

Our ref: 11218519

November 15, 2024

Mr. Vance Atkins  
Washington Department of Ecology  
Northwest Regional Office  
15700 Dayton Ave. N.  
Shoreline, WA 98133

**Quarterly Progress Report  
Shell Harbor Island Terminal  
Seattle, Washington**

Dear Mr. Atkins:

GHD Services Inc. (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) Model Toxics Control Act remedial action in accordance with Consent Decree No. 99-2-07176-0SEA Section XI. This progress report covers the period from July 1, 2024, to September 30, 2024.

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 July 11, August 15, and September 18, 2024, within the Shoreline Manifold Area. Monitoring wells MW-210 and MW-212 have absorbent socks that are checked during each monitoring event. The sock in monitoring well MW-210 was changed during the July, August, and September events, and the sock in MW-212 was only changed during the September event. Measurable free product was not detected in wells MW-208, MW-210, MW-211, or MW-212 during the monthly gauging events.
- The third quarter 2024 groundwater monitoring and sampling event was conducted on September 18 and 19, 2024, in accordance with the groundwater monitoring program as shown on Table 2.
- Monitoring wells gauged during this event included:
  - TX-03A Area Excluding the North Tank Farm: MW-101, MW-102, MW-301 through MW-304, MW-307 through MW-315, TES-MW-1, and TX-03A.
  - TX-03A Area North Tank Farm: MW-201 through MW-204 and MW-206A.
  - Shoreline Manifold Area: MW-208 and MW-210 through MW-212.

- Monitoring wells sampled during this event included:
  - TX-03A Area Excluding the North Tank Farm: MW-301 through MW-304, MW-307, MW-308, MW-310 through MW-315, and TX-03A.

## **2. Deviations from Required Tasks Not Otherwise Documented**

### **2.1 TX-03A Area Bio-Sparge System**

Construction of a bio-sparging system was completed in May 2017, and the system started on May 25, 2017. The bio-sparging system was shut off December 6, 2019, and rebound testing was initiated. Wells evaluated for rebound testing during the third quarter 2024 include MW-301 through MW-304, MW-307, MW-308, MW-310 through MW-315, and TX-03A. Benzene concentrations in the wells within the bio-sparging area during the September 2024 event remained below the cleanup level, except for wells MW-302, MW-303, MW-304, and TX-03A. Total petroleum hydrocarbons (TPH) as gasoline (TPHg) exceeded the cleanup level in wells MW-301 through MW-304, MW-307, MW-310 through MW-312, MW-315, and TX-03A.

TPHg concentrations in all wells sampled generally remain below or within the range of concentrations reported between 2012 and 2016, prior to system operation, except for wells MW-311, MW-312, and MW-315. The reported concentrations of TPHg in wells MW-311 (2.80 milligrams per liter [mg/L]), MW-312 (2.98 mg/L), and MW-315 (3.51 mg/L) are less than the previous two sampling events, but greater than the majority of other reported TPHg concentrations since the installation of these wells.

Concentrations in wells MW-311, MW-312, and MW-315 may continue to fluctuate and decrease as treated groundwater from the remediation system travels downgradient from the treatment area. Based on these results, GHD does not recommend restarting the bio-sparge system and will continue to conduct rebound monitoring to further assess concentration trends.

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

No deviations are currently planned for the fourth quarter 2024.

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

No deviations are currently planned for the fourth quarter 2024.

## **5. All Raw Data (including laboratory analysis) Received by Shell during the Post 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 third quarter 2024 are included with the historical data on Tables 3 through 7. New groundwater data from the third quarter 2024 monitoring events are highlighted on these tables in yellow.
- The laboratory report for the third quarter 2024 monitoring event is included in Attachment 1.
- Groundwater samples were analyzed for one or more of the following during the third quarter 2024 groundwater monitoring event, in accordance with Table 2:
  - Volatile organic compounds: benzene, toluene, ethylbenzene and xylenes.
  - TPHg, TPH as diesel range, TPH as oil range.
- A data quality review report is included in Attachment 2.

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

No deviations are currently planned for the fourth quarter 2024.

## **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, 2021. May 13.
- GHD, 2021d. Env-Agency Correspondence CONSENT DECREE 99-2-07176-0SEA Quarterly Progress Report, August 11, 2021. August 11.
- GHD, 2021e. Shell Harbor Island Terminal Well Installation Work Plan. August 21, 2021. August 21.

- GHD, 2021f. Env-Agency Correspondence CONSENT DECREE 99-2-07176-0SEA Quarterly Progress Report, November 15, 2021. November 15.
- GHD, 2022a. Env-Agency Correspondence CONSENT DECREE 99-2-07176-0SEA 2021 Annual Compliance Monitoring Report, February 15, 2022. February 15.
- GHD, 2022b. Env-Agency Correspondence CONSENT DECREE 99-2-07176-0SEA Quarterly Progress Report, May 12, 2022. May 12
- GHD, 2022c. Env-Agency Correspondence CONSENT DECREE 99-2-07176-0SEA Quarterly Progress Report, August 15, 2022. August 15.
- GHD, 2022d. Shell Harbor Island Terminal Site Investigation Report. October 14, 2022. October 14.
- GHD, 2022e. Shell Harbor Island Terminal Revised Site Investigation Report. December 15, 2022. December 15.
- GHD, 2023a. Env-Agency Correspondence CONSENT DECREE 99-2-07176-0SEA 2022 Annual Compliance Monitoring Report, February 15, 2023. February 15.
- GHD, 2023b. Env-Agency Correspondence CONSENT DECREE 99-2-07176-0SEA Quarterly Progress Report, May 12, 2023. May 12.
- GHD, 2023c. Env-Agency Correspondence CONSENT DECREE 99-2-07176-0SEA Quarterly Progress Report, August 15, 2023. August 15.
- GHD, 2023d. Env-Agency Correspondence CONSENT DECREE 99-2-07176-0SEA Quarterly Progress Report, November 7, 2023. November 7.
- GHD, 2024a. Env-Agency Correspondence CONSENT DECREE 99-2-07176-0SEA 2021 Annual Compliance Monitoring Report, February 14, 2024. February 14.
- GHD, 2024b. Env-Agency Correspondence CONSENT DECREE 99-2-07176-0SEA 2024 Quarterly Progress Report, May 13, 2024. May 13.
- GHD, 2024c. Env-Agency Correspondence CONSENT DECREE 99-2-07176-0SEA 2024 Quarterly Progress Report, August 15, 2024. August 15.

Please do not hesitate to contact me at (425) 563-6502 if you have any questions or comments.

Sincerely,

*Emily Blakeway*  
**Emily Blakeway**  
 Project Manager

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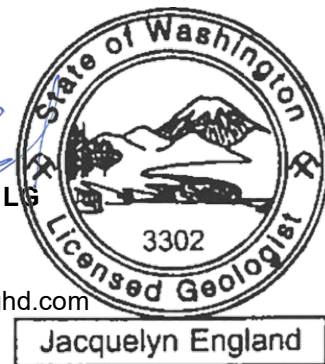
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Tables:

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

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Attachments:

Attachment 1 Laboratory Report

Attachment 2 Data Quality Review Report

Copy to: Andrea Wing, Shell Oil Products US  
Joshua Lokomiak, Seattle Terminal Manager, Shell Oil Products US  
Theresa Geijer, Shell Terminal Environmental Advisor

# Tables

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

<b>Constituent</b>	<b>Cleanup Level<sup>a</sup> (mg/L)</b>
Arsenic	0.036 <sup>b</sup>
Benzene	0.071
cPAH TEQ	0.000031
Ethylbenzene	29.0
Lead	0.0058
TPH-G	1.0
TPH-D	10
TPH-O	10
Toluene	200.0

**Notes:**

<sup>a</sup> Cleanup levels per the Consent Decree (Ecology, 1998), except where noted.

<sup>b</sup> Cleanup level based on ambient water quality criteria (chronic criteria for the protection of aquatic organisms) per Washington Administrative Code 173-201A-040.

mg/L = milligrams per liter

cPAH TEQ = There are not established individual cleanup levels for polycyclic aromatic hydrocarbons (PAHs). The carcinogenic PAHs total toxic equivalent concentration (TEQ) is calculated and compared to the established cleanup level.

TPH-G = total petroleum hydrocarbons as gasoline

TPH-D = total petroleum hydrocarbons as diesel

TPH-O = total petroleum hydrocarbons as oil

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

Well	Schedule								Analysis						Compliance Monitoring Well				Well Construction		Comments and Deviations from Monitoring Program
	1Q		2Q		3Q		4Q (2nd Semi-Annual & Annual)		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)	
	Gauge	Sample	Gauge	Sample	Gauge	Sample	Gauge	Sample													
<b>TX-03A Area - North Tank Farm</b>																					
MW-201	G		G		G		G	S		X	X	X					X	15	5 - 14.5		
MW-202	G		G	S	G		G	S		x <sup>A</sup>	X	X		x <sup>A</sup>	X			15	5 - 14.5		
MW-203	G		G	S	G		G	S			X	X		x <sup>A</sup>	X			15	5 - 14.5		
MW-204	G		G		G		G	S		X	X	X			X		X	15	5 - 14.5		
MW-206A	G		G		G		G	S		X	X	X				X-BGD		15	5 - 14.5		
<b>TX-03A Area - Excluding the North Tank Farm</b>																					
MW-101	G		G		G		G	S		X	X	X						15	5 - 14.5		
MW-102	G		G		G		G	S		X	X	X					X	15	5 - 14.5		
MW-301	G	S	G	S	G	S	G	S		X	X							15	5 - 15		
MW-302	G	S	G	S	G	S	G	S		X	X	x <sup>A</sup>		x <sup>A</sup>	X			15	5 - 15		
MW-303	G	S	G	S	G	S	G	S		X	X	x <sup>A</sup>						15	5 - 15		
MW-304	G	S	G	S	G	S	G	S		X	X	x <sup>A</sup>		x <sup>A</sup>	X			15	5 - 15		
MW-307	G	S	G	S	G	S	G	S		X	X	x <sup>S</sup>		x <sup>A</sup>	X			15	5 - 15		
MW-308	G	S	G	S	G	S	G	S		X	X			x <sup>A</sup>	X			15	5 - 15		
MW-309	G	S	G	S	G	S	G	S		X	X	x <sup>A</sup>						15	5 - 15		
MW-310	G	S	G	S	G	S	G	S		X	X	x <sup>A</sup>		x <sup>A</sup>	X			15	5 - 15		
MW-311	G	S	G	S	G	S	G	S		X	X			x <sup>A</sup>	X		X	15	5 - 15		
MW-312	G	S	G	S	G	S	G	S		X	X			x <sup>A</sup>	X		X	15	5 - 15		
MW-313	G	S	G	S	G	S	G	S		X	X	X					X	15	5 - 15		
MW-314	G	S	G	S	G	S	G	S		X	X	X					X	15	5 - 15		
MW-315	G	S	G	S	G	S	G	S		X	X	X					X	15	5 - 15		
TES-MW-1	G		G		G		G	S		X	X	X						18.5	2.5 - 18		
TX-03A	G	S	G	S	G	S	G	S		X	X	x <sup>A</sup>		x <sup>A</sup>	X			16	6 - 16		
<b>SH-04 Area</b>																					
MW-05			G	S			G	S		X	X	X					X	19.5	4.5 - 14.5		
MW-111			G	S			G	S		X	X	X					X	15	5 - 14.5		
MW-112A			G	S			G	S		X	X	X					X	15	5.5 - 15		
SH-04			G	S			G	S		X	X	X					X	16	6 - 16		
MW-104			G	S			G	S	X		X	X					X	15	5 - 14.5		
<b>Pump House Area Wells</b>																					
MW-113			G	S			G	S		X	X	X						15	5 - 15		
MW-114			G	S			G	S		X	X	X						15	5 - 15		
MW-115			G	S			G	S		X	X	X						15	5 - 15		
<b>Additional Compliance Monitoring Wells</b>																					
MW-105							G	S	X	X	X	X					X	15	5 - 14.5		
TX-04							G	S		X	X	X					X	16	6 - 16		
TX-06A							G	S		X	X	X					X	15.8	5.5 - 15.5		
<b>Shoreline Manifold Area</b>																					
MW-208	MG		MG		MG		MG							X				15	5 - 14.5		
MW-210	MG		MG		MG		MG							X				15	unknown		
MW-211	MG		MG		MG		MG							X				13	3 - 13		
MW-212	MG		MG		MG		MG							X				13	3 - 13		
MW-213			G	S			G	S		X	X	X	X			X-POC		41	30 - 40		
MW-214			G	S			G	S		X	X	X	X			X-POC		42	29.5-39.5		



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

Well	Schedule								Compliance Monitoring Well										Comments and Deviations from Monitoring Program		
	1Q		2Q		3Q		4Q (2nd Semi-Annual & Annual)		Analysis					Network	Well Class	Well Construction					
	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)
<b>Additional Wells (Included in Annual Inspection only)</b>																					
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																			65.5	55.5 - 61.5	Wells were discovered during consultant transition. Groundwater monitoring of these wells is required.
MW-06																			71.5	56.5 - 66.5	
MW-103																			49.5	39.5 - 49	
MW-106																			15	5 - 14	
MW-107																			15.5	5 - 15	
MW-108																			50.5	40.5 - 50	
MW-109																			15	5 - 14.5	
MW-110																			15	5 - 14.5	
MW-205																			48.5	38.5 - 48	
MW-209																			49.5	39.5 - 49	
MW-305																			15	5 - 15	
MW-306																			15	5 - 15	
AMW-8																			24.5	4.5-24.5	Wells were discovered during TSO Terminal Audit and are no longer used by operations for leak detection. Groundwater monitoring of these wells is not required. Checking for well logs for future well abandonment.
AMW-X																				unknown	

Notes:

Red = Modifications to the program since the November 2008 proposed changes which were established in correspondence between URS and Ecology.  
 Additional modifications to incorporate Pump House Area Wells per GHD's October 14, 2022 Site Investigation Report.

