21 21:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*95*		*50 - 150*	*06/28/21 13:07*	*06/28/21 21:53*	*1*
n-Triacontane-d62	*98*		*50 - 150*	*06/28/21 13:07*	*06/28/21 21:53*	*1*

Client: GHD Services Inc.
Project/Site: Shell - Triton West Consent Decree

Job ID: 590-15331-1
SDG: 2555 13th Avenue SW, Seattle, WA

Client Sample ID: TB01
Date Collected: 06/14/21 12:00
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-23
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			06/25/21 19:24	1
Ethylbenzene	ND		1.00	0.198	ug/L			06/25/21 19:24	1
Toluene	ND		1.00	0.312	ug/L			06/25/21 19:24	1
Xylenes, Total	ND		3.00	0.442	ug/L			06/25/21 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*06/25/21 19:24*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*06/25/21 19:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*06/25/21 19:24*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/25/21 19:24*	*1*

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

Lab Sample ID: MB 590-32094/6
Matrix: Water
Analysis Batch: 32094

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			06/24/21 21:16	1
Ethylbenzene	ND		1.00	0.198	ug/L			06/24/21 21:16	1
Toluene	ND		1.00	0.312	ug/L			06/24/21 21:16	1
Xylenes, Total	ND		3.00	0.442	ug/L			06/24/21 21:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*80 - 120*		*06/24/21 21:16*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*06/24/21 21:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*06/24/21 21:16*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/24/21 21:16*	*1*

Lab Sample ID: LCS 590-32094/1003
Matrix: Water
Analysis Batch: 32094

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	10.0	10.09		ug/L		101	80 - 126
Ethylbenzene	10.0	10.33		ug/L		103	80 - 128
m-Xylene & p-Xylene	10.0	10.12		ug/L		101	80 - 127
o-Xylene	10.0	10.02		ug/L		100	80 - 126
Toluene	10.0	9.879		ug/L		99	80 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*
Dibromofluoromethane (Surr)	*103*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: 590-15331-D-2 MS
Matrix: Water
Analysis Batch: 32094

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	1.15		10.0	12.10		ug/L		109	80 - 126
Ethylbenzene	ND		10.0	10.05		ug/L		100	80 - 128
m-Xylene & p-Xylene	ND		10.0	9.691		ug/L		97	80 - 127
o-Xylene	ND		10.0	9.475		ug/L		95	80 - 126
Toluene	ND		10.0	10.77		ug/L		108	80 - 129

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*
Toluene-d8 (Surr)	*96*		*80 - 120*

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

Lab Sample ID: 590-15331-E-2 MSD
Matrix: Water
Analysis Batch: 32094

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	1.15		10.0	12.61		ug/L		115	80 - 126	4	18
Ethylbenzene	ND		10.0	9.836		ug/L		98	80 - 128	2	18
m-Xylene & p-Xylene	ND		10.0	8.982		ug/L		90	80 - 127	8	18
o-Xylene	ND		10.0	9.369		ug/L		94	80 - 126	1	17
Toluene	ND		10.0	10.53		ug/L		105	80 - 129	2	18

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*94*		*80 - 120*

Lab Sample ID: 590-15331-10 DU
Matrix: Water
Analysis Batch: 32094

Client Sample ID: MW-310
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Benzene	28.9			30.08		ug/L				4	18
Ethylbenzene	3.59			3.725		ug/L				4	18
Toluene	0.421	J		0.3740	J	ug/L				12	18
Xylenes, Total	1.17	J		1.193	J	ug/L				2	18

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*
Dibromofluoromethane (Surr)	*106*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*92*		*80 - 120*

Lab Sample ID: MB 590-32104/6
Matrix: Water
Analysis Batch: 32104

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			06/25/21 11:29	1
Ethylbenzene	ND		1.00	0.198	ug/L			06/25/21 11:29	1
Toluene	ND		1.00	0.312	ug/L			06/25/21 11:29	1
Xylenes, Total	ND		3.00	0.442	ug/L			06/25/21 11:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*06/25/21 11:29*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*06/25/21 11:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*06/25/21 11:29*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/25/21 11:29*	*1*

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

Lab Sample ID: LCS 590-32104/4
Matrix: Water
Analysis Batch: 32104

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			10.0	9.749		ug/L		97	80 - 126		
Ethylbenzene			10.0	10.16		ug/L		102	80 - 128		
m-Xylene & p-Xylene			10.0	10.19		ug/L		102	80 - 127		
o-Xylene			10.0	10.07		ug/L		101	80 - 126		
Toluene			10.0	9.970		ug/L		100	80 - 129		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*104*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 590-32104/1003
Matrix: Water
Analysis Batch: 32104

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			10.0	10.84		ug/L		108	80 - 126	11	18
Ethylbenzene			10.0	10.45		ug/L		105	80 - 128	3	18
m-Xylene & p-Xylene			10.0	10.37		ug/L		104	80 - 127	2	18
o-Xylene			10.0	10.43		ug/L		104	80 - 126	4	17
Toluene			10.0	10.29		ug/L		103	80 - 129	3	18

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*
Toluene-d8 (Surr)	*93*		*80 - 120*

Lab Sample ID: 590-15336-H-2 MS
Matrix: Water
Analysis Batch: 32104

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	ND		10.0	10.80		ug/L		108	80 - 126		
Ethylbenzene	ND		10.0	10.40		ug/L		104	80 - 128		
m-Xylene & p-Xylene	ND		10.0	10.35		ug/L		103	80 - 127		
o-Xylene	ND		10.0	10.27		ug/L		103	80 - 126		
Toluene	ND		10.0	10.20		ug/L		102	80 - 129		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*
Dibromofluoromethane (Surr)	*105*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*
Toluene-d8 (Surr)	*94*		*80 - 120*

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

Lab Sample ID: 590-15336-I-2 MSD
Matrix: Water
Analysis Batch: 32104

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		10.0	10.80		ug/L		108	80 - 126	0	18
Ethylbenzene	ND		10.0	11.17		ug/L		112	80 - 128	7	18
m-Xylene & p-Xylene	ND		10.0	10.88		ug/L		109	80 - 127	5	18
o-Xylene	ND		10.0	10.53		ug/L		105	80 - 126	3	17
Toluene	ND		10.0	10.76		ug/L		108	80 - 129	5	18

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*
Dibromofluoromethane (Surr)	*104*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: 590-15336-J-1 DU
Matrix: Water
Analysis Batch: 32104

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Benzene	ND			ND		ug/L				NC	18
Ethylbenzene	ND			ND		ug/L				NC	18
Toluene	ND			ND		ug/L				NC	18
Xylenes, Total	ND			ND		ug/L				NC	18

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Dibromofluoromethane (Surr)	*107*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: MB 590-32135/6
Matrix: Water
Analysis Batch: 32135

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.400	0.0930	ug/L			06/28/21 11:20	1
Ethylbenzene	ND		1.00	0.198	ug/L			06/28/21 11:20	1
Toluene	ND		1.00	0.312	ug/L			06/28/21 11:20	1
Xylenes, Total	ND		3.00	0.442	ug/L			06/28/21 11:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*06/28/21 11:20*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*06/28/21 11:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*06/28/21 11:20*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/28/21 11:20*	*1*

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

Lab Sample ID: LCS 590-32135/4
Matrix: Water
Analysis Batch: 32135

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			10.0	9.873		ug/L		99	80 - 126		
Ethylbenzene			10.0	9.732		ug/L		97	80 - 128		
m-Xylene & p-Xylene			10.0	10.09		ug/L		101	80 - 127		
o-Xylene			10.0	9.904		ug/L		99	80 - 126		
Toluene			10.0	9.749		ug/L		97	80 - 129		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*103*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: LCSD 590-32135/1003
Matrix: Water
Analysis Batch: 32135

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			10.0	10.15		ug/L		101	80 - 126	3	18
Ethylbenzene			10.0	10.08		ug/L		101	80 - 128	4	18
m-Xylene & p-Xylene			10.0	9.979		ug/L		100	80 - 127	1	18
o-Xylene			10.0	10.02		ug/L		100	80 - 126	1	17
Toluene			10.0	9.933		ug/L		99	80 - 129	2	18

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: 590-15355-C-2 DU
Matrix: Water
Analysis Batch: 32135

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Benzene	1.41			1.459		ug/L				4	18
Ethylbenzene	76.1			74.02		ug/L				3	18
Toluene	1.07			1.082		ug/L				1	18
Xylenes, Total	10.6			10.36		ug/L				2	18

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*93*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*92*		*80 - 120*

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

Lab Sample ID: MB 590-32093/6 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 32093

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		150	70.4	ug/L			06/24/21 21:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*68.7 - 141*		*06/24/21 21:16*	*1*

Lab Sample ID: LCS 590-32093/1005 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 32093

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
TPH as Gasoline			1000	1083		ug/L		108	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*68.7 - 141*

Lab Sample ID: LCSD 590-32093/1016 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 32093

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
TPH as Gasoline			1000	1008		ug/L		101	80 - 120	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*68.7 - 141*

Lab Sample ID: 590-15331-1 DU — **Client Sample ID: MW-202**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 32093

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
TPH as Gasoline	1320			1368		ug/L				4	35

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

Lab Sample ID: MB 590-32103/6 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 32103

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		150	70.4	ug/L			06/25/21 11:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*68.7 - 141*		*06/25/21 11:29*	*1*

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

Lab Sample ID: LCS 590-32103/1005 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 32103

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
TPH as Gasoline			1000	1091		ug/L		109	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*68.7 - 141*

Lab Sample ID: LCSD 590-32103/1016 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 32103

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
TPH as Gasoline			1000	1068		ug/L		107	80 - 120	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*68.7 - 141*

Lab Sample ID: 590-15336-J-1 DU — **Client Sample ID: Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 32103

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
TPH as Gasoline	ND			ND		ug/L				NC	35

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*68.7 - 141*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 580-359719/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 359803 — **Prep Batch: 359719**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.100	0.0140	ug/L		06/19/21 13:14	06/21/21 17:20	1
Acenaphthylene	ND		0.0500	0.00900	ug/L		06/19/21 13:14	06/21/21 17:20	1
Anthracene	ND		0.100	0.0220	ug/L		06/19/21 13:14	06/21/21 17:20	1
Benzo[a]anthracene	ND		0.0500	0.0140	ug/L		06/19/21 13:14	06/21/21 17:20	1
Benzo[a]pyrene	ND		0.100	0.0110	ug/L		06/19/21 13:14	06/21/21 17:20	1
Benzo[b]fluoranthene	ND		0.0500	0.0110	ug/L		06/19/21 13:14	06/21/21 17:20	1
Benzo[g,h,i]perylene	ND		0.0500	0.0120	ug/L		06/19/21 13:14	06/21/21 17:20	1
Benzo[k]fluoranthene	ND		0.0500	0.0120	ug/L		06/19/21 13:14	06/21/21 17:20	1
Chrysene	ND		0.100	0.0160	ug/L		06/19/21 13:14	06/21/21 17:20	1
Dibenz(a,h)anthracene	ND		0.100	0.0150	ug/L		06/19/21 13:14	06/21/21 17:20	1
Fluoranthene	ND		0.200	0.0180	ug/L		06/19/21 13:14	06/21/21 17:20	1
Fluorene	ND		0.100	0.0170	ug/L		06/19/21 13:14	06/21/21 17:20	1
Indeno[1,2,3-cd]pyrene	ND		0.0500	0.0140	ug/L		06/19/21 13:14	06/21/21 17:20	1
1-Methylnaphthalene	ND		0.100	0.0190	ug/L		06/19/21 13:14	06/21/21 17:20	1
2-Methylnaphthalene	ND		0.200	0.0390	ug/L		06/19/21 13:14	06/21/21 17:20	1
Naphthalene	ND		0.100	0.0310	ug/L		06/19/21 13:14	06/21/21 17:20	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: MB 580-359719/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 359803 **Prep Batch: 359719**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		0.100	0.0310	ug/L		06/19/21 13:14	06/21/21 17:20	1
Pyrene	ND		0.100	0.0330	ug/L		06/19/21 13:14	06/21/21 17:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*112*		*29 - 150*	*06/19/21 13:14*	*06/21/21 17:20*	*1*

Lab Sample ID: LCS 580-359719/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 359803 **Prep Batch: 359719**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	4.00	2.782		ug/L		70	33 - 120
Acenaphthylene	4.00	2.956		ug/L		74	32 - 120
Anthracene	4.00	3.265		ug/L		82	41 - 120
Benzo[a]anthracene	4.00	3.843		ug/L		96	45 - 129
Benzo[a]pyrene	4.00	3.722		ug/L		93	43 - 130
Benzo[b]fluoranthene	4.00	3.333		ug/L		83	33 - 142
Benzo[g,h,i]perylene	4.00	3.303		ug/L		83	45 - 127
Benzo[k]fluoranthene	4.00	3.100		ug/L		77	41 - 132
Chrysene	4.00	3.071		ug/L		77	47 - 126
Dibenz(a,h)anthracene	4.00	3.682		ug/L		92	47 - 133
Fluoranthene	4.00	3.556		ug/L		89	41 - 137
Fluorene	4.00	2.961		ug/L		74	39 - 120
Indeno[1,2,3-cd]pyrene	4.00	3.673		ug/L		92	51 - 135
1-Methylnaphthalene	4.00	3.014		ug/L		75	29 - 120
2-Methylnaphthalene	4.00	2.936		ug/L		73	33 - 120
Naphthalene	4.00	2.969		ug/L		74	24 - 120
Phenanthrene	4.00	3.017		ug/L		75	37 - 120
Pyrene	4.00	3.613		ug/L		90	39 - 134