1Q = March

2Q = June

3Q = August

4Q = December

Q = quarter

Total Lead by EPA Method 6020

BTEX = benzene, toluene, ethylbenzene, and total xylenes by EPA Method 8260B

TPH-Gx = total petroleum hydrocarbons as gasoline by NWTPH-Gx

TPH-Dx = total petroleum hydrocarbons as diesel by NWTPH-Dx

PAHs = polycyclic aromatic hydrocarbons by EPA Method 8270C-SIM

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.

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

Well	Schedule								Analysis										Compliance Monitoring Well Network Well Class				Well Construction		Comments and Deviations from Monitoring Program
	1Q		2Q		3Q		4Q (2nd Semi-Annual & Annual)		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)					
	Gauge	Sample	Gauge	Sample	Gauge	Sample	Gauge	Sample																	

ft bgs = below ground surface

G = indicates a well to be gauged during that event

S = indicates a well to be sampled during that event

X = indicates a well to be analyzed for that analyte

<sub>x</sub>A = indicates a well to be analyzed for that analyte during the annual sampling event only

BGD = Background well with respect to confirmational sampling

<sub>x</sub>S = indicates a well to be analyzed for that analyte during both semi-annual sampling events only

MG = monthly gauge

POC = Conditional Point of Compliance Well

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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
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
MW-05	10/25/11	13.57	7.25	6.32

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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
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-05	12/15/21	13.57	5.00	8.57
MW-05	04/18/22	13.57	5.35	8.22
MW-05	06/27/22	13.57	5.73	7.84
MW-05	12/12/22	13.57	5.95	7.62
MW-05	06/12/23	13.57	5.98	7.59
MW-05	12/18/23	13.57	4.85	8.72
MW-05	06/17/24	13.57	8.03	5.54
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

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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
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
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

**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	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
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-101	09/22/21	18.21	12.00	6.21
MW-101	12/14/21	18.21	9.41	8.80
MW-101	03/28/22	18.21	9.67	8.54
MW-101	06/27/22	18.21	11.22	6.99
MW-101	09/19/22	18.21	11.79	6.42
MW-101	12/12/22	18.21	10.70	7.51
MW-101	03/27/23	18.21	11.26	6.95
MW-101	06/12/23	18.21	10.30	7.91
MW-101	09/11/23	18.21	10.96	7.25
MW-101	12/18/23	18.21	9.31	8.90
MW-101	03/11/24	18.21	9.31	8.90
MW-101	06/17/24	18.21	10.63	7.58
MW-101	09/18/24	18.21	11.81	6.40
MW-102	04/06/93	12.51	7.99	4.52

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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
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
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

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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
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
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	15.6	9.48	6.12
MW-102	12/14/20	15.6	8.31	7.29
MW-102	04/12/21	15.6	7.77	7.83
MW-102	06/14/21	15.6	8.47	7.13
MW-102	09/22/21	15.6	9.39	6.21
MW-102	12/16/21	15.6	6.81	8.79



**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	03/28/22	15.6	7.28	8.32
MW-102	06/27/22	15.6	8.46	7.14
MW-102	09/19/22	15.6	9.44	6.16
MW-102	12/12/22	15.6	7.25	8.35
MW-102	03/27/23	15.6	8.02	7.58
MW-102	06/12/23	15.6	7.97	7.63
MW-102	09/11/23	15.6	9.00	6.60
MW-102	12/18/23	15.6	6.84	8.76
MW-102	03/11/24	15.6	6.91	8.69
MW-102	06/17/24	15.6	8.35	7.25
MW-102	09/18/24	15.60	9.24	6.36
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
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

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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
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
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

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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
MW-104	12/15/21	13.46	4.99	8.47
MW-104	04/18/22	13.46	5.21	8.25
MW-104	06/27/22	13.46	5.62	7.84
MW-104	12/12/22	13.46	5.81	7.65
MW-104	06/12/23	13.46	5.96	7.50
MW-104	12/18/23	13.46	4.78	8.68
MW-104	06/19/24	13.46	6.09	7.37
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
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

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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
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-105	12/15/21	12.18	3.99	8.19
MW-105	12/12/22	12.18	4.35	7.83
MW-105	12/18/23	12.18	3.99	8.19
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
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

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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
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
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

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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
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-111	12/15/21	11.88	4.14	7.74
MW-111	04/18/22	11.88	4.38	7.50
MW-111	06/27/22	11.88	4.67	7.21
MW-111	12/12/22	11.88	4.75	7.13
MW-111	06/12/23	11.88	4.59	7.29
MW-111	12/18/23	11.88	3.95	7.93
MW-111	06/17/24	11.88	5.00	6.88
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
MW-112A	07/18/02	9.98	7.22	2.76
MW-112A	10/23/02	9.98	7.52	2.46

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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
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
MW-112A	12/15/21	12.52	5.52	7.00
MW-112A	04/18/22	12.52	6.04	6.48
MW-112A	06/27/22	12.52	6.17	6.35
MW-112A	12/12/22	12.52	5.88	6.64

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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
MW-112A	06/12/23	12.52	5.46	7.06
MW-112A	12/18/23	12.52	5.52	7.00
MW-112A	06/18/24	12.52	6.36	6.16
MW-113	06/27/22	12.47	4.76	7.71
MW-113	12/12/22	12.47	4.82	7.65
MW-113	06/12/23	12.47	5.05	7.42
MW-113	12/18/23	12.47	3.95	8.52
MW-113	06/17/24	12.47	5.18	7.29
MW-114	06/27/22	13.18	5.03	8.15
MW-114	12/12/22	13.18	5.10	8.08
MW-114	06/12/23	13.18	5.18	8.00
MW-114	12/18/23	13.18	4.22	8.96
MW-114	06/17/24	13.18	5.57	7.61
MW-115	06/27/22	12.64	4.74	7.90
MW-115	12/12/22	12.64	4.6	8.04
MW-115	06/12/23	12.64	5.10	7.54
MW-115	12/18/23	12.64	3.98	8.66
MW-115	06/17/24	12.64	5.20	7.44
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



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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
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
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

**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	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-201	09/22/21	20.18	14.68	5.50
MW-201	12/16/21	20.18	--	--
MW-201	03/28/22	20.18	13.16	7.02
MW-201	06/27/22	20.18	14.06	6.12
MW-201	09/19/22	20.18	14.31	5.87
MW-201	12/12/22	20.18	13.90	6.28
MW-201	03/27/23	20.18	13.41	6.77
MW-201	06/12/23	20.18	12.96	7.22
MW-201	09/11/23	20.18	14.07	6.11
MW-201	12/18/23	20.18	12.91	7.27
MW-201	03/11/24	20.18	12.95	7.23
MW-201	06/17/24	20.18	14.18	6.00
MW-201	09/18/24	20.18	14.52	5.66
MW-202	04/06/93	16.77	13.23	3.54
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

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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
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
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

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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
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
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-202	09/22/21	19.86	14.20	5.66
MW-202	12/16/21	19.86	12.70	7.16
MW-202	03/28/22	19.86	12.77	7.09
MW-202	06/27/22	19.86	13.23	6.63
MW-202	09/19/22	19.86	13.84	6.02
MW-202	12/12/22	19.86	13.56	6.30
MW-202	03/27/23	19.86	12.98	6.88

**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-202	06/12/23	19.86	12.35	7.51
MW-202	09/11/23	19.86	13.69	6.17
MW-202	12/18/23	19.86	12.62	7.24
MW-202	03/11/24	19.86	12.58	7.28
MW-202	06/18/24	19.86	13.47	6.39
MW-202	09/18/24	19.86	14.01	5.85
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

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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
MW-203	07/12/05	13.99	7.96	6.03
MW-203	10/18/05	13.99	8.64	5.35
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

**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	04/27/20	13.99	7.39	6.60
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-203	09/22/21	13.99	8.26	5.73
MW-203	12/16/21	13.99	6.80	7.19
MW-203	03/28/22	13.99	6.90	7.09
MW-203	06/27/22	13.99	7.02	6.97
MW-203	09/19/22	13.99	7.39	6.60
MW-203	12/12/22	13.99	7.04	6.95
MW-203	03/27/23	13.99	6.29	7.70
MW-203	06/12/23	13.99	5.63	8.36
MW-203	09/12/23	13.99	7.24	6.75
MW-203	12/20/23	13.99	5.16	8.83
MW-203	03/11/24	13.99	4.98	9.01
MW-203	06/18/24	13.99	7.49	6.50
MW-203	09/18/24	13.99	8.07	5.92
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

**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	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
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



**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	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-204	09/22/21	17.27	11.65	5.62
MW-204	12/16/21	17.27	10.42	6.85
MW-204	03/28/22	17.27	10.48	6.79
MW-204	06/27/22	17.27	11.18	6.09
MW-204	09/19/22	17.27	11.58	5.69
MW-204	12/12/22	17.27	10.88	6.39
MW-204	03/27/23	17.27	9.70	7.57
MW-204	06/12/23	17.27	10.23	7.04
MW-204	09/11/23	17.27	11.33	5.94
MW-204	12/18/23	17.27	9.89	7.38
MW-204	03/11/24	17.27	9.92	7.35
MW-204	06/17/24	17.27	11.23	6.04
MW-204	09/18/24	17.27	11.49	5.78
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
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

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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
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
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

**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	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	15.9	10.08	5.82
MW-206A	12/14/20	15.9	7.15	8.75
MW-206A	04/12/21	15.9	7.20	8.70
MW-206A	06/14/21	15.9	9.45	6.45
MW-206A	09/22/21	15.9	10.05	5.85
MW-206A	12/16/21	15.9	8.57	7.33
MW-206A	03/28/22	15.9	8.79	7.11
MW-206A	06/27/22	15.9	7.23	8.67
MW-206A	09/19/22	15.9	9.23	6.67
MW-206A	12/12/22	15.9	9.31	6.59
MW-206A	03/27/23	15.9	6.80	9.10
MW-206A	06/12/23	15.9	7.88	8.02
MW-206A	09/11/23	15.9	9.84	6.06
MW-206A	12/18/23	15.9	9.24	6.66
MW-206A	03/11/24	15.9	8.22	7.68
MW-206A	06/17/24	15.9	9.19	6.71
MW-206A	09/18/24	15.90	10.02	5.88
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	--
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	--

**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	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
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

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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
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-208	07/15/21	12.16	5.31	6.85
MW-208	08/18/21	12.16	5.52	6.64
MW-208	09/22/21	12.16	5.46	6.7
MW-208	10/21/21	12.16	5.32	6.84
MW-208	11/23/21	12.16	4.28	7.88
MW-208	12/14/21	12.16	3.99	8.17
MW-208	01/25/22	12.16	4.34	7.82
MW-208	02/28/22	12.16	4.59	7.57
MW-208	03/28/22	12.16	4.63	7.53
MW-208	04/18/22	12.16	5.08	7.08
MW-208	05/23/22	12.16	4.81	7.35
MW-208	06/27/22	12.16	5.02	7.14
MW-208	07/20/22	12.16	5.03	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-208	08/23/22	12.16	5.55	6.61
MW-208	09/19/22	12.16	5.58	6.58
MW-208	12/12/22	12.16	4.21	7.95
MW-208	01/26/23	12.16	4.41	7.75
MW-208	02/23/23	12.16	4.11	8.05
MW-208	03/27/23	12.16	4.34	7.82
MW-208	04/13/23	12.16	4.44	7.72
MW-208	05/16/23	12.16	4.63	7.53
MW-208	06/12/23	12.16	4.88	7.28
MW-208	07/20/23	12.16	5.32	6.84
MW-208	08/17/23	12.16	5.37	6.79
MW-208	09/11/23	12.16	5.62	6.54
MW-208	11/16/23	12.16	4.52	7.64
MW-208	12/18/23	12.16	4.25	7.91
MW-208	01/16/24	12.16	4.02	8.14
MW-208	02/22/24	12.16	4.15	8.01
MW-208	03/11/24	12.16	3.72	8.44
MW-208	04/11/24	12.16	4.66	7.50
MW-208	05/23/24	12.16	5.48	6.68
MW-208	06/17/24	12.16	5.59	6.57
MW-208	07/11/24	12.16	5.48	6.68
MW-208	08/15/24	12.16	5.78	6.38
MW-208	09/18/24	12.16	5.56	6.60
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	--
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

**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	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
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

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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
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
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



**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	05/12/21	12.85	6.61	6.24
MW-210	06/14/21	12.85	6.15	6.70
MW-210	07/15/21	12.85	6.36	6.49
MW-210	08/18/21	12.85	6.60	6.25
MW-210	09/22/21	12.85	6.50	6.35
MW-210	10/21/21	12.85	6.36	6.49
MW-210	11/23/21	12.85	6.20	6.65
MW-210	12/14/21	12.85	5.12	7.73
MW-210	01/25/22	12.85	6.34	6.51
MW-210	02/28/22	12.85	6.31	6.54
MW-210	03/28/22	12.85	5.92	6.93
MW-210	04/18/22	12.85	6.18	6.69
MW-210	05/23/22	12.85	6.50	6.35
MW-210	06/27/22	12.85	6.21	6.64
MW-210	07/20/22	12.85	6.24	6.61
MW-210	08/23/22	12.85	6.62	6.23
MW-210	09/19/22	12.85	6.99	5.86
MW-210	12/12/22	12.85	5.15	7.70
MW-210	01/26/23	12.85	6.12	7.11
MW-210	02/23/23	12.85	5.79	7.06
MW-210	03/27/23	12.85	6.53	6.18
MW-210	04/13/23	12.85	5.68	7.17
MW-210	05/16/23	12.85	6.27	6.58
MW-210	06/12/23	12.85	6.90	5.95
MW-210	07/20/23	12.85	6.32	6.53
MW-210	08/17/23	12.85	6.42	6.43
MW-210	09/11/23	12.85	6.81	6.04
MW-210	11/16/23	12.85	5.66	7.19
MW-210	12/18/23	12.85	5.11	7.74
MW-210	01/16/24	12.85	5.88	6.97
MW-210	02/22/24	12.85	5.52	7.33
MW-210	03/11/24	12.85	5.28	7.57
MW-210	04/11/24	12.85	5.97	6.88
MW-210	05/23/24	12.85	6.41	6.44
MW-210	06/17/24	12.85	6.05	6.80
MW-210	07/11/24	12.85	6.67	6.18
MW-210	08/15/24	12.85	6.72	6.13
MW-210	09/18/24	12.85	6.76	6.09
MW-211	03/29/13	--	5.97	--
MW-211	06/28/13	--	5.68	--

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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
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
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

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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
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
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-211	07/15/21	12.21	5.60	6.61
MW-211	08/18/21	12.21	5.90	6.31

**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	09/22/21	12.21	5.70	6.51
MW-211	10/21/21	12.21	5.50	6.71
MW-211	11/23/21	12.21	4.42	7.79
MW-211	12/14/21	12.21	4.39	7.82
MW-211	01/25/22	12.21	4.85	7.36
MW-211	02/28/22	12.21	4.51	7.70
MW-211	03/28/22	12.21	5.00	7.21
MW-211	04/18/22	12.21	5.28	6.93
MW-211	05/23/22	12.21	5.28	6.93
MW-211	06/27/22	12.21	5.28	6.93
MW-211	07/20/22	12.21	5.42	6.79
MW-211	08/23/22	12.21	5.94	6.27
MW-211	09/19/22	12.21	5.93	6.28
MW-211	12/12/22	12.21	4.39	7.82
MW-211	01/26/23	12.21	4.58	7.63
MW-211	02/23/23	12.21	4.45	7.76
MW-211	03/27/23	12.21	5.35	6.86
MW-211	04/13/23	12.21	4.66	7.55
MW-211	05/16/23	12.21	5.21	7.00
MW-211	06/12/23	12.21	5.35	6.86
MW-211	07/20/23	12.21	5.60	6.61
MW-211	08/17/23	12.21	5.50	6.71
MW-211	09/11/23	12.21	5.94	6.27
MW-211	11/16/23	12.21	4.68	7.53
MW-211	12/18/23	12.21	4.82	7.39
MW-211	01/16/24	12.21	4.61	7.60
MW-211	02/22/24	12.21	4.36	7.85
MW-211	03/11/24	12.21	3.70	8.51
MW-211	04/11/24	12.21	4.92	7.29
MW-211	05/23/24	12.21	5.80	6.41
MW-211	06/17/24	12.21	6.00	6.21
MW-211	07/11/24	12.21	5.75	6.46
MW-211	08/15/24	12.21	6.17	6.04
MW-211	09/18/24	12.21	5.75	6.46
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	--

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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
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
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

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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
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
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-212	07/15/21	11.95	6.01	5.94
MW-212	08/18/21	11.95	6.16	5.79
MW-212	09/22/21	11.95	6.10	5.85
MW-212	10/21/21	11.95	6.05	5.90

**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	11/23/21	11.95	5.19	6.76
MW-212	12/14/21	11.95	4.79	7.16
MW-212	01/25/22	11.95	5.67	6.28
MW-212	02/28/22	11.95	2.86	9.09
MW-212	03/28/22	11.95	5.98	5.97
MW-212	04/18/22	11.95	5.98	5.97
MW-212	05/23/22	11.95	5.70	6.25
MW-212	06/27/22	11.95	5.90	6.05
MW-212	07/20/22	11.95	5.85	6.10
MW-212	08/23/22	11.95	6.19	5.76
MW-212	09/19/22	11.95	6.19	5.76
MW-212	12/12/22	11.95	4.70	7.25
MW-212	01/26/23	11.95	4.59	7.36
MW-212	02/23/23	11.95	5.07	6.88
MW-212	03/27/23	11.95	5.61	6.34
MW-212	04/13/23	11.95	5.17	6.78
MW-212	05/16/23	11.95	5.70	6.25
MW-212	06/12/23	11.95	5.65	6.30
MW-212	07/20/23	11.95	6.01	5.94
MW-212	08/17/23	11.95	5.99	5.96
MW-212	09/11/23	11.95	6.39	5.56
MW-212	11/16/23	11.95	5.43	6.52
MW-212	12/18/23	11.95	5.13	6.82
MW-212	01/16/24	11.95	5.15	6.80
MW-212	02/22/24	11.95	4.31	7.64
MW-212	03/11/24	11.95	4.18	7.77
MW-212	04/11/24	11.95	5.68	6.27
MW-212	05/23/24	11.95	5.65	6.3
MW-212	06/17/24	11.95	6.12	5.83
MW-212	07/11/24	11.95	6.17	5.78
MW-212	08/15/24	11.95	6.44	5.51
MW-212	09/18/24	11.95	6.43	5.52
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

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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
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
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-213	12/16/21	12.17	5.76	6.41
MW-213	06/27/22	12.17	6.88	5.29
MW-213	12/12/22	12.17	4.35	7.82



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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
MW-213	06/12/23	12.17	5.97	6.20
MW-213	12/18/23	12.17	4.00	8.17
MW-213	06/19/24	12.17	8.60	3.57
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
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

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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
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-214	12/16/21	12.39	5.71	6.68
MW-214	06/27/22	12.39	7.74	4.65
MW-214	12/12/22	12.39	4.38	8.01
MW-214	06/12/23	12.39	6.70	5.69
MW-214	12/18/23	12.39	3.86	8.53
MW-214	06/19/24	12.39	8.81	3.58
MW-301	03/02/12	12.56	6.03	6.53
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

**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	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
MW-301	09/22/21	12.56	6.57	5.99
MW-301	12/16/21	12.56	4.67	7.89
MW-301	03/28/22	12.56	4.91	7.65
MW-301	06/27/22	12.56	5.34	7.22
MW-301	09/21/22	12.56	6.95	5.61
MW-301	12/12/22	12.56	5.22	7.34
MW-301	03/27/23	12.56	5.56	7.00
MW-301	06/12/23	12.56	5.90	6.66
MW-301	09/11/23	12.56	6.17	6.39
MW-301	12/18/23	12.56	4.49	8.07
MW-301	03/12/24	12.56	4.39	8.17
MW-301	06/18/24	12.56	5.78	6.78
MW-301	09/18/24	12.56	6.32	6.24
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

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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
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
MW-302	04/13/21	12.85	5.67	7.18
MW-302	06/15/21	12.85	6.28	6.57
MW-302	09/23/21	12.85	6.84	6.01
MW-302	12/16/21	12.85	4.98	7.87
MW-302	03/28/22	12.85	5.25	7.60
MW-302	06/27/22	12.85	5.68	7.17
MW-302	09/21/22	12.85	7.38	5.47
MW-302	12/12/22	12.85	5.88	6.97
MW-302	03/27/23	12.85	5.44	7.41
MW-302	06/13/23	12.85	6.32	6.53
MW-302	09/12/23	12.85	6.80	6.05
MW-302	12/20/23	12.85	4.38	8.47

**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	03/11/24	12.85	4.75	8.10
MW-302	06/18/24	12.85	6.01	6.84
MW-302	09/18/24	12.85	6.67	6.18
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-303	09/22/21	12.64	6.69	5.95
MW-303	12/15/21	12.64	4.61	8.03
MW-303	03/28/22	12.64	4.84	7.80
MW-303	06/27/22	12.64	5.38	7.26
MW-303	09/21/22	12.64	7.02	5.62
MW-303	12/12/22	12.64	5.24	7.40
MW-303	03/27/23	12.64	5.33	7.31
MW-303	06/12/23	12.64	6.02	6.62
MW-303	09/11/23	12.64	6.36	6.28
MW-303	12/18/23	12.64	4.58	8.06
MW-303	03/12/24	12.64	4.44	8.20
MW-303	06/18/24	12.64	5.78	6.86
MW-303	09/18/24	12.64	6.48	6.16
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

**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	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
MW-304	09/21/20	12.7	6.78	5.92
MW-304	12/14/20	12.7	6.00	6.70
MW-304	04/12/21	12.7	5.42	7.28
MW-304	06/14/21	12.7	6.05	6.65
MW-304	09/22/21	12.7	6.72	5.98
MW-304	12/16/21	12.7	4.69	8.01
MW-304	03/28/22	12.7	5.08	7.62
MW-304	06/27/22	12.7	5.45	7.25
MW-304	09/20/22	12.7	7.03	5.67
MW-304	12/12/22	12.7	5.28	7.42
MW-304	03/27/23	12.7	5.71	6.99
MW-304	06/12/23	12.7	6.05	6.65
MW-304	09/11/23	12.7	6.39	6.31
MW-304	12/18/23	12.7	4.57	8.13
MW-304	03/12/24	12.7	4.59	8.11
MW-304	06/18/24	12.7	5.81	6.89
MW-304	09/18/24	12.70	6.53	6.17
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

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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
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
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



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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
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-307	09/22/21	15.62	9.54	6.08
MW-307	12/14/21	15.62	7.32	8.30
MW-307	03/28/22	15.62	7.73	7.89
MW-307	06/27/22	15.62	8.61	7.01
MW-307	09/20/22	15.62	9.17	6.45
MW-307	12/12/22	15.62	7.98	7.64
MW-307	03/27/23	15.62	8.25	7.37
MW-307	06/12/23	15.62	8.46	7.16
MW-307	09/11/23	15.62	8.50	7.12
MW-307	12/18/23	15.62	7.23	8.39
MW-307	03/11/24	15.62	7.25	8.37
MW-307	06/19/24	15.62	8.40	7.22
<b>MW-307</b>	<b>09/18/24</b>	<b>15.62</b>	<b>9.35</b>	<b>6.27</b>
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
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

**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	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-308	09/22/21	15.59	9.50	6.09
MW-308	12/14/21	15.59	7.07	8.52
MW-308	03/28/22	15.59	7.43	8.16
MW-308	06/27/22	15.59	8.34	7.25
MW-308	09/20/22	15.59	8.85	6.74
MW-308	12/12/22	15.59	7.94	7.65
MW-308	03/27/23	15.59	8.18	7.41
MW-308	06/12/23	15.59	7.73	7.86
MW-308	09/11/23	15.59	8.22	7.37
MW-308	12/18/23	15.59	7.09	8.50
MW-308	03/11/24	15.59	6.98	8.61
MW-308	06/19/24	15.59	8.45	7.14
MW-308	09/18/24	15.59	9.29	6.30
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

**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	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
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-309	09/22/21	12.67	6.72	5.95
MW-309	12/15/21	12.67	4.84	7.83
MW-309	03/28/22	12.67	5.03	7.64
MW-309	06/27/22	12.67	5.51	7.16
MW-309	09/19/22	12.67	7.20	5.47
MW-309	12/12/22	12.67	5.41	7.26
MW-309	03/27/23	12.67	5.62	7.05
MW-309	06/12/23	12.67	5.95	6.72
MW-309	09/11/23	12.67	6.86	5.81
MW-309	12/18/23	12.67	4.71	7.96
MW-309	03/11/24	12.67	4.67	8.00
MW-309	06/18/24	12.67	5.88	6.79
MW-309	09/18/24	12.67	6.50	6.17
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

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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
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
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-310	09/22/21	13.51	7.62	5.89
MW-310	12/16/21	13.51	5.58	7.93
MW-310	03/28/22	13.51	5.85	7.66
MW-310	06/27/22	13.51	7.08	6.43
MW-310	09/20/22	13.51	8.08	5.43
MW-310	12/12/22	13.51	6.20	7.31
MW-310	03/27/23	13.51	5.91	7.60
MW-310	06/12/23	13.51	6.17	7.34
MW-310	09/11/23	13.51	7.15	6.36
MW-310	12/18/23	13.51	5.43	8.08
MW-310	03/12/24	13.51	5.43	8.08