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*108*		*29 - 150*

Lab Sample ID: LCSD 580-359719/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 359803 **Prep Batch: 359719**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	4.00	2.500		ug/L		62	33 - 120	11	32
Acenaphthylene	4.00	2.649		ug/L		66	32 - 120	11	34
Anthracene	4.00	3.176		ug/L		79	41 - 120	3	29
Benzo[a]anthracene	4.00	3.790		ug/L		95	45 - 129	1	24
Benzo[a]pyrene	4.00	3.812		ug/L		95	43 - 130	2	27
Benzo[b]fluoranthene	4.00	3.128		ug/L		78	33 - 142	6	25
Benzo[g,h,i]perylene	4.00	3.428		ug/L		86	45 - 127	4	27
Benzo[k]fluoranthene	4.00	3.397		ug/L		85	41 - 132	9	25
Chrysene	4.00	3.189		ug/L		80	47 - 126	4	23
Dibenz(a,h)anthracene	4.00	3.897		ug/L		97	47 - 133	6	25

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCSD 580-359719/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 359803 **Prep Batch: 359719**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoranthene			4.00	3.600		ug/L		90	41 - 137	1	24
Fluorene			4.00	2.719		ug/L		68	39 - 120	9	29
Indeno[1,2,3-cd]pyrene			4.00	3.646		ug/L		91	51 - 135	1	24
1-Methylnaphthalene			4.00	2.783		ug/L		70	29 - 120	8	34
2-Methylnaphthalene			4.00	2.617		ug/L		65	33 - 120	11	35
Naphthalene			4.00	2.680		ug/L		67	24 - 120	10	35
Phenanthrene			4.00	2.930		ug/L		73	37 - 120	3	26
Pyrene			4.00	3.651		ug/L		91	39 - 134	1	24

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Terphenyl-d14	*107*		*29 - 150*

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

Lab Sample ID: MB 590-32139/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 32128 **Prep Batch: 32139**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C25)	ND		240	110	ug/L		06/28/21 13:07	06/28/21 16:26	1
RRO (C25-C36)	ND		400	120	ug/L		06/28/21 13:07	06/28/21 16:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*90*		*50 - 150*	*06/28/21 13:07*	*06/28/21 16:26*	*1*
n-Triacontane-d62	*91*		*50 - 150*	*06/28/21 13:07*	*06/28/21 16:26*	*1*

Lab Sample ID: LCS 590-32139/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 32128 **Prep Batch: 32139**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
DRO (C10-C25)			1600	1123		ug/L		70	50 - 150
RRO (C25-C36)			1600	1467		ug/L		92	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*90*		*50 - 150*
n-Triacontane-d62	*98*		*50 - 150*

Lab Sample ID: LCSD 590-32139/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 32128 **Prep Batch: 32139**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
DRO (C10-C25)			1600	1071		ug/L		67	50 - 150	5	25
RRO (C25-C36)			1600	1624		ug/L		102	50 - 150	10	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*89*		*50 - 150*

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

Lab Sample ID: LCSD 590-32139/3-A
Matrix: Water
Analysis Batch: 32128

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32139

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Triacontane-d62	*87*		*50 - 150*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 590-32148/2-A
Matrix: Water
Analysis Batch: 32166

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 32148

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		60.0	5.10	ug/L		06/29/21 09:25	06/30/21 01:19	1

Lab Sample ID: LCS 590-32148/1-A
Matrix: Water
Analysis Batch: 32166

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 32148

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			1000	1144		ug/L		114	80 - 120		

Lab Sample ID: 590-15320-A-21-C MS
Matrix: Water
Analysis Batch: 32166

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 32148

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead	ND		1000	1146		ug/L		115	75 - 125		

Lab Sample ID: 590-15320-A-21-D MSD
Matrix: Water
Analysis Batch: 32166

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 32148

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	ND		1000	1140		ug/L		114	75 - 125	1	20

Lab Sample ID: 590-15320-A-21-B DU
Matrix: Water
Analysis Batch: 32166

Client Sample ID: Duplicate
Prep Type: Total Recoverable
Prep Batch: 32148

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Lead	ND			ND		ug/L				NC	20

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Shell - Triton West Consent Decree

Job ID: 590-15331-1
SDG: 2555 13th Avenue SW, Seattle, WA

Client Sample ID: MW-202
Date Collected: 06/14/21 14:06
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32093	06/24/21 21:36	JSP	TAL SPK
Total/NA	Prep	3510C			247.6 mL	2 mL	32139	06/28/21 13:07	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32128	06/28/21 17:32	NMI	TAL SPK

Client Sample ID: MW-203
Date Collected: 06/15/21 10:29
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32093	06/24/21 22:18	JSP	TAL SPK
Total/NA	Prep	3510C			243.6 mL	2 mL	32139	06/28/21 13:07	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32128	06/28/21 17:54	NMI	TAL SPK

Client Sample ID: MW-301
Date Collected: 06/15/21 11:39
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32094	06/24/21 23:21	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32093	06/24/21 23:21	JSP	TAL SPK

Client Sample ID: MW-302
Date Collected: 06/15/21 13:03
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32094	06/24/21 23:41	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32093	06/24/21 23:41	JSP	TAL SPK

Client Sample ID: MW-303
Date Collected: 06/15/21 12:09
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32094	06/25/21 00:02	JSP	TAL SPK
Total/NA	Analysis	8260D		100	43 mL	43 mL	32135	06/28/21 11:41	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32093	06/25/21 00:02	JSP	TAL SPK

Client Sample ID: MW-304
Date Collected: 06/15/21 12:39
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32094	06/25/21 00:22	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32093	06/25/21 00:22	JSP	TAL SPK

Client Sample ID: MW-307
Date Collected: 06/14/21 11:33
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32094	06/25/21 01:04	JSP	TAL SPK
Total/NA	Analysis	8260D		100	43 mL	43 mL	32104	06/25/21 18:01	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32093	06/25/21 01:04	JSP	TAL SPK
Total/NA	Prep	3510C			250 mL	2 mL	32139	06/28/21 13:07	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32128	06/28/21 18:37	NMI	TAL SPK

Client Sample ID: MW-308
Date Collected: 06/14/21 11:02
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32094	06/25/21 01:24	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32093	06/25/21 01:24	JSP	TAL SPK

Client Sample ID: MW-309
Date Collected: 06/15/21 11:12
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32094	06/25/21 01:45	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32093	06/25/21 01:45	JSP	TAL SPK

Client Sample ID: MW-310
Date Collected: 06/15/21 13:31
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32094	06/25/21 02:05	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32093	06/25/21 02:05	JSP	TAL SPK

Client Sample ID: MW-312
Date Collected: 06/16/21 08:53
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32094	06/25/21 02:46	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32093	06/25/21 02:46	JSP	TAL SPK