**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-310	06/18/24	13.51	6.71	6.80
MW-310	09/18/24	13.51	7.33	6.18
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	--	--
MW-311	09/22/21	14.91	8.79	6.12
MW-311	12/16/21	14.91	7.05	7.86
MW-311	03/28/22	14.91	7.25	7.66
MW-311	06/27/22	14.91	7.69	7.22
MW-311	09/20/22	14.91	9.23	5.68
MW-311	12/12/22	14.91	7.62	7.29
MW-311	03/27/23	14.91	7.77	7.14
MW-311	06/12/23	14.91	7.62	7.29
MW-311	09/11/23	14.91	8.58	6.33
MW-311	12/18/23	14.91	6.92	7.99
MW-311	03/12/24	14.91	6.81	8.1

**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-311	06/17/24	14.91	7.94	6.97
MW-311	09/18/24	14.91	8.57	6.34
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-312	09/22/21	14.31	8.25	6.06
MW-312	12/16/21	14.31	6.63	7.68
MW-312	03/28/22	14.31	5.90	8.41
MW-312	06/27/22	14.31	7.56	6.75
MW-312	09/20/22	14.31	7.11	7.20
MW-312	12/12/22	14.31	7.08	7.23
MW-312	03/27/23	14.31	7.46	6.85
MW-312	06/12/23	14.31	5.78	8.53
MW-312	09/11/23	14.31	7.96	6.35
MW-312	12/18/23	14.31	6.58	7.73
MW-312	03/12/24	14.31	6.50	7.81

**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	06/18/24	14.31	7.63	6.68
MW-312	09/18/24	14.31	8.08	6.23
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
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-313	09/22/21	13.25	6.83	6.42
MW-313	12/16/21	13.25	5.11	8.14
MW-313	03/28/22	13.25	5.48	7.77
MW-313	06/27/22	13.25	5.87	7.38
MW-313	09/20/22	13.25	7.30	5.95
MW-313	12/12/22	13.25	5.48	7.77
MW-313	03/27/23	13.25	5.90	7.35
MW-313	06/12/23	13.25	6.15	7.10
MW-313	09/11/23	13.25	6.73	6.52
MW-313	12/18/23	13.25	5.58	7.67
MW-313	03/12/24	13.25	5.16	8.09
MW-313	06/18/24	13.25	6.32	6.93
MW-313	09/18/24	13.25	6.74	6.51
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

**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-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-314	09/22/21	13.49	--	--
MW-314	12/16/21	13.49	--	--
MW-314	03/28/22	13.49	6.68	6.81
MW-314	06/27/22	13.49	6.93	6.56
MW-314	09/20/22	13.49	8.41	5.08
MW-314	12/12/22	13.49	--	--
MW-314	03/27/23	13.49	6.75	6.74
MW-314	06/14/23	13.49	7.00	6.49
MW-314	09/11/23	13.49	--	--
MW-314	12/20/23	13.49	5.60	7.89
MW-314	03/11/24	13.49	--	--
MW-314	06/19/24	13.49	7.29	6.20
MW-314	09/18/24	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
MW-315	03/18/19	14.61	7.43	7.18



**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	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
MW-315	09/22/21	14.61	8.34	6.27
MW-315	12/16/21	14.61	6.76	7.85
MW-315	03/28/22	14.61	7.03	7.58
MW-315	06/27/22	14.61	7.42	7.19
MW-315	09/20/22	14.61	9.08	5.53
MW-315	12/12/22	14.61	7.08	7.53
MW-315	03/27/23	14.61	7.43	7.18
MW-315	06/12/23	14.61	7.61	7.00
MW-315	09/11/23	14.61	8.10	6.51
MW-315	12/18/23	14.61	6.74	7.87
MW-315	03/12/24	14.61	6.69	7.92
MW-315	06/19/24	14.61	7.77	6.84
MW-315	09/18/24	14.61	8.22	6.39
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

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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
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
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

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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
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
SH-04	12/15/21	16.62	8.79	7.83
SH-04	04/18/22	16.62	9.15	7.47
SH-04	06/27/22	16.62	9.33	7.29
SH-04	12/12/22	16.62	9.20	7.42
SH-04	06/12/23	16.62	8.95	7.67
SH-04	12/19/23	16.62	8.05	8.57
SH-04	06/18/24	16.62	9.71	6.91
TES-MW-1	04/06/93	13.10	8.79	4.31
TES-MW-1	05/13/93	13.10	8.61	4.49
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

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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
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
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

**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	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
TES-MW-1	09/22/21	16.15	10.15	6.00
TES-MW-1	12/14/21	16.15	7.87	8.28
TES-MW-1	03/28/22	16.15	8.19	7.96
TES-MW-1	06/27/22	16.15	9.18	6.97
TES-MW-1	09/19/22	16.15	10.50	5.65
TES-MW-1	12/12/22	16.15	10.35	5.80
TES-MW-1	03/27/23	16.15	8.10	8.05
TES-MW-1	06/12/23	16.15	8.86	7.29
TES-MW-1	09/11/23	16.15	9.36	6.79
TES-MW-1	12/19/23	16.15	7.92	8.23
TES-MW-1	03/11/24	16.15	7.68	8.47
TES-MW-1	06/17/24	16.15	9.21	6.94
TES-MW-1	09/18/24	16.15	9.92	6.23
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
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

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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
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
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

**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	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
TX-03A	09/23/21	12.26	6.35	5.91
TX-03A	12/16/21	12.26	--	--
TX-03A	03/28/22	12.26	4.90	7.36
TX-03A	06/27/22	12.26	5.17	7.09
TX-03A	09/21/22	12.26	6.75	5.51
TX-03A	12/12/22	12.26	5.05	7.21
TX-03A	03/27/23	12.26	4.97	7.29
TX-03A	06/14/23	12.26	5.42	6.84
TX-03A	09/12/23	12.26	6.84	5.42
TX-03A	12/20/23	12.26	4.45	7.81
TX-03A	03/11/24	12.26	4.28	7.98
TX-03A	06/19/24	12.26	5.45	6.81
TX-03A	09/18/24	12.26	6.19	6.07
TX-04	04/06/93	14.36	9.97	4.39

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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
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
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



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

<b>Sample ID</b>	<b>Sample Date</b>	<b>TOC Elevation ft AMSL</b>	<b>Depth to Water ft below TOC</b>	<b>GW Elevation ft AMSL</b>
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-04	12/15/21	17.65	8.90	8.75
TX-04	12/12/22	17.65	9.81	7.84
TX-04	12/18/23	17.65	8.07	9.58
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
TX-06A	01/28/03	8.58	3.40	5.18

**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	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
TX-06A	12/15/21	11.67	2.90	8.77
TX-06A	12/12/22	11.67	7.46	4.21
TX-06A	12/19/23	11.67	2.45	9.22

Notes:

= Indicates data collected during this progress report period

TOC = Top of monitoring well casing

ft = feet

AMSL = above mean sea level

-- = Survey data not available

GW = groundwater

**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

**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
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	6.58	<.01	5.82	NP	NP	4.83	—	—
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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

**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
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
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

**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
05/08/17	—	—	—	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
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

**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
12/14/20	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
07/15/21	—	—	—	5.31	NP	NP	—	—	—	6.36	6.32	0.04	5.60	NP	NP	6.01	NP	NP
08/18/21	—	—	—	5.52	NP	NP	—	—	—	6.60	NP	Sheen	5.90	NP	NP	6.16	NP	NP
09/22/21	11.65	NP	NP	5.46	NP	NP	—	—	—	6.50	NP	NP	5.70	NP	NP	6.10	NP	NP
10/21/21	—	—	—	5.32	NP	NP	—	—	—	6.36	NP	NP	5.50	NP	NP	6.05	NP	NP
11/23/21	—	—	—	4.28	NP	NP	—	—	—	6.20	5.38	0.82	4.42	NP	NP	5.19	NP	NP
12/14/21	10.42	NP	NP	3.99	NP	NP	—	—	—	5.12	NP	NP	4.39	NP	NP	4.79	NP	NP
01/25/22	—	—	—	4.34	NP	NP	—	—	—	6.34	5.45	0.89	4.85	NP	NP	5.67	NP	NP
02/28/22	—	—	—	4.59	NP	NP	—	—	—	6.31	NP	NP	4.51	NP	NP	2.86	NP	NP
03/28/22	—	—	—	4.63	NP	NP	—	—	—	5.92	NP	NP	5.00	NP	NP	5.98	NP	NP
04/18/22	—	—	—	5.08	NP	NP	—	—	—	6.18	NP	NP	5.28	NP	NP	5.98	NP	NP
04/18/22	—	—	—	5.08	NP	NP	—	—	—	6.18	6.15	0.03	5.28	NP	NP	5.98	NP	NP
05/23/22	—	—	—	4.81	NP	NP	—	—	—	6.50	6.29	0.21	5.28	NP	NP	5.70	NP	NP
06/27/22	11.18	NP	NP	5.02	NP	NP	—	—	—	6.21	6.06	0.15	5.28	NP	NP	5.90	NP	NP
07/20/22	—	—	—	5.03	NP	NP	—	—	—	6.24	NP	NP	5.42	NP	NP	5.85	NP	NP
08/23/22	—	—	—	5.55	NP	NP	—	—	—	6.62	6.60	0.02	5.94	NP	NP	6.19	NP	NP
09/19/22	—	—	—	5.58	NP	NP	—	—	—	6.99	NP	NP	5.93	NP	NP	6.19	NP	NP
12/12/22	—	—	—	4.21	NP	NP	—	—	—	5.15	NP	NP	4.39	NP	NP	4.70	NP	NP
01/26/23	—	—	—	4.41	NP	NP	—	—	—	6.12	5.65	0.47	4.58	NP	NP	5.59	NP	NP
02/23/23	—	—	—	4.11	NP	NP	—	—	—	5.79	NP	NP	4.45	NP	NP	5.07	NP	NP
03/27/23	—	—	—	4.34	NP	NP	—	—	—	6.53	6.70	0.17	5.35	NP	NP	5.61	NP	NP
04/13/23	—	—	—	4.44	NP	NP	—	—	—	5.68	5.62	0.06	4.66	NP	NP	5.17	NP	NP
05/16/23	—	—	—	4.63	NP	NP	—	—	—	6.27	6.07	0.20	5.21	NP	NP	5.70	NP	NP
06/12/23	—	—	—	4.88	NP	NP	—	—	—	6.90	NP	NP	5.35	NP	NP	5.65	NP	NP
07/20/23	—	—	—	5.32	NP	NP	—	—	—	6.32	6.27	0.05	5.60	NP	NP	6.01	NP	NP
08/17/23	—	—	—	5.37	NP	NP	—	—	—	6.42	6.41	0.01	5.50	NP	NP	5.99	NP	NP
09/11/23	—	—	—	5.62	NP	NP	—	—	—	6.81	NP	NP	5.94	NP	NP	6.39	NP	NP
11/16/23	—	—	—	4.52	NP	NP	—	—	—	5.66	5.55	0.11	4.68	NP	NP	5.43	NP	NP
12/18/23	—	—	—	4.25	NP	NP	—	—	—	5.11	NP	NP	4.82	NP	NP	5.13	NP	NP
01/16/24	—	—	—	4.02	NP	NP	—	—	—	5.88	5.27	0.61	4.61	NP	NP	5.15	NP	NP
02/22/24	—	—	—	4.15	NP	NP	—	—	—	5.52	5.22	0.3	4.36	NP	NP	4.31	NP	NP
03/11/24	—	—	—	3.72	NP	NP	—	—	—	5.28	NP	NP	3.70	NP	NP	4.18	NP	NP
04/11/24	—	—	—	4.66	NP	NP	—	—	—	5.97	5.74	0.23	4.92	NP	NP	5.68	NP	NP
05/23/24	—	—	—	5.48	NP	NP	—	—	—	6.41	NP	NP	5.80	NP	NP	5.65	NP	NP
06/17/24	—	—	—	5.59	NP	NP	—	—	—	6.05	NP	NP	6.00	NP	NP	6.12	NP	NP
07/11/24	—	—	—	5.48	NP	NP	—	—	—	6.67	NP	NP	5.75	NP	NP	6.17	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
08/15/24	—	—	—	5.78	NP	NP	—	—	—	6.72	NP	NP	6.17	NP	NP	6.44	NP	NP
09/18/24	—	—	—	5.56	NP	NP	—	—	—	6.76	NP	NP	5.75	NP	NP	6.43	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 pipe
- Product depth/thick = product depth/thickness in well measured in feet
- = not measured
- NP = no product detected



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

Sample ID	Sample Date	Field Parameters						Laboratory Parameters					
		Temperature °C	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	14.70	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-05	12/15/21	13.50	241	0.57	10.40	-83.3	21	--	--	--	--	--	--
MW-05	04/18/22	12.06	356	0.14	7.87	77.8	13	--	--	--	--	--	--
MW-05	06/29/22	15.00	351	0.71	6.21	36.9	34	--	--	--	--	--	--
MW-05	12/14/22	13.77	375	0.21	7.81	220.9	3	--	--	--	--	--	--
MW-05	06/13/23	15.41	302	3.11	7.25	-48.5	21	--	--	--	--	--	--
MW-05	12/18/23	14.82	245	0.32	6.41	-53.4	14	--	--	--	--	--	--
MW-05	06/17/24	15.66	85	6.03	6.79	79.0	35	--	--	--	--	--	--
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-101	12/14/21	11.50	314	0.59	6.79	124.0	25	--	--	--	--	--	--
MW-101	12/12/22	11.79	278	0.40	6.75	130.7	5	--	--	--	--	--	--
MW-101	12/19/23	13.49	242	3.87	6.79	-116.6	18	--	--	--	--	--	--
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	--	--	--	--	--	--