Client Sample ID: MW-313
Date Collected: 06/16/21 08:15
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32094	06/25/21 03:07	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32093	06/25/21 03:07	JSP	TAL SPK

Client Sample ID: MW-313 — Lab Sample ID: 590-15331-13

Date Collected: 06/16/21 08:15 **Matrix: Water**
Date Received: 06/18/21 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			249.2 mL	2 mL	32139	06/28/21 13:07	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32128	06/28/21 18:59	NMI	TAL SPK

Client Sample ID: MW-315 — Lab Sample ID: 590-15331-14

Date Collected: 06/16/21 09:25 **Matrix: Water**
Date Received: 06/18/21 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32094	06/25/21 03:27	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32093	06/25/21 03:27	JSP	TAL SPK
Total/NA	Prep	3510C			246.3 mL	2 mL	32139	06/28/21 13:07	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32128	06/28/21 19:21	NMI	TAL SPK

Client Sample ID: TX-03A — Lab Sample ID: 590-15331-15

Date Collected: 06/16/21 10:01 **Matrix: Water**
Date Received: 06/18/21 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32094	06/25/21 03:47	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32093	06/25/21 03:47	JSP	TAL SPK

Client Sample ID: MW-05 — Lab Sample ID: 590-15331-16

Date Collected: 06/15/21 08:51 **Matrix: Water**
Date Received: 06/18/21 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32094	06/25/21 04:08	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32093	06/25/21 04:08	JSP	TAL SPK
Total/NA	Prep	3510C			249.5 mL	2 mL	32139	06/28/21 13:07	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32128	06/28/21 19:43	NMI	TAL SPK

Client Sample ID: MW-111 — Lab Sample ID: 590-15331-17

Date Collected: 06/15/21 07:52 **Matrix: Water**
Date Received: 06/18/21 16:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32094	06/25/21 04:50	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32093	06/25/21 04:50	JSP	TAL SPK
Total/NA	Prep	3510C			257.2 mL	2 mL	32139	06/28/21 13:07	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32128	06/28/21 20:05	NMI	TAL SPK

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Shell - Triton West Consent Decree

Job ID: 590-15331-1
SDG: 2555 13th Avenue SW, Seattle, WA

Client Sample ID: MW-112A
Date Collected: 06/15/21 09:49
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32094	06/25/21 05:10	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32093	06/25/21 05:10	JSP	TAL SPK
Total/NA	Prep	3510C			245.6 mL	2 mL	32139	06/28/21 13:07	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32128	06/28/21 20:26	NMI	TAL SPK

Client Sample ID: SH-04
Date Collected: 06/15/21 09:20
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32094	06/25/21 05:31	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32093	06/25/21 05:31	JSP	TAL SPK
Total/NA	Prep	3510C			247.7 mL	2 mL	32139	06/28/21 13:07	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32128	06/28/21 20:48	NMI	TAL SPK

Client Sample ID: MW-104
Date Collected: 06/15/21 08:25
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32093	06/25/21 05:51	JSP	TAL SPK
Total/NA	Prep	3510C			253.2 mL	2 mL	32139	06/28/21 13:07	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32128	06/28/21 21:10	NMI	TAL SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	32148	06/29/21 09:25	AMB	TAL SPK
Total Recoverable	Analysis	6010D		1			32166	06/30/21 02:07	AMB	TAL SPK

Client Sample ID: MW-213
Date Collected: 06/14/21 12:33
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32104	06/25/21 18:22	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32103	06/25/21 18:22	JSP	TAL SPK
Total/NA	Prep	3510C			246.9 mL	1 mL	359719	06/19/21 13:14	JBT	FGS SEA
Total/NA	Analysis	8270E SIM		1			359803	06/21/21 19:54	CJ	FGS SEA
Total/NA	Prep	3510C			254.8 mL	2 mL	32139	06/28/21 13:07	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32128	06/28/21 21:31	NMI	TAL SPK

Client Sample ID: MW-214
Date Collected: 06/14/21 13:10
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32104	06/25/21 18:43	JSP	TAL SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	32103	06/25/21 18:43	JSP	TAL SPK

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Shell - Triton West Consent Decree

Job ID: 590-15331-1
SDG: 2555 13th Avenue SW, Seattle, WA

Client Sample ID: MW-214
Date Collected: 06/14/21 13:10
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			250.3 mL	1 mL	359719	06/19/21 13:14	JBT	FGS SEA
Total/NA	Analysis	8270E SIM		1			359803	06/21/21 20:20	CJ	FGS SEA
Total/NA	Prep	3510C			253.2 mL	2 mL	32139	06/28/21 13:07	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			32128	06/28/21 21:53	NMI	TAL SPK

Client Sample ID: TB01
Date Collected: 06/14/21 12:00
Date Received: 06/18/21 16:50

Lab Sample ID: 590-15331-23
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	32104	06/25/21 19:24	JSP	TAL SPK

Laboratory References:

FGS SEA = Eurofins FGS, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

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

Accreditation/Certification Summary

Client: GHD Services Inc. Job ID: 590-15331-1
Project/Site: Shell - Triton West Consent Decree SDG: 2555 13th Avenue SW, Seattle, WA

Laboratory: Eurofins TestAmerica, Spokane

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4137	12-07-21
Washington	State	C569	01-06-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
NWTPH-Dx	3510C	Water	RRO (C25-C36)

Laboratory: Eurofins FGS, Seattle

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	WA100007	11-05-21
Washington	State	C788	07-13-21

Method Summary

Client: GHD Services Inc.
Project/Site: Shell - Triton West Consent Decree

Job ID: 590-15331-1
SDG: 2555 13th Avenue SW, Seattle, WA

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL SPK
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC/MS)	NWTPH	TAL SPK
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	FGS SEA
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	TAL SPK
6010D	Metals (ICP)	SW846	TAL SPK
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL SPK
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	FGS SEA
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL SPK
5030C	Purge and Trap	SW846	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:

FGS SEA = Eurofins FGS, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

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

Shell Oil Products US Chain Of Custody Record

AECOM

7/1/2021

LAB (LOCATION)
- [ ] ACCUTEST (_____)
- [ ] CALSCIENCE (_____)
- [x] TESTAMERICA (_____)
- [ ] Other (_____)

Lab Vendor # Dropdown

Please Check Appropriate Box:
- [ ] SGW FDG
- [ ] PIPELINE
- [ ] RETAIL
- [ ] CHEMICALS
- [ ] CONSULTANT
- [ ] LUBES
- [ ] TRANSPORTATION
- [ ] OTHER

Print Bill To Contact Name:

PO #

PlaNet Site or Project ID

GSAP Project ID

- [ ] CHECK IF NO INCIDENT # APPLIES

DATE: 6/14 - 6/16/21

PAGE: 1 of 3

SAMPLING COMPANY: Blaine Tech Services, Inc

LOG CODE: BTSS

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

PROJECT CONTACT (Hardcopy or PDF Report to): Jacquelyn England

TELEPHONE: (707)523-1010

FAX:

Bill To Contact E-MAIL: jacquelyn.england@ghd.com

SITE ADDRESS: Street and City: 2555 13th Avenue

State: WA

GHD Project / Task Number: 11218519

EDF DELIVERABLE TO (Name, Company, Office Location): Jacquelyn England, GHD, Santa Rosa

PHONE NO: (707)523-1010

E-MAIL: jacquelyn.england@ghd.com

AECOM Other ID

SAMPLER NAME(S) (Print): Foster Kaetzel

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
- [x] STANDARD (14 DAY)
- [ ] 5 DAYS
- [ ] 3 DAYS
- [ ] 2 DAYS
- [ ] 24 HOURS
- [ ] RESULTS NEEDED ON WEEKEND

- [ ] LA - RWQCB REPORT FORMAT
- [ ] UST AGENCY:

DELIVERABLES:
- [ ] LEVEL 1
- [ ] LEVEL 2
- [ ] LEVEL 3
- [ ] LEVEL 4
- [ ] OTHER (SPECIFY)

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

SPECIAL INSTRUCTIONS OR NOTES :
- [ ] SHELL CONTRACT RATE APPLIES
- [ ] STATE REIMBURSEMENT RATE APPLIES
- [ ] EDD NOT NEEDED
- [ ] RECEIPT VERIFICATION REQUESTED
- [ ] PROVIDE LEDD DISK

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	UNIT COST: 8260C BTEX	NWTPH-Dx	8270D SIM PAHs	300.0 Sulfate	NON-UNIT COST: NWTPH-Gx	6020A Total Lead	353.2 Nitrate & Nitrite	6020A Diss. Iron & Manganese (lab filtered)	300.0 Chloride	2320B Alkalinity	FIELD NOTES: Container PID Readings or Laboratory Notes
	MW-202	6/14	1406	W	6					6		X			X						
	MW-203	6/15	1029	W	6					6		X			X						
	MW-301	6/15	1139	W	4					4	X				X						
	MW-302	6/15	1303	W	4					4	X				X						
	MW-303	6/15	1209	W	4					4	X				X						
	MW-304	6/15	1239	W	4					4	X				X						
	MW-307	6/14	1133	W	6					6	X	X			X						
	MW-308	6/14	1102	W	4					4	X				X						
	MW-309	6/15	1112	W	4					4	X				X						
	MW-310	6/15	1331	W	4					4	X				X						

590-15331 Chain of Custody

	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Shipped via Fed Ex	6/16/21	1400
Relinquished by: (Signature)	Mattaroa	6/17/21	16:50
Relinquished by: (Signature)			

0.8°C

2.3°C

Version: 14Dec15

Shell Oil Products US Chain Of Custody Record

AECOM

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

Lab Vendor # Dropdown

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

Print Bill To Contact Name:

PO #

PlaNet Site or Project ID

GSAP Project ID

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 6/14 + 6/16/21

PAGE: 2 of 3

SAMPLING COMPANY: Blaine Tech Services, Inc

LOG CODE: BTSS

SITE ADDRESS: Street and City: 2555 13th Avenue

State: WA

GHD Project / Task Number: 11218519

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

EDF DELIVERABLE TO (Name, Company, Office Location): Jacquelyn England, GHD, Santa Rosa

PHONE NO.: (707)523-1010

E-MAIL: jacquelyn.england@ghd.com

AECOM Other ID

PROJECT CONTACT (Hardcopy or PDF Report to): Jacquelyn England

TELEPHONE: (707)523-1010

FAX:

Bill To Contact E-MAIL: jacquelyn.england@ghd.com

SAMPLER NAME(S) (Print): Foster Koetzel

LAB USE ONLY

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

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

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

SPECIAL INSTRUCTIONS OR NOTES :
- ☐ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☐ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

UNIT COST: 8260C BTEX; NWTPH-Dx; 8270D SIM PAHs; 300.0 Sulfate

NON-UNIT COST: NWTPH-Gx; 6020A Total Lead; 353.2 Nitrate & Nitrite; 6020A Diss. Iron & Manganese (lab filtered); 300.0 Chloride; 2320B Alkalinity

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	8260C BTEX	NWTPH-Dx	8270D SIM PAHs	300.0 Sulfate	NWTPH-Gx	6020A Total Lead	353.2 Nitrate & Nitrite	6020A Diss. Iron & Manganese (lab filtered)	300.0 Chloride	2320B Alkalinity
	MW-311																			
	MW-312	6/16	0853	W	4					4	X				X					
	MW-313	6/16	0815	W	6					6	X	X			X					
	~~MW-314~~																			
	MW-315	6/16	0925		6					6	X	X			X					
	TX-03A	6/16	1001	W	4					4	X				X					
	MW-05	6/15	0851	W	6					6	X	X			X					
	MW-111	6/15	0752	W	6					6	X	X			X					
	MW-112A	6/15	0949	W	6					6	X	X			X					
	SH-04	6/15	0920	W	6					6	X	X			X					

Relinquished by: (Signature)	Received by: (Signature) Shipped via Fed Ex	Date: 6/16/21	Time: 1400
Relinquished by: (Signature)	Received by: (Signature) Mariaelena	Date: 6/17/21	Time: 16:50
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 14Dec15

0.8°C 2.3°C

7/1/2021

Shell Oil Products US Chain Of Custody Record

AECOM

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

Lab Vendor # Dropdown

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

Print Bill To Contact Name:

PO #

PlaNet Site or Project ID

GSAP Project ID

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 6/14-6/16/21

PAGE: 3 of 3

SAMPLING COMPANY: Blaine Tech Services, Inc

LOG CODE: BTSS

SITE ADDRESS: Street and City: 2555 13th Avenue

State: WA

GHD Project / Task Number: 11218519

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

EDF DELIVERABLE TO (Name, Company, Office Location): Jacquelyn England, GHD, Santa Rosa

PHONE NO.: (707)523-1010

E-MAIL: jacquelyn.england@ghd.com

AECOM Other ID

PROJECT CONTACT (Hardcopy or PDF Report to): Jacquelyn England

TELEPHONE: (707)523-1010

FAX:

Bill To Contact E-MAIL: jacquelyn.england@ghd.com

SAMPLER NAME(S) (Print): Foster Kaetzel

LAB USE ONLY

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

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

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

SPECIAL INSTRUCTIONS OR NOTES :
- ☐ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☐ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	UNIT COST: 8260C BTEX	NWTPH-Dx	8270D SIM PAHs	300.0 Sulfate	NON-UNIT COST: NWTPH-Gx	6020A Total Lead	353.2 Nitrate & Nitrite	6020A Diss. Iron & Manganese (lab filtered)	300.0 Chloride	2320B Alkalinity	FIELD NOTES: Container PID Readings or Laboratory Notes
	MW-104	6/15	0825	W	6	1				7		X			X	X					
	MW-213	6/14	1233	W	6			2		8	X	X	X		X						
	MW-214	6/14	1310	W	6			2		8	X	X	X		X						
	TB01	6/14	1200	W	2					2	X										