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

Sample ID	Sample Date	Field Parameters						Laboratory Parameters					
		Temperature °C	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-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-102	12/16/21	12.20	295	0.77	8.10	73.9	11	--	--	--	--	--	--
MW-102	12/12/22	12.27	346	0.55	6.54	-46.3	83	--	--	--	--	--	--
MW-102	12/18/23	13.18	373	0.46	6.54	-11.7	19	--	--	--	--	--	--
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	17.60	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-104	12/15/21	14.40	275	0.15	10.06	-115.0	9	--	--	--	--	--	--
MW-104	04/18/22	13.97	297	0.11	8.15	62	27	--	--	--	--	--	--
MW-104	06/29/22	17.00	314	0.52	6.35	-38.2	13	--	--	--	--	--	--
MW-104	12/14/22	15.42	368	0.13	7.74	216.3	2	--	--	--	--	--	--
MW-104	06/13/23	16.72	389	5.77	7.12	-17.6	24	--	--	--	--	--	--
MW-104	12/19/23	15.13	263	0.73	6.27	66.3	23	--	--	--	--	--	--
MW-104	06/19/24	18.21	329	0.21	5.89	-1.8	24	--	--	--	--	--	--
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	--	--	--	--	--	--

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

Sample ID	Sample Date	Field Parameters						Laboratory Parameters					
		Temperature °C	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-105	12/14/20	14.90	289	0.50	7.83	155.60	27	--	--	--	--	--	--
MW-105	12/15/21	13.00	170	0.13	9.91	-101.9	15	--	--	--	--	--	--
MW-105	12/14/22	13.20	234	0.18	7.80	221.3	15	--	--	--	--	--	--
MW-105	12/18/23	15.30	177	0.58	6.47	-80.5	23	--	--	--	--	--	--
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	19.00	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-111	12/15/21	14.90	238	0.18	9.85	-72.1	6	--	--	--	--	--	--
MW-111	04/18/22	12.31	139	0.09	8.15	62.3	44	--	--	--	--	--	--
MW-111	06/27/22	18.40	119	0.62	6.21	11.8	34	--	--	--	--	--	--
MW-111	12/14/22	12.94	220	0.15	7.43	190.3	3	--	--	--	--	--	--
MW-111	06/13/23	16.30	130	1.49	7.24	-61.7	20	--	--	--	--	--	--
MW-111	12/19/23	15.09	360	0.07	6.17	37.5	28	--	--	--	--	--	--
MW-111	06/17/24	17.21	107	2.65	6.51	69.8	27	--	--	--	--	--	--
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	--	--	--	--	--	--

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

Sample ID	Sample Date	Field Parameters						Laboratory Parameters					
		Temperature °C	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-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	15.70	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-112A	12/15/21	14.40	243	0.19	9.95	-85.8	12	--	--	--	--	--	--
MW-112A	04/18/22	11.44	305	0.09	8.24	56.9	18	--	--	--	--	--	--
MW-112A	06/28/22	16.20	272	0.52	6.27	-37.2	14	--	--	--	--	--	--
MW-112A	12/13/22	12.79	254	0.10	6.38	-36.0	25	--	--	--	--	--	--
MW-112A	06/13/23	14.94	374	1.95	7.37	-62.5	16	--	--	--	--	--	--
MW-112A	12/19/23	10.57	363	0.89	6.16	22.1	17	--	--	--	--	--	--
MW-112A	06/18/24	16.42	396	0.18	6.20	204.1	17	--	--	--	--	--	--
MW-113	06/27/22	15.40	284	0.54	6.28	-38.4	37	--	--	--	--	--	--
MW-113	12/14/22	12.47	265	0.21	7.60	209.5	8	--	--	--	--	--	--
MW-113	06/13/23	13.60	265	1.99	7.28	-26.7	17	--	--	--	--	--	--
MW-113	12/19/23	13.70	228	0.26	6.45	-10.1	13	--	--	--	--	--	--
MW-113	06/17/24	14.63	270	0.11	6.47	210.6	18	--	--	--	--	--	--
MW-114	06/27/22	15.40	139	1.32	6.16	53.6	33	--	--	--	--	--	--
MW-114	12/14/22	12.68	216	0.30	7.77	222.2	30	--	--	--	--	--	--
MW-114	06/13/23	13.76	148	4.47	7.40	-49.0	50	--	--	--	--	--	--
MW-114	12/19/23	13.83	126	0.92	6.29	60.2	36	--	--	--	--	--	--
MW-114	06/17/24	14.69	135	2.37	7.16	223.8	42	--	--	--	--	--	--
MW-115	06/27/22	16.90	248	0.51	6.11	-33.7	46	--	--	--	--	--	--
MW-115	12/14/22	13.69	208	0.18	7.80	224.1	5	--	--	--	--	--	--
MW-115	06/13/23	14.66	276	1.82	7.33	-60.0	17	--	--	--	--	--	--
MW-115	12/19/23	13.88	290	0.62	6.19	6.3	15	--	--	--	--	--	--
MW-115	06/17/24	15.95	274	0.13	8.07	204.2	39	--	--	--	--	--	--

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

Sample ID	Sample Date	Field Parameters						Laboratory Parameters					
		Temperature °C	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	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	--	--	--	--	--	--
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-201	12/12/22	10.64	634	0.27	7.08	148.3	15	--	--	--	--	--	--
MW-201	12/18/23	11.19	51	11.03	6.27	97.2	31	--	--	--	--	--	--
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	--	--	--	--	--	--

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

Sample ID	Sample Date	Field Parameters							Laboratory Parameters				
		Temperature °C	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-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	15.40	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-202	12/16/21	11.40	174	0.81	7.76	3.8	125	--	--	--	4.00 J	0.32 J	0.532
MW-202	06/29/22	14.10	637	0.76	6.96	6.3	58	--	--	--	--	--	--
MW-202	12/12/22	10.49	430	0.20	7.21	154.0	52	--	--	--	100	0.122 J	0.868
MW-202	06/12/23	15.92	911	0.46	7.11	39.6	46	--	--	--	--	--	--
MW-202	12/18/23	12.52	532	0.95	5.97	-77.7	17	--	--	--	--	14.5	1.21
MW-202	06/18/24	16.42	327	0.17	6.11	162.5	15	--	--	--	--	--	--

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

Sample ID	Sample Date	Field Parameters						Laboratory Parameters					
		Temperature °C	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	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	--	--	--	--	--	--
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

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

Sample ID	Sample Date	Field Parameters						Laboratory Parameters					
		Temperature °C	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	06/29/20	15.10	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-203	12/16/21	11.60	193	0.21	8.30	16.1	16	--	--	--	16.9	<0.5	0.0505
MW-203	06/28/22	14.10	571	0.57	6.52	13.2	513	--	--	--	--	--	--
MW-203	12/14/22	11.74	469	0.23	6.93	174.7	5	--	--	--	7.94	8.34	0.693
MW-203	06/12/23	16.23	436	1.62	6.41	113.4	61	--	--	--	--	--	--
MW-203	12/20/23	13.46	413	0.82	6.41	-40.2	37	--	--	--	1.01 J	<0.5	<0.0100
MW-203	06/18/24	14.60	291	0.06	6.05	-10.9	30	--	--	--	--	--	--
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-204	12/16/21	10.50	144	0.22	7.70	-17.2	25	--	--	--	--	--	--
MW-204	12/12/22	11.69	247	0.58	6.51	-76.1	26	--	--	--	--	--	--
MW-204	12/18/23	14.43	177	1.00	5.80	105.3	8	--	--	--	--	--	--
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-206A	12/16/21	8.60	394	0.61	8.20	15.9	21	--	--	--	--	--	--
MW-206A	12/12/22	9.59	404	0.17	7.02	-68.2	96	--	--	--	--	--	--
MW-206A	12/18/23	13.15	499	0.36	7.23	-166.2	93	--	--	--	--	--	--
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	--	--	--	--	--	--



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

Sample ID	Sample Date	Field Parameters						Laboratory Parameters					
		Temperature °C	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-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	13.00	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-213	12/16/21	9.90	13,386	0.85	9.67	-101.5	5	--	--	--	--	--	--
MW-213	06/29/22	13.80	20,936	0.43	8.09	-313.6	25	--	--	--	--	--	--
MW-213	12/12/22	11.24	3,297	0.26	6.83	140.2	5	--	--	--	--	--	--
MW-213	06/12/23	15.16	9,167	0.11	7.32	-65.8	17	--	--	--	--	--	--
MW-213	12/18/23	12.67	1,843	0.5	8.12	-197.5	18	--	--	--	--	--	--
MW-213	06/19/24	17.91	18.23	0.69	7.51	67.1	16	--	--	--	--	--	--
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-214	12/16/21	12.50	8,441	0.30	9.34	-172.8	5	--	--	--	--	--	--
MW-214	06/29/22	14.30	1,680	3.25	7.97	-189.6	13	--	--	--	--	--	--
MW-214	12/12/22	12.40	7,989	0.17	6.52	-50	10	--	--	--	--	--	--

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

Sample ID	Sample Date	Field Parameters						Laboratory Parameters					
		Temperature °C	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-214	06/12/23	16.44	6,045	0.28	6.74	-115.2	1	--	--	--	--	--	--
MW-214	12/18/23	13.20	1,519	0.12	8.47	-185.7	25	--	--	--	--	--	--
MW-214	06/19/24	16.59	699	1.02	5.90	284.6	22	--	--	--	--	--	--
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	13.40	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	19.20	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	10.60	347	2.26	6.01	35.3	76	--	--	--	--	--	--
MW-301	06/14/21	11.44	726	1.78	7.00	37.3	27	--	--	--	--	--	--
MW-301	09/22/21	18.21	615	1.43	6.54	-35.6	55	--	--	--	--	--	--
MW-301	12/16/21	10.17	502	0.14	6.60	82.3	112	--	--	--	--	--	--
MW-301	03/29/22	12.17	592	0.14	6.82	160.7	30	--	--	--	--	--	--
MW-301	06/27/22	15.90	601	0.44	6.45	-105.6	65	--	--	--	--	--	--

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

Sample ID	Sample Date	Field Parameters						Laboratory Parameters					
		Temperature °C	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-301	09/21/22	16.48	402	0.90	6.40	335.6	42	--	--	--	--	--	--
MW-301	12/13/22	12.78	587	0.09	6.39	-31.4	80	--	--	--	--	--	--
MW-301	03/28/23	12.27	676	0.33	7.60	-63.1	18	--	--	--	--	--	--
MW-301	06/14/23	17.08	723	1.24	7.31	-79	16	--	--	--	--	--	--
MW-301	09/11/23	19.59	534	0.09	6.55	-176.6	10	--	--	--	--	--	--
MW-301	12/20/23	12.88	495	0.92	6.31	-38.6	39	--	--	--	--	--	--
MW-301	03/12/24	10.60	615	2.72	6.71	-40.9	25	--	--	--	--	--	--
MW-301	06/18/24	15.61	406	0.10	6.39	164.9	22	--	--	--	--	--	--
MW-301	09/18/24	17.94	321	0.66	6.50	72.4	14	--	--	--	--	--	--
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	--	--	--	--	--	--
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	--	--	--	--	--	--

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

Sample ID	Sample Date	Field Parameters						Laboratory Parameters					
		Temperature °C	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	12/11/19	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	14.00	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	18.00	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	13.40	409	1.39	6.53	-53.4	26	--	--	--	--	--	--
MW-302	06/15/21	10.57	538	0.45	7.21	6.0	26	--	--	--	--	--	--
MW-302	09/23/21	16.29	630	1.77	5.97	70.0	17	--	--	--	--	--	--
MW-302	12/16/21	10.70	597	0.10	7.67	20.3	35	--	--	--	104	0.282 J	2.74
MW-302	03/28/22	11.51	769	0.04	7.41	115.1	12	--	--	--	--	--	--
MW-302	06/28/22	16.00	936	0.79	6.40	-115.3	11	--	--	--	--	--	--
MW-302	09/21/22	16.92	550	0.09	7.22	343.0	18	--	--	--	--	--	--
MW-302	12/13/22	12.55	220	0.18	6.39	-43.9	19	--	--	--	39.1	31.8	0.607
MW-302	03/27/23	12.62	790	0.3	7.52	-58.7	25	--	--	--	--	--	--
MW-302	06/13/23	15.47	360	1.17	7.30	-41.6	28	--	--	--	--	--	--
MW-302	09/12/23	19.37	342	0.21	6.19	-96.2	2	--	--	--	--	--	--
MW-302	12/20/23	14.46	778	0.83	6.40	-59.6	70	--	--	--	49	0.326 J	1.82
MW-302	03/11/24	11.67	593	2.68	6.86	-31.3	16	--	--	--	--	--	--
MW-302	06/18/24	15.41	563	0.10	6.32	188.5	19	--	--	--	--	--	--
MW-302	09/19/24	19.00	340	0.59	6.52	-19.1	14	--	--	--	--	--	--
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	--	--	--	--	--	--	NM
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	--	--	--	--	--	--