Relinquished by: (Signature) [signature]

Received by: (Signature) Shipped via Fed Ex

Date: 6/16/21 Time: 1400

Relinquished by: (Signature)

Received by: (Signature) [signature]

Date: 6/17/21 Time: 1650

Relinquished by: (Signature)

Received by: (Signature)

Date: Time:

Version: 14Dec15

0.8°C 2.3°C

7/1/2021

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

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Cisneros, Roxanne	Carrier Tracking No(s):	COC No: 590-6077.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: roxanne.cisneros@Eurofinset.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Frontier Global Sciences LLC		Accreditations Required (See note): NELAP - Oregon; State - Washington; State Program - Was ...		Job #: 590-15331-1
Address: 5755 8th Street East,	Due Date Requested: 7/1/2021			
City: Tacoma	TAT Requested (days):			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel) 425-420-9210(Fax)	PO #:			
Email:	WO #:			
Project Name: Shell - Triton West Consent Decree	Project #: 59002120			
Site:	SSOW#:			

Preservation Codes:

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

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270E_SIM/3510C_LV1 (MOD) Custom PAH LV1	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-213 (590-15331-21)	6/14/21	12:33 Pacific		Water			X	2	
MW-214 (590-15331-22)	6/14/21	13:10 Pacific		Water			X	2	

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

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

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Manuel Rodriguez	6/18/21 15:18	FedEx		6/19/21 0930	EFGS
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

IR9 = 1.6 / 1.6

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 590-15331-1
SDG Number: 2555 13th Avenue SW, Seattle, WA

Login Number: 15331
List Number: 1
Creator: O'Toole, Maria C

List Source: Eurofins TestAmerica, Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	421743 421742
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.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 590-15331-1
SDG Number: 2555 13th Avenue SW, Seattle, WA

Login Number: 15331
List Number: 2
Creator: Vallelunga, Diana L

List Source: Eurofins FGS, Seattle
List Creation: 06/19/21 11:19 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Attachment B

Data Quality Review Report

Technical Memorandum

July 09, 2021

To	Jacquelyn England	**Tel**	1 206 914 3141
Copy to	Jeff Gaarder	**Email**	Jeffrey.Cloud@ghd.com
From	Jeffrey Cloud/eew/4-NF	**Ref. No.**	11218519
Subject	**Analytical Results and Reduced Validation of Report J15331 Quarterly Groundwater Sampling Shell International Petroleum – Triton West Consent Decree Seattle, Washington June 2021**		

1. Introduction

This document details a reduced validation of analytical results for groundwater samples collected in support of the Quarterly Groundwater Sampling at the Triton West Consent Decree site in Seattle, Washington during June 2021. Samples were submitted to Eurofins TestAmerica, located in Spokane, Washington. A sample collection and analysis summary is presented in Table 1. A summary of the analytical methodology is presented in Table 2. The validated analytical results are summarized in Table 3.

Standard GHD report deliverables were submitted by the laboratory. The final results and supporting quality assurance/quality control (QA/QC) data were assessed. Evaluation of the data was based on information obtained from the chain of custody forms, finished report forms, method blank data, laboratory duplicate data, recovery data from surrogate spikes, laboratory control samples and field QC samples.

The QA/QC criteria by which these data have been assessed are outlined in the analytical methods referenced in Table 2 and applicable guidance from the documents entitled:

1. "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", United States Environmental Protection Agency (USEPA) 540 R 2016 002, September 2016
2. "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review", USEPA 540 R 2016 001, September 2016

These items will subsequently be referred to as the "Guidelines" in this Memorandum.

2. Sample Holding Time and Preservation

The sample holding time criteria and sample preservation requirements for the analyses are summarized in the methods. The sample chain of custody documents and analytical report were used to determine sample holding times. All samples were prepared and analyzed within the required holding times.

All sample containers were properly preserved, delivered on ice and stored by the laboratory at the required temperature (0-6°C).

3. Laboratory Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation.

4. Surrogate Spike Recoveries

In accordance with the methods employed, all samples, blanks, and QC samples analyzed for organics are spiked with surrogate compounds prior to sample extraction and/or analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices. Due to necessary sample dilutions, surrogate recoveries were not assessed for some samples.

All samples submitted for volatile organic compound (VOC), semivolatile organic compound (SVOC), gasoline range organics (GRO) and diesel range organics (DRO)/motor oil range organics (ORO) analysis were spiked with the appropriate number of surrogate compounds prior to sample extraction and/or analysis.

Surrogate recoveries were assessed against the control limits. All surrogate recoveries met the associated criteria.

5. Laboratory Control Sample Analyses

Laboratory control samples (LCS)/laboratory control sample duplicates (LCSD) are prepared and analyzed as samples to assess the analytical efficiencies of the methods employed, independent of sample matrix effects. The relative percent difference (RPD) of the LCS/LCSD recoveries is used to evaluate analytical precision.

For this study, LCS or LCS/LCSD were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

5.1 Organic Analyses

The LCS and LCS/LCSD contained all analytes of interest. All LCS and LCS/LCSD recoveries and RPDs were within associated control limits, demonstrating acceptable analytical accuracy and precision (where applicable).

5.2 Inorganic Analyses

The LCS contained the analyte of interest. LCS recovery was assessed per the "Guidelines". The LCS recovery was within the control limits, demonstrating acceptable analytical accuracy.

6. Duplicate Sample Analyses

Analytical precision is evaluated based on the analysis of laboratory duplicate samples. For this study, duplicate samples were prepared and analyzed by the laboratory as specified in Table 1. The duplicate results were evaluated per the "Guidelines". All duplicate analyses performed were acceptable, demonstrating acceptable analytical precision.

7. Field QA/QC Samples

The field QA/QC consisted of one trip blank sample.

To evaluate contamination from sample collection, transportation, storage, and analytical activities, one trip blank was submitted to the laboratory for analysis. All results were non-detect for the analytes of interest.

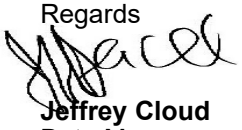
8. Analyte Reporting

The laboratory reported detected results down to the laboratory's method detection limit (MDL) for each analyte. Positive analyte detections less than the reporting limit (RL) but greater than the MDL were reported as estimated (J) in Table 3. Non-detect results were presented as non-detect at the RL in Table 3.

9. Conclusion

Based on the assessment detailed in the foregoing, the summarized data are acceptable without qualification.

Regards



Jeffrey Cloud
Data Management Team – Data Validator

Table 1

Sample Collection and Analysis Summary
Quarterly Groundwater Sampling
Shell International Petroleum - Triton West Consent Decree
Seattle, Washington
June 2021

					Analysis/Parameters					
Sample Identification	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**DRO/ORO**	**GRO**	**Lead**	**VOCs**	**SVOCs**	**Comments**
MW-05	MW-05	Water	06/15/2021	08:51	X	X		X		
MW-104	MW-104	Water	06/15/2021	08:25	X	X	X			
MW-111	MW-111	Water	06/15/2021	07:52	X	X		X		
MW-112A	MW-112A	Water	06/15/2021	09:49	X	X		X		
MW-202	MW-202	Water	06/14/2021	14:06	X	X				DUP
MW-203	MW-203	Water	06/15/2021	10:29	X	X				
MW-213	MW-213	Water	06/14/2021	12:33	X	X		X	X	
MW-214	MW-214	Water	06/14/2021	13:10	X	X		X	X	
MW-301	MW-301	Water	06/15/2021	11:39		X		X		
MW-302	MW-302	Water	06/15/2021	13:03		X		X		
MW-303	MW-303	Water	06/15/2021	12:09		X		X		
MW-304	MW-304	Water	06/15/2021	12:39		X		X		
MW-307	MW-307	Water	06/14/2021	11:33	X	X		X		
MW-308	MW-308	Water	06/14/2021	11:02		X		X		
MW-309	MW-309	Water	06/15/2021	11:12		X		X		
MW-310	MW-310	Water	06/15/2021	13:31		X		X		DUP
MW-312	MW-312	Water	06/16/2021	08:53		X		X		
MW-313	MW-313	Water	06/16/2021	08:15	X	X		X		
MW-315	MW-315	Water	06/16/2021	09:25	X	X		X		
SH-04	SH-04	Water	06/15/2021	09:20	X	X		X		
TB01	--	Water	06/14/2021	--				X		TRIP BLANK
TX-03A	TX-03A	Water	06/16/2021	10:01		X		X		

Notes:

DUP - Laboratory Duplicate
VOCs - Volatile Organic Compounds
SVOCs - Semivolatile Organic Compounds
GRO - Gasoline Range Organics
DRO/ORO - Diesel Range Organics/Motor Oil Range Organics
"--" - Not Applicable

Table 2

Analytical Methods
Quarterly Groundwater Sampling
Shell International Petroleum - Triton West Consent Decree
Seattle, Washington
June 2021

Parameter	Method	Matrix
Volatile Organic Compounds (VOCs)	SW-846 8260D[(1)]	Water
Semivolatile Organic Compounds (SVOCs)	SW-846 8270E SIM[(1)]	Water
Gasoline Range Organics (GRO)	NWTPH-Gx[(2)]	Water
Diesel Range Organics (DRO)/Motor Oil Range Organics (ORO)	NWTPH-Dx[(2)]	Water
Lead	SW-846 6010D[(1)]	Water

Notes:

(1) - SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions

(2) - NWTPH - Referenced from "Washington State Department of Ecology Analytical Methods for Petroleum Hydrocarbons", Publication No. ECY 97-602, June 1997

Table 3

Analytical Results Summary
Quarterly Groundwater Sampling
Shell International Petroleum - Triton West Consent Decree
Seattle, Washington
June 2021

Location ID:		MW-05	MW-104	MW-111	MW-112A	MW-202	MW-203	MW-213
Sample Name:		MW-05	MW-104	MW-111	MW-112A	MW-202	MW-203	MW-213
Sample Date:		06/15/2021	06/15/2021	06/15/2021	06/15/2021	06/14/2021	06/15/2021	06/14/2021
Parameters	**Unit**							
Volatile Organic Compounds								
Benzene	µg/L	0.400 U	--	0.251 J	2.07	--	--	0.400 U
Ethylbenzene	µg/L	1.00 U	--	1.00 U	7.02	--	--	1.00 U
Toluene	µg/L	1.00 U	--	0.593 J	0.659 J	--	--	1.00 U
Xylenes (total)	µg/L	3.00 U	--	1.00 J	1.89 J	--	--	3.00 U
Semi-volatile Organic Compounds, SIM								
1-Methylnaphthalene	µg/L	--	--	--	--	--	--	0.101 U
2-Methylnaphthalene	µg/L	--	--	--	--	--	--	0.0402 J
Acenaphthene	µg/L	--	--	--	--	--	--	0.101 U
Acenaphthylene	µg/L	--	--	--	--	--	--	0.0506 U
Anthracene	µg/L	--	--	--	--	--	--	0.101 U
Benzo(a)anthracene	µg/L	--	--	--	--	--	--	0.0506 U
Benzo(a)pyrene	µg/L	--	--	--	--	--	--	0.101 U
Benzo(b)fluoranthene	µg/L	--	--	--	--	--	--	0.0506 U
Benzo(g,h,i)perylene	µg/L	--	--	--	--	--	--	0.0506 U
Benzo(k)fluoranthene	µg/L	--	--	--	--	--	--	0.0506 U
Chrysene	µg/L	--	--	--	--	--	--	0.101 U
Dibenz(a,h)anthracene	µg/L	--	--	--	--	--	--	0.101 U
Fluoranthene	µg/L	--	--	--	--	--	--	0.203 U
Fluorene	µg/L	--	--	--	--	--	--	0.101 U
Indeno(1,2,3-cd)pyrene	µg/L	--	--	--	--	--	--	0.0506 U
Naphthalene	µg/L	--	--	--	--	--	--	0.0524 J
Phenanthrene	µg/L	--	--	--	--	--	--	0.101 U
Pyrene	µg/L	--	--	--	--	--	--	0.101 U

Table 3

Analytical Results Summary
Quarterly Groundwater Sampling
Shell International Petroleum - Triton West Consent Decree
Seattle, Washington
June 2021

Location ID:		**MW-05**	**MW-104**	**MW-111**	**MW-112A**	**MW-202**	**MW-203**	**MW-213**
Sample Name:		**MW-05**	**MW-104**	**MW-111**	**MW-112A**	**MW-202**	**MW-203**	**MW-213**
Sample Date:		**06/15/2021**	**06/15/2021**	**06/15/2021**	**06/15/2021**	**06/14/2021**	**06/15/2021**	**06/14/2021**
Parameters	**Unit**							
Metals								
Lead	µg/L	--	60.0 U	--	--	--	--	--
Total Petroleum Hydrocarbons - Extractable (DRO)								
Gasoline	µg/L	150 U	948	120 J	976	1320	150 U	150 U
Motor oil	µg/L	401 U	395 U	389 U	161 J	327 J	267 J	392 U
Total Petroleum Hydrocarbons - Extractable (DRO)	µg/L	240 U	753	233 U	2580	4520	246 U	235 U