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

Sample ID	Sample Date	Field Parameters						Laboratory Parameters					
		Temperature °C	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-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	12.70	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	18.80	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	9.10	87	2.46	5.91	36.1	26	--	--	--	--	--	--
MW-303	06/14/21	9.33	368	1.32	6.65	6.7	12	--	--	--	--	--	--
MW-303	09/22/21	18.13	1,158	1.25	6.53	-47.5	11	--	--	--	--	--	--
MW-303	12/15/21	9.00	251	0.43	7.58	14.9	8	--	--	--	--	--	--
MW-303	03/28/22	10.79	212	0.06	6.93	144.3	12	--	--	--	--	--	--
MW-303	06/28/22	15.20	300	0.48	6.03	-51.3	13	--	--	--	--	--	--
MW-303	09/21/22	15.76	641	0.09	6.45	343.4	23	--	--	--	--	--	--
MW-303	12/13/22	10.75	345	0.16	6.44	-16.9	16	--	--	--	--	--	--
MW-303	03/28/23	10.30	211	1.02	7.44	-3.3	21	--	--	--	--	--	--
MW-303	06/14/23	15.83	348	1.17	7.59	-42.4	29	--	--	--	--	--	--
MW-303	09/11/23	17.83	611	0.13	6.27	-103.9	17	--	--	--	--	--	--
MW-303	12/20/23	11.55	295	0.37	6.12	-28.5	22	--	--	--	--	--	--
MW-303	03/12/24	9.54	225	3.40	6.70	-9.2	23	--	--	--	--	--	--
MW-303	06/18/24	14.94	280	0.09	6.13	-47.5	15	--	--	--	--	--	--
MW-303	09/18/24	17.20	491	0.59	6.51	45.5	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	--	--	--	--	--	--

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

Sample ID	Sample Date	Field Parameters							Laboratory Parameters				
		Temperature °C	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-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	12.40	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	16.70	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	9.00	92	2.60	6.00	79.8	33	--	--	--	--	--	--
MW-304	06/15/21	9.80	224	1.12	6.49	55.5	8	--	--	--	--	--	--
MW-304	09/22/21	17.36	370	1.33	5.72	19.8	15	--	--	--	--	--	--
MW-304	12/16/21	9.17	244	0.06	6.60	108.2	23	--	--	--	72.8	19	1.18
MW-304	03/28/22	11.80	135	0.10	6.79	152.3	10	--	--	--	--	--	--
MW-304	06/28/22	15.90	230	0.45	6.64	11.3	10	--	--	--	--	--	--
MW-304	09/20/22	18.11	345	0.11	6.28	349.1	12	--	--	--	--	--	--
MW-304	12/13/22	11.01	317	0.22	6.37	-24.1	17	--	--	--	51.6	8.8	0.462
MW-304	03/27/23	10.31	205	0.22	8.09	-31.5	20	--	--	--	--	--	--
MW-304	06/14/23	18.16	281	0.67	7.11	-59.3	17	--	--	--	--	--	--
MW-304	09/11/23	19.23	356	5.84	6.35	-69.5	3	--	--	--	--	--	--
MW-304	12/20/23	12.56	371	0.48	6.36	-49.4	20	--	--	--	7.22	6.6	1.06
MW-304	03/12/24	10.27	748	2.65	6.84	-58.2	29	--	--	--	--	--	--
MW-304	06/18/24	14.34	388	0.09	6.42	-42.3	19	--	--	--	--	--	--
MW-304	09/18/24	16.75	366	0.70	6.73	13.2	16	--	--	--	--	--	--
MW-307	11/26/12	12.7	332	0	7.18	-62	36.6	--	--	--	1.5	--	--

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

Sample ID	Sample Date	Field Parameters							Laboratory Parameters				
		Temperature °C	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	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
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	13.60	677	0.60	6.72	-96.40	43	--	--	--	--	--	--
MW-307	06/29/20	14.80	505	0.34	6.82	115.90	40	--	--	--	--	--	--
MW-307	09/21/20	15.80	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	11.20	276	1.91	6.47	-56.9	65	--	--	--	--	--	--
MW-307	06/14/21	6.85	352	0.51	7.35	156.3	11	--	--	--	--	--	--
MW-307	09/22/21	16.03	661	1.12	6.10	0.8	17	--	--	--	--	--	--
MW-307	12/14/21	11.00	423	0.30	9.10	-24.0	18	--	--	--	22.1	0.172 J	0.764
MW-307	03/28/22	11.21	403	0.01	7.43	114.4	40	--	--	--	--	--	--
MW-307	06/29/22	15.20	430	0.66	6.88	34.8	19	--	--	--	--	--	--
MW-307	09/20/22	18.41	685	0.18	7.13	341.8	13	--	--	--	--	--	--

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

Sample ID	Sample Date	Field Parameters						Laboratory Parameters					
		Temperature °C	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	12/12/22	11.27	322	0.43	6.45	-16.4	12	--	--	--	1.43 J	0.366 J	0.678
MW-307	03/27/23	14.60	634	0.26	7.03	-19.2	10	--	--	--	--	--	--
MW-307	06/13/23	12.14	403	1.16	6.64	83.9	18	--	--	--	--	--	--
MW-307	09/11/23	16.93	693	0.71	6.88	186.7	18	--	--	--	--	--	--
MW-307	12/19/23	13.22	483	0.68	6.49	-104.2	29	--	--	--	23.6	21.7	0.695
MW-307	03/11/24	10.85	504	2.99	7.10	-18.8	23	--	--	--	--	--	--
MW-307	06/19/24	13.21	287	0.10	6.21	221.0	21	--	--	--	--	--	--
MW-307	09/18/24	15.90	242	0.73	6.51	48.4	13	--	--	--	--	--	--
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	13.30	825	0.77	6.43	-73.10	31	--	--	--	--	--	--
MW-308	06/29/20	15.30	726	0.44	7.05	108.80	24	--	--	--	--	--	--
MW-308	09/21/20	15.70	489	0.70	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	10.40	323	2.15	6.72	142.2	38	--	--	--	--	--	--



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

Sample ID	Sample Date	Field Parameters						Laboratory Parameters					
		Temperature °C	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-308	06/14/21	7.31	600	1.15	6.97	137.7	11	--	--	--	--	--	--
MW-308	09/22/21	15.90	589	1.44	6.39	-17.2	6	--	--	--	--	--	--
MW-308	12/14/21	7.70	548	0.87	6.95	150.0	10	--	--	--	20.9	<0.5	0.219
MW-308	03/28/22	10.54	647	0.01	7.32	121.8	11	--	--	--	--	--	--
MW-308	06/29/22	15.30	439	0.66	6.68	7.6	17	--	--	--	--	--	--
MW-308	09/20/22	17.72	723	0.29	7.08	337.8	28	--	--	--	--	--	--
MW-308	12/12/22	9.79	369	0.38	6.46	34.4	83	--	--	--	48.0	0.162 J	0.00254 J
MW-308	03/27/23	13.97	684	0.38	7.05	-41.2	22	--	--	--	--	--	--
MW-308	06/13/23	12.31	316	0.64	6.59	-41.6	24	--	--	--	--	--	--
MW-308	09/11/23	16.49	746	0.43	7.01	147.9	36	--	--	--	--	--	--
MW-308	12/19/23	11.23	680	0.69	7.02	-24.4	8	--	--	--	128	0.11 J	0.118
MW-308	03/11/24	9.84	650	2.88	7.16	27	10	--	--	--	--	--	--
MW-308	06/19/24	13.32	772	0.08	6.50	90.1	23	--	--	--	--	--	--
MW-308	09/18/24	15.63	338	0.68	6.74	71.2	10	--	--	--	--	--	--
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-309	12/15/21	12.80	384	0.07	8.17	-22.8	6	--	--	--	--	--	--
MW-309	06/28/22	16.00	287	0.51	6.35	-76.8	151	--	--	--	--	--	--
MW-309	12/13/22	12.43	298	0.11	6.40	-29.9	120	--	--	--	--	--	--
MW-309	06/14/23	17.21	379	0.86	7.23	-66.5	51	--	--	--	--	--	--

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

Sample ID	Sample Date	Field Parameters						Laboratory Parameters					
		Temperature °C	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-309	12/20/23	13.50	240	0.25	6.24	-37.8	25	--	--	--	--	--	--
MW-309	06/18/24	14.17	468	0.14	6.19	58.7	32	--	--	--	--	--	--
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	14.00	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	17.80	745	2.68	6.01	249.70	12	--	--	--	--	--	--
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	13.80	386	1.67	6.39	-28.8	92	--	--	--	--	--	--
MW-310	06/15/21	12.16	571	0.64	7.05	45.9	53	--	--	--	--	--	--
MW-310	09/22/21	18.17	789	1.05	6.02	-15.7	51	--	--	--	--	--	--

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

Sample ID	Sample Date	Field Parameters						Laboratory Parameters					
		Temperature °C	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	12/16/21	12.25	648	0.06	6.66	-28.1	85	--	--	--	90.8	0.339 J	2.5
MW-310	03/29/22	11.83	677	0.21	6.95	154.3	22	--	--	--	--	--	--
MW-310	06/28/22	15.40	752	0.41	6.41	-98.6	37	--	--	--	--	--	--
MW-310	09/20/22	19.95	572	0.48	6.32	316.7	23	--	--	--	--	--	--
MW-310	12/13/22	10.61	399	0.31	6.39	-54.3	44	--	--	--	22.2	7.74	0.857
MW-310	03/27/23	13.26	824	0.23	7.58	-92.5	29	--	--	--	--	--	--
MW-310	06/13/23	16.15	767	1.53	7.29	-83	35	--	--	--	--	--	--
MW-310	09/11/23	20.58	473	0.1	6.34	-148	21	--	--	--	--	--	--
MW-310	12/19/23	13.41	973	0.17	6.57	-51.1	42	--	--	--	22.2	10.8	1.49
MW-310	03/12/24	10.91	998	2.7	6.95	-68.5	21	--	--	--	--	--	--
MW-310	06/18/24	15.50	593	0.08	6.34	-12.4	21	--	--	--	--	--	--
MW-310	09/18/24	18.12	409	0.73	6.66	-12.0	18	--	--	--	--	--	--
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	--	--	--	--	--	--

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

Sample ID	Sample Date	Field Parameters						Laboratory Parameters					
		Temperature °C	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-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	14.20	792	0.72	7.60	-83.20	9	--	--	--	--	--	--
MW-311	06/29/20	15.20	957	0.44	6.97	121.90	15	--	--	--	--	--	--
MW-311	09/21/20	17.50	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	13.00	338	2.30	6.75	-71.2	18	--	--	--	--	--	--
MW-311	09/22/21	17.34	812	1.57	6.70	-50.1	9	--	--	--	--	--	--
MW-311	12/16/21	10.67	473	0.08	7.34	37.4	8	--	--	--	4.42	0.144 J	1.77
MW-311	03/29/22	13.47	728	0.01	7.18	137.7	2	--	--	--	--	--	--
MW-311	06/28/22	15.70	636	0.46	6.48	-98.6	17	--	--	--	--	--	--
MW-311	09/20/22	19.90	764	0.03	6.42	380.4	6	--	--	--	--	--	--
MW-311	12/13/22	14.18	616	0.13	6.42	-48.6	6	--	--	--	0.429 J	6.14	1.89
MW-311	03/28/23	12.43	718	0.36	7.22	-11.2	13	--	--	--	--	--	--
MW-311	06/14/23	15.28	751	5.49	7.78	5.3	16	--	--	--	--	--	--
MW-311	09/12/23	18.95	601	0.11	6.47	-127.5	14	--	--	--	--	--	--
MW-311	12/20/23	14.79	641	0.29	6.30	-38.3	9	--	--	--	<1.5	3.1	1.58
MW-311	03/12/24	11.20	707	2.68	6.51	-37.9	5	--	--	--	--	--	--
MW-311	06/17/24	17.53	743	0.11	6.49	153.5	26	--	--	--	--	--	--
MW-311	09/19/24	17.10	569	0.75	6.32	129.3	15	--	--	--	--	--	--
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

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

Sample ID	Sample Date	Field Parameters							Laboratory Parameters				
		Temperature °C	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-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	14.90	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	17.50	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	12.30	286	2.10	6.78	-84.4	17	--	--	--	--	--	--
MW-312	06/16/21	8.65	476	2.05	6.93	17.3	3	--	--	--	--	--	--
MW-312	09/22/21	16.72	805	2.04	6.62	-30.2	10	--	--	--	--	--	--
MW-312	12/16/21	10.85	338	0.04	7.04	35.2	6	--	--	--	<0.500	0.115 J	0.83
MW-312	03/29/22	12.62	452	0.03	6.89	158.7	1	--	--	--	--	--	--
MW-312	06/29/22	14.50	635	0.78	6.48	10.1	30	--	--	--	--	--	--
MW-312	09/20/22	19.81	714	0.32	6.80	361.9	9	--	--	--	--	--	--
MW-312	12/13/22	13.20	440	0.24	6.48	-12.9	19	--	--	--	4.73	0.399 J	0.903
MW-312	03/28/23	12.05	573	0.18	8.38	-68.7	10	--	--	--	--	--	--
MW-312	06/14/23	16.40	552	2.13	7.90	-49.8	17	--	--	--	--	--	--
MW-312	09/12/23	18.90	543	0.19	6.52	-128.2	1	--	--	--	--	--	--
MW-312	12/20/23	15.16	614	0.08	6.37	-21.5	17	--	--	--	<1.5	1.7	1.04
MW-312	03/12/24	9.63	698	2.92	6.85	-13.7	16	--	--	--	--	--	--
MW-312	06/18/24	15.20	495	0.09	6.39	-40.2	12	--	--	--	--	--	--
MW-312	09/19/24	17.49	497	0.45	6.80	7.8	6	--	--	--	--	--	--
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	--	--	--	--	--	--