Table 3

Analytical Results Summary
Quarterly Groundwater Sampling
Shell International Petroleum - Triton West Consent Decree
Seattle, Washington
June 2021

Location ID:		MW-214	MW-301	MW-302	MW-303	MW-304	MW-307	MW-308
Sample Name:		MW-214	MW-301	MW-302	MW-303	MW-304	MW-307	MW-308
Sample Date:		06/14/2021	06/15/2021	06/15/2021	06/15/2021	06/15/2021	06/14/2021	06/14/2021
Parameters	**Unit**							
Volatile Organic Compounds								
Benzene	µg/L	0.400 U	16.8	20.3	25.8	26.3	230	57.2
Ethylbenzene	µg/L	1.00 U	8.22	61.4	133	0.697 J	282	0.975 J
Toluene	µg/L	1.00 U	1.03	1.93	3.43	1.00 U	18.0	1.39
Xylenes (total)	µg/L	3.00 U	1.01 J	10.1	8.67	3.00 U	88.5	1.55 J
Semi-volatile Organic Compounds, SIM								
1-Methylnaphthalene	µg/L	0.0999 U	--	--	--	--	--	--
2-Methylnaphthalene	µg/L	0.200 U	--	--	--	--	--	--
Acenaphthene	µg/L	0.0999 U	--	--	--	--	--	--
Acenaphthylene	µg/L	0.0499 U	--	--	--	--	--	--
Anthracene	µg/L	0.0999 U	--	--	--	--	--	--
Benzo(a)anthracene	µg/L	0.0499 U	--	--	--	--	--	--
Benzo(a)pyrene	µg/L	0.0999 U	--	--	--	--	--	--
Benzo(b)fluoranthene	µg/L	0.0499 U	--	--	--	--	--	--
Benzo(g,h,i)perylene	µg/L	0.0499 U	--	--	--	--	--	--
Benzo(k)fluoranthene	µg/L	0.0499 U	--	--	--	--	--	--
Chrysene	µg/L	0.0999 U	--	--	--	--	--	--
Dibenz(a,h)anthracene	µg/L	0.0999 U	--	--	--	--	--	--
Fluoranthene	µg/L	0.200 U	--	--	--	--	--	--
Fluorene	µg/L	0.0999 U	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	µg/L	0.0499 U	--	--	--	--	--	--
Naphthalene	µg/L	0.0999 U	--	--	--	--	--	--
Phenanthrene	µg/L	0.0999 U	--	--	--	--	--	--
Pyrene	µg/L	0.0999 U	--	--	--	--	--	--

Table 3

Analytical Results Summary
Quarterly Groundwater Sampling
Shell International Petroleum - Triton West Consent Decree
Seattle, Washington
June 2021

Location ID:		**MW-214**	**MW-301**	**MW-302**	**MW-303**	**MW-304**	**MW-307**	**MW-308**
Sample Name:		**MW-214**	**MW-301**	**MW-302**	**MW-303**	**MW-304**	**MW-307**	**MW-308**
Sample Date:		**06/14/2021**	**06/15/2021**	**06/15/2021**	**06/15/2021**	**06/15/2021**	**06/14/2021**	**06/14/2021**
Parameters	**Unit**							
Metals								
Lead	µg/L	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons - Extractable (DRO)								
Gasoline	µg/L	150 U	439	886	1940	230	2020	793
Motor oil	µg/L	395 U	--	--	--	--	422	--
Total Petroleum Hydrocarbons - Extractable (DRO)	µg/L	122 J	--	--	--	--	6680	--

Table 3

Analytical Results Summary
Quarterly Groundwater Sampling
Shell International Petroleum - Triton West Consent Decree
Seattle, Washington
June 2021

Location ID:		MW-309	MW-310	MW-312	MW-313	MW-315	SH-04	TX-03A
Sample Name:		MW-309	MW-310	MW-312	MW-313	MW-315	SH-04	TX-03A
Sample Date:		06/15/2021	06/15/2021	06/16/2021	06/16/2021	06/16/2021	06/15/2021	06/16/2021
Parameters	**Unit**							
Volatile Organic Compounds								
Benzene	µg/L	0.400 U	28.9	47.2	0.400 U	57.8	5.25	41.6
Ethylbenzene	µg/L	1.00 U	3.59	2.50	1.00 U	1.82	2.94	19.2
Toluene	µg/L	1.00 U	0.421 J	2.14	1.00 U	4.11	0.511 J	1.51
Xylenes (total)	µg/L	3.00 U	1.17 J	1.99 J	3.00 U	2.89 J	1.62 J	0.832 J
Semi-volatile Organic Compounds, SIM								
1-Methylnaphthalene	µg/L	--	--	--	--	--	--	--
2-Methylnaphthalene	µg/L	--	--	--	--	--	--	--
Acenaphthene	µg/L	--	--	--	--	--	--	--
Acenaphthylene	µg/L	--	--	--	--	--	--	--
Anthracene	µg/L	--	--	--	--	--	--	--
Benzo(a)anthracene	µg/L	--	--	--	--	--	--	--
Benzo(a)pyrene	µg/L	--	--	--	--	--	--	--
Benzo(b)fluoranthene	µg/L	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	µg/L	--	--	--	--	--	--	--
Benzo(k)fluoranthene	µg/L	--	--	--	--	--	--	--
Chrysene	µg/L	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	µg/L	--	--	--	--	--	--	--
Fluoranthene	µg/L	--	--	--	--	--	--	--
Fluorene	µg/L	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	µg/L	--	--	--	--	--	--	--
Naphthalene	µg/L	--	--	--	--	--	--	--
Phenanthrene	µg/L	--	--	--	--	--	--	--
Pyrene	µg/L	--	--	--	--	--	--	--

Table 3

Analytical Results Summary
Quarterly Groundwater Sampling
Shell International Petroleum - Triton West Consent Decree
Seattle, Washington
June 2021

Location ID:		**MW-309**	**MW-310**	**MW-312**	**MW-313**	**MW-315**	**SH-04**	**TX-03A**
Sample Name:		**MW-309**	**MW-310**	**MW-312**	**MW-313**	**MW-315**	**SH-04**	**TX-03A**
Sample Date:		**06/15/2021**	**06/15/2021**	**06/16/2021**	**06/16/2021**	**06/16/2021**	**06/15/2021**	**06/16/2021**
Parameters	**Unit**							
Metals								
Lead	µg/L	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons - Extractable (DRO)								
Gasoline	µg/L	150	554	1570	150 U	1660	472	285
Motor oil	µg/L	--	--	--	401 U	218 J	404 U	--
Total Petroleum Hydrocarbons - Extractable (DRO)	µg/L	--	--	--	156 J	3320	209 J	--

Notes:

"--" - Not analyzed
DRO - Diesel Range Organics
J - Estimated concentration
SIM - Selective Ion Monitoring
U - Not detected at the associated reporting limit