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

Sample ID	Sample Date	Field Parameters						Laboratory Parameters					
		Temperature °C	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-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	15.60	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	18.70	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	12.90	250	2.02	6.85	-69.0	48	--	--	--	--	--	--
MW-313	06/16/21	9.60	441	0.99	7.38	30.4	38	--	--	--	--	--	--
MW-313	09/22/21	17.25	668	1.34	6.95	-41.6	28	--	--	--	--	--	--
MW-313	12/16/21	11.89	401	0.19	7.16	30.7	80	--	--	--	--	--	--
MW-313	03/29/22	11.77	390	0.10	7.10	141.2	10	--	--	--	--	--	--
MW-313	06/28/22	17.40	631	1.12	6.65	10.8	154	--	--	--	--	--	--
MW-313	09/20/22	21.00	573	0.05	6.99	378.8	24	--	--	--	--	--	--
MW-313	12/13/22	11.68	548	0.15	6.38	-28.6	81	--	--	--	--	--	--
MW-313	03/28/23	10.12	553	1.48	8.42	-38.5	50	--	--	--	--	--	--
MW-313	06/14/23	16.96	632	0.32	8.03	-50.7	56	--	--	--	--	--	--
MW-313	09/12/23	20.47	440	0.22	6.70	28.4	41	--	--	--	--	--	--
MW-313	12/20/23	13.07	769	0.13	6.53	9.0	32	--	--	--	--	--	--
MW-313	03/12/24	10.34	600	3.59	7.03	24.3	50	--	--	--	--	--	--
MW-313	06/18/24	15.10	500	0.09	6.44	4.5	43	--	--	--	--	--	--

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

Sample ID	Sample Date	Field Parameters						Laboratory Parameters					
		Temperature °C	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-313	09/19/24	18.35	367	0.93	6.77	79.7	10	--	--	--	--	--	--
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	13.20	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	16.50	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	10.70	272	2.02	6.54	-7.9	58	--	--	--	--	--	--
MW-314	03/28/22	12.03	731	0.06	7.77	76.2	83	--	--	--	--	--	--
MW-314	06/28/22	15.70	819	0.46	6.36	-58.1	14	--	--	--	--	--	--
MW-314	09/20/22	19.23	638	0.10	6.48	351.7	13	--	--	--	--	--	--
MW-314	03/27/23	11.49	699	0.60	8.17	21.0	54	--	--	--	--	--	--
MW-314	06/14/23	16.38	720	2.6	7.63	-56.9	25	--	--	--	--	--	--
MW-314	12/20/23	12.58	269	0.21	6.31	-17.6	30	--	--	--	--	--	--
MW-314	06/19/24	14.81	693	0.05	6.47	40.3	17	--	--	--	--	--	--
MW-315	08/29/16	20.56	558	1.04	6.86	2	8.44	--	--	--	--	--	--

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

Sample ID	Sample Date	Field Parameters							Laboratory Parameters				
		Temperature °C	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-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	14.80	591	0.53	7.67	-70	8	--	--	--	--	--	--
MW-315	06/29/20	14.30	584	0.64	6.92	189.80	9	--	--	--	--	--	--
MW-315	09/21/20	16.70	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	13.10	289	2.23	6.65	-68.2	22	--	--	--	--	--	--
MW-315	06/16/21	8.01	501	1.37	6.79	0.9	3	--	--	--	--	--	--
MW-315	09/22/21	17.62	785	1.14	6.45	-19.0	10	--	--	--	--	--	--
MW-315	12/16/21	10.40	304	1.36	7.31	-8.2	10	--	--	--	--	--	--
MW-315	03/29/22	12.06	519	0.08	7.21	134.1	3	--	--	--	--	--	--
MW-315	06/28/22	14.40	583	0.48	6.44	-86.4	15	--	--	--	--	--	--
MW-315	09/20/22	17.79	634	0.10	7.32	356.7	5	--	--	--	--	--	--
MW-315	12/13/22	11.90	570	0.25	6.29	-23.1	87	--	--	--	--	--	--
MW-315	03/28/23	12.07	645	0.18	7.70	-76.2	14	--	--	--	--	--	--
MW-315	06/14/23	14.23	663	1.36	7.34	-43	20	--	--	--	--	--	--
MW-315	09/12/23	17.38	553	0.09	6.37	-112	8	--	--	--	--	--	--
MW-315	12/20/23	14.16	579	0.92	6.31	45.3	6	--	--	--	--	--	--
MW-315	03/12/24	10.85	630	2.82	6.96	-13.7	3	--	--	--	--	--	--



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

Sample ID	Sample Date	Field Parameters						Laboratory Parameters					
		Temperature °C	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-315	06/19/24	16.15	583	0.02	6.47	-14.0	15	--	--	--	--	--	--
MW-315	09/19/24	16.58	499	1.00	6.63	54.2	11	--	--	--	--	--	--
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	14.40	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	--	--	--	--	--	--
SH-04	12/15/21	11.60	140	0.15	9.84	-77.1	6	--	--	--	--	--	--
SH-04	04/18/22	9.00	220	0.09	8.12	64.6	39	--	--	--	--	--	--
SH-04	06/28/22	16.90	198	0.49	6.02	-11.9	16	--	--	--	--	--	--
SH-04	12/13/22	9.50	90	0.08	6.41	-25.2	20	--	--	--	--	--	--
SH-04	06/13/23	15.31	149	4.44	7.32	-48.1	18	--	--	--	--	--	--
SH-04	12/19/23	10.14	243	0.66	6.14	24.3	18	--	--	--	--	--	--
SH-04	06/18/24	14.42	352	0.20	6.34	206.1	19	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--	--	--

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

Sample ID	Sample Date	Field Parameters							Laboratory Parameters				
		Temperature °C	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	11/20/08	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	--	--
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

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

Sample ID	Sample Date	Field Parameters						Laboratory Parameters					
		Temperature °C	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	04/28/20	14.10	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	18.10	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	11.60	259	1.91	6.26	-6.2	40	--	--	--	--	--	--
TX-03A	06/16/21	9.02	416	1.35	7.60	39.3	3	--	--	--	--	--	--
TX-03A	09/23/21	17.45	633	1.17	6.09	-5.6	7	--	--	--	--	--	--
TX-03A	03/28/22	12.57	540	0.12	7.24	126.9	12	--	--	--	--	--	--
TX-03A	06/28/22	15.40	521	0.5	6.49	-91.2	14	--	--	--	--	--	--
TX-03A	09/21/22	16.84	473	0.41	7.29	348.7	29	--	--	--	--	--	--
TX-03A	12/13/22	14.22	368	0.25	6.43	-49.9	8	--	--	--	8.86	0.109 J	0.927
TX-03A	03/27/23	12.92	494	0.28	7.52	-64.4	19	--	--	--	--	--	--
TX-03A	06/14/23	16.15	441	0.89	7.21	-49.4	18	--	--	--	--	--	--
TX-03A	09/12/23	18.21	372	0.16	6.5	-109.7	1	--	--	--	--	--	--
TX-03A	12/20/23	14.33	339	0.79	6.42	-24.3	17	--	--	--	<1.5	0.36 J	0.803
TX-03A	03/11/24	11.84	378	2.82	6.76	-5.8	8	--	--	--	--	--	--
TX-03A	06/19/24	15.30	345	0.27	6.23	218.3	13	--	--	--	--	--	--
TX-03A	09/19/24	17.50	327	0.85	6.84	-29.2	9	--	--	--	--	--	--
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	--	--	--	--	--	--
TES-MW-1	12/14/21	11.20	93	0.70	7.71	132.1	34	--	--	--	--	--	--
TES-MW-1	12/12/22	11.24	430	0.61	6.89	130.7	1	--	--	--	--	--	--
TES-MW-1	12/19/23	12.39	90	5.91	5.63	147.3	2	--	--	--	--	--	--
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	--	--	--	--	--	--

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

Sample ID	Sample Date	Field Parameters						Laboratory Parameters					
		Temperature °C	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-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-04	12/15/21	10.40	207	0.21	8.32	-3.0	17	--	--	--	--	--	--
TX-04	12/13/22	12.40	199	0.07	6.40	-47.2	77	--	--	--	--	--	--
TX-04	12/19/23	13.95	185	0.11	6.53	-11.2	42	--	--	--	--	--	--
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	--	--	--	--	--	--
TX-06A	12/15/21	12.10	174	0.25	7.85	9.5	10	--	--	--	--	--	--
TX-06A	12/19/23	12.61	1,147	0.07	6.22	3.6	64	--	--	--	--	--	--

Notes:

= Indicates data collected during this progress report period

°C = degrees Celsius

µS/cm = microsiemens per centimeter

mg/L = milligrams per liter

ORP = oxidation-reduction potential

mV = millivolts

NTU = nephelometric turbidity unit

ND = not detected

< = 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 labo

J = indicates a estimated value

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

NM = not measured

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
Site-Specific 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	--

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
Site-Specific 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	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	<0.150	<0.240	<0.401	--
MW-05	12/15/21	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	<0.254	<0.424	--
MW-05	04/18/22	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	<0.235	<0.392	--
MW-05	06/29/22	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	<0.243	<0.405	--
MW-05	12/14/22	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	0.387	0.191 J	--
MW-05	06/13/23	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	<0.241	<0.401	--
MW-05	12/18/23	<0.00100	<0.00100	<0.00100	<0.00200	<0.100	0.238	0.680	--
MW-05	06/17/24	<0.00100	<0.00100	<0.00100	<0.00200	<0.150	0.122 J	0.224 J	--
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	< 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	--

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
Site-Specific 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	12/13/16	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.101	0.0983 J	< 0.0632	--
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-101	12/14/21	<0.000400	<0.00100	<0.00100	<0.00300	0.433	0.305	0.128 J	--
MW-101	12/12/22	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	<0.247	<0.411	--
MW-101	12/19/23	<0.00100	<0.00100	<0.00100	<0.00200	0.208	0.139	0.127 J	--
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	--

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
Site-Specific 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-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-102	12/16/21	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	<0.240	<0.401	--
MW-102	12/12/22	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	<0.226	0.143 J	--
MW-102	12/18/23	<0.00100	<0.00100	<0.00100	<0.00200	<0.100	0.0869 J	0.133 J	--
MW-104	01/15/04	0.0019	< 0.001	0.15	0.1028	<b>2.7</b>	1.2	< 0.5	0.00555
MW-104	01/15/04	0.0012	< 0.001	0.1	0.0706	<b>2</b>	1.3	< 0.5	< 0.005
MW-104	04/21/04	0.0066	0.0025	0.35	0.0931	<b>4.3</b>	1.7	< 0.5	0.00575
MW-104	07/28/04	0.0018	< 0.001	0.048	0.017	<b>2.2</b>	0.87	< 0.5	< 0.005
MW-104	07/28/04	0.0017	< 0.001	0.049	0.019	<b>2.1</b>	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	<b>1.4</b>	1.2	< 0.5	< 0.005
MW-104	07/12/05	0.0014	< 0.001	0.11	0.012	<b>1.8</b>	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	<b>2.07</b>	3.73	< 0.962	<b>0.0077</b>
MW-104	10/30/07	--	--	--	--	<b>1.25</b>	--	--	< 0.002
MW-104	05/20/08	--	--	--	--	<b>4.00</b>	2.10	< 0.5	--
MW-104	11/18/08	--	--	--	--	0.13	0.69	< 0.5	< 0.005
MW-104	04/08/09	--	--	--	--	<b>1.80</b>	1.60	< 0.1	0.00326
MW-104	11/17/09	< 0.0005	< 0.001	0.0016	< 0.001	0.21	0.17	< 0.1	<b>0.00778</b>
MW-104	04/27/10	--	--	--	--	<b>3.90</b>	2.50	0.27	0.00232
MW-104	10/26/10	--	--	--	--	0.23	0.23	< 0.1	--



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Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
Site-Specific 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	05/23/11	<0.0006	0.003	0.104	0.0018	<b>4.44</b>	0.45	<0.097	< 0.01
MW-104	10/25/11	--	--	--	--	<b>3.38</b>	0.413	< 0.20	< 0.01
MW-104	03/01/12	0.00079 J	0.0015	0.0467	0.0016 J	<b>3.69</b>	--	--	--
MW-104	06/13/12	--	--	--	--	<b>4.78</b>	0.423	< 0.10	< 0.01
MW-104	09/26/12	0.00066 J	0.0024	0.0509	0.0019 J	<b>4.54</b>	--	--	--
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	--	--	--	--	<b>5.07</b>	0.601	< 0.096	< 0.01
MW-104	11/07/13	--	--	--	--	<b>3.62</b>	0.666 J	< 0.095	< 0.01
MW-104	04/24/14	--	--	--	--	<b>5.68</b>	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	--	--	--	--	<b>2.82</b>	0.686	< 0.097	< 0.01
MW-104	12/09/15	--	--	--	--	< 0.100	0.408	< 0.398	< 0.00200
MW-104	05/05/16	--	--	--	--	<b>7.45</b>	2.85	0.144 J	0.00285
MW-104	12/14/16	--	--	--	--	<b>3.61</b>	2.22	0.155 J	0.000902 J
MW-104	06/14/17	--	--	--	--	<b>4.85</b>	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	--	--	--	--	<b>3.04</b>	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	--	--	--	--	<b>2.59</b>	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	--	--	--	--	<b>1.02</b>	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-104	12/15/21	--	--	--	--	0.300	0.456	0.175 J	<0.0600
MW-104	04/18/22	--	--	--	--	0.896	0.503	<0.393	<0.0600
MW-104	06/29/22	<0.000400	<0.00100	0.00106	<0.00300	0.648	0.381	<0.413	<0.0600
MW-104	12/14/22	--	--	--	--	0.153	2.57	1.01	<0.0600

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
Site-Specific 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	06/13/23	--	--	--	--	0.160	0.261	<0.393	0.00195 J
MW-104	12/19/23	--	--	--	--	0.466	1.68	1.14	0.00118 J
MW-104	06/19/24	--	--	--	--	<b>1.20</b>	1.24	0.856	0.00368
MW-105	01/15/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	1.4	< 0.5	<b>0.00647</b>
MW-105	04/21/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	0.65	< 0.5	<b>0.00793</b>
MW-105	07/27/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	2.2	< 0.5	<b>0.0128</b>
MW-105	10/19/04	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	1.8	< 0.5	<b>0.0311</b>
MW-105	01/24/05	< 0.001	< 0.001	< 0.001	< 0.001	< 0.25	3	< 0.5	<b>0.00824</b>
MW-105	04/18/05	< 0.001	< 0.001	< 0.001	< 0.001	< 0.05	1.3	0.78	<b>0.00615</b>
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	< 0.00046	< 0.050	0.189	< 0.095	<b>0.0179</b>
MW-105	11/05/14	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 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	<b>0.0152</b>
MW-105	12/14/16	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0178	0.850	0.377	<b>0.0116</b>
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	<b>0.0107</b>
MW-105	12/11/19	< 0.0000930	< 0.000312	< 0.000198	< 0.000442	< 0.0704	0.388	0.382 J	<b>0.00754</b>
MW-105	12/14/20	<0.00020	<0.0002	<0.00020	<0.0005	<0.250	1.81	0.972	0.00421
MW-105	12/15/21	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	0.523	0.670	<b>0.0324 J</b>

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
Site-Specific 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-105	12/14/22	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	1.25	0.679	<b>0.0143 J</b>
MW-105	12/18/23	<0.00100	<0.00100	<0.00100	<0.00200	<0.100	1.47	1.29	<b>0.0336</b>
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	--
MW-111	01/25/05	<b>0.079</b>	< 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	<b>0.0956</b>	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	0.230	0.370	< 0.5	--
MW-111	11/17/09	0.041	< 0.001	< 0.001	< 0.001	0.240	0.110	< 0.1	--
MW-111	10/26/10	0.0043	< 0.001	< 0.001	< 0.001	< 0.1	0.120	< 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	<b>0.0845</b>	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	<b>0.386</b>	0.00649	0.00291	0.00333	0.944	0.335	<0.388	--
MW-111	05/04/16	<b>0.0719</b>	0.00157	0.00158	0.00125 J	0.294	0.141	< 0.0598	--
MW-111	12/14/16	<b>0.248</b>	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	<b>0.202</b>	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	--

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
Site-Specific 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	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	0.120 J	<0.233	<0.389	--
MW-111	12/15/21	0.00337	0.00161	0.000247 J	0.00166 J	0.421	0.340	0.149 J	--
MW-111	04/18/22	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	<0.229	<0.381	--
MW-111	06/27/22	0.00274	<0.00100	<0.00100	<0.00300	0.110 J	0.118 J	<0.402	--
MW-111	12/14/22	0.0538	0.00333	0.000527 J	0.00259 J	0.490	1.31	0.326 J	--
MW-111	06/13/23	0.00132	<0.00100	<0.00100	<0.00300	<0.150	<0.232	<0.387	--
MW-111	12/19/23	0.0424	0.00191	<0.00100	0.00187 J	0.129	0.616	0.445	--
MW-111	06/17/24	0.00441	<0.00100	<0.00100	<0.00200	<0.150	0.142 J	0.199 J	--
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	0.300	1.30	< 0.5	--
MW-112A	11/18/09	0.00075	< 0.001	< 0.001	< 0.001	0.200	0.230	< 0.1	--
MW-112A	10/29/10	0.036	< 0.001	< 0.001	0.0015	0.770	0.600	< 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	0.200	< 0.20	--

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
	Site-Specific Cleanup Level:	<b>0.071</b>	<b>200</b>	<b>29</b>	<b>NE</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>0.0058</b>
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
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	0.760	1.43	0.295	--
MW-112A	12/08/15	0.0297	0.00368	0.00219	0.00406	<b>1.31</b>	5.89	< 0.389	--
MW-112A	05/05/16	0.0248	0.00131	0.0992	0.00688	<b>1.75</b>	7.96	0.132 J	--
MW-112A	12/12/16	0.0426	0.00666	0.0109	0.0103	<b>2.27</b>	2.77	0.180 J	--
MW-112A	06/15/17	0.0348	0.0037	0.02	0.00464 J	<b>1.46</b>	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	<b>2.39</b>	<b>12.6</b>	0.150 J	--
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	<b>2.00</b>	2.37	0.222 J	--
MW-112A	12/12/19	0.0149	0.00296	0.00154	0.00385	<b>1.91</b>	<b>12.2</b>	0.419 J	--
MW-112A	06/30/20	0.00354 J	0.000903 J	0.0215 J	0.00155 J	<b>1.05</b>	3.62	0.204 J	--
MW-112A	12/14/20	0.00442	0.00253	0.00186	0.00375	<b>1.77 J+</b>	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-112A	12/15/21	0.00235	0.00147	0.000665 J	0.00213 J	<b>2.34</b>	1.10	0.215 J	--
MW-112A	04/18/22	0.00102	0.000759 J	0.0279	0.00269 J	<b>1.87</b>	1.39	<0.389	--
MW-112A	06/28/22	0.00139	0.000935 J	0.0106	0.00263 J	<b>1.26</b>	0.675	<0.407	--
MW-112A	12/13/22	0.00263	0.00159	0.000729 J	0.00225 J	<b>1.06</b>	2.67	0.686	--
MW-112A	06/13/23	0.00246	0.00125	0.0289	0.00317	<b>1.29</b>	2.56	<0.389	--
MW-112A	12/19/23	0.00244	0.00245	0.00129	0.00423	<b>1.09</b>	3.22	0.883	--
MW-112A	06/18/24	0.00195	0.00148	0.0471	0.00349	<b>1.78</b>	5.30	0.644	--
MW-113	06/27/22	<b>0.156</b>	0.00522	0.00405	0.00540	<15	0.933	0.156 J	--
MW-113	12/14/22	0.0650	0.00466	<0.00100	<0.00300	0.177	1.24	0.440	--
MW-113	06/13/23	<b>0.396</b>	0.0322	0.00572	0.00476	0.488	1.30	<0.389	--
MW-113	12/19/23	0.0513	0.0156	<0.00100	0.000649 J	0.153	0.868	0.481	--

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
	<b>Site-Specific Cleanup Level:</b>	<b>0.071</b>	<b>200</b>	<b>29</b>	<b>NE</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>0.0058</b>
		<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>
MW-113	06/17/24	<b>0.162</b>	0.0248	0.00724 J	0.0209	0.412	3.56 J-	1.18 J-	--
MW-114	06/27/22	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	0.413	0.16 J	--
MW-114	12/14/22	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	0.339	0.523	--
MW-114	06/13/23	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	<0.246	<0.411	--
MW-114	12/19/23	<0.00100	<0.00100	<0.00100	<0.00200	<0.100	0.144	0.447	--
MW-114	06/17/24	<0.00100	<0.00100	<0.00100	<0.00200	<0.150	0.118 J	0.286 J	--
MW-115	06/27/22	<0.000400	<0.00100	<0.00100	<0.00300	0.372	4.93	0.24 J	--
MW-115	12/14/22	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	1.24	0.42 J	--
MW-115	06/13/23	<0.000400	<0.00100	<0.00100	<0.00300	0.328	2.77	<0.39	--
MW-115	12/19/23	<0.00100	<0.00100	<0.00100	<0.00200	0.334	2.46	0.872	--
MW-115	06/17/24	<0.00100	<0.00100	<0.00100	<0.00200	0.993	4.01	1.34	--
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	0.520	< 0.094	--

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
Site-Specific 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-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-201	12/12/22	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	0.556	0.163 J	--
MW-201	12/18/23	<0.00100	<0.00100	<0.00100	<0.00200	<0.100	0.255	0.551	--
MW-202	01/14/04	< 0.001	< 0.001	< 0.001	< 0.001	<b>2.5</b>	<b>15</b>	< 10	--
MW-202	04/20/04	0.014	0.0062	0.074	0.021	<b>4.4</b>	<b>28</b>	< 10	--
MW-202	01/26/05	< 0.005	< 0.005	< 0.005	< 0.005	<b>7.7</b>	5.2	< 5	--
MW-202	04/20/05	0.016	0.0022	0.036	0.0237	<b>3.7</b>	6.2	< 5	--
MW-202	07/13/05	0.016	0.0033	0.067	0.0191	<b>3.5</b>	6.2	< 1	--
MW-202	10/20/05	0.019	0.0021	0.058	0.0056	<b>3.3</b>	5.9	< 2.5	--
MW-202	01/26/06	0.0224	0.00598	0.041	0.0191	<b>5.79</b>	<b>11.2</b>	< 4.76	--
MW-202	04/25/06	0.00749	0.00378	0.062	0.0124	<b>6.78</b>	8.7	<4.85	--
MW-202	10/12/06	0.00936	0.00339	0.0828	0.00616	<b>5.65</b>	<b>11.5</b>	0.834	--
MW-202	04/26/07	0.00825	0.0048	0.063	<0.015	<b>4.78</b>	8.24	1.05	--
MW-202	10/30/07	--	--	--	--	<b>4.55</b>	<b>10.9</b>	< 1	--
MW-202	05/20/08	--	--	--	--	<b>2.3</b>	1.8	< 2.5	--
MW-202	11/20/08	--	--	--	--	<b>5.0</b>	2.2	< 0.5	--
MW-202	04/07/09	--	--	--	--	<b>4.8</b>	<b>14</b>	< 0.1	--
MW-202	11/19/09	--	--	--	--	<b>6.6</b>	<b>20</b>	< 0.5	--
MW-202	04/27/10	--	--	--	--	<b>3.3</b>	6.4	0.12	--
MW-202	10/27/10	0.0081	0.0031	0.066	0.0022	<b>6.0</b>	5.4	< 0.1	--
MW-202	05/23/11	--	--	--	--	<b>3.5</b>	1.84	< 0.097	--

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
Site-Specific 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	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	--	--	--
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	5.10	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	4.10	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	36.6	0.641	--
MW-202	06/14/21	--	--	--	--	1.32	4.52	0.327 J	--
MW-202	12/16/21	0.00275	0.000751 J	0.00121	0.00169 J	3.71	17.0	0.706	--
MW-202	06/29/22	--	--	--	--	3.33	2.84	1.09	--
MW-202	12/12/22	0.00314	0.00111	0.00193	0.00155 J	2.98	22.1	0.505	--
MW-202	06/12/23	--	--	--	--	0.947	2.18	0.365 J	--
MW-202	12/18/23	0.00276	0.000818 J	0.000989 J	0.00672 J	1.05	14.5	0.990	--



**Table 6**  
**BTEX, Petroleum Hydrocarbons, and Lead in Groundwater**  
**Shell Harbor Island Terminal**  
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Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
	<b>Site-Specific Cleanup Level:</b>	<b>0.071</b>	<b>200</b>	<b>29</b>	<b>NE</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>0.0058</b>
		<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>
MW-202	06/18/24	--	--	--	--	0.488	3.43	0.688	--
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	<b>2.6</b>	0.45	< 0.5	--
MW-203	10/19/04	0.013	< 0.001	0.015	0.0025	<b>1.6</b>	< 0.25	< 0.5	--
MW-203	10/19/04	0.017	< 0.001	0.012	0.0018	<b>1.4</b>	< 0.25	< 0.5	--
MW-203	01/25/05	0.0063	< 0.001	0.011	0.0013	<b>1.6</b>	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	<b>4.2</b>	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	<b>1.38</b>	0.660	0.625	--
MW-203	10/13/16	0.023	0.00553	0.00448	0.00652	<b>6.22</b>	7.39	1.34	--
MW-203	04/27/17	0.00502	<0.0005	0.00053	<0.003	<b>1.24</b>	0.507	0.515	--
MW-203	05/20/08	--	--	--	--	0.60	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	--	--	--	--	<b>1.38</b>	0.262	0.118	--
MW-203	06/13/12	--	--	--	--	0.459	0.134	0.332	--
MW-203	11/27/12	--	--	--	--	<b>1.05</b>	0.0943 J	< 0.10	--
MW-203	05/15/13	--	--	--	--	0.144 J	< 0.048	< 0.096	--
MW-203	11/06/13	--	--	--	--	0.680	< 0.047	< 0.094	--

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
	Site-Specific 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	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	--
MW-203	5/5/2016 DUP	--	--	--	--	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	--	--	--	--	<b>1.56</b>	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	--	--	--	--	<b>1.74</b>	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	--	--	--	--	<0.150	<0.246	0.267 J	--
MW-203	12/16/21	--	--	--	--	0.129 J	0.138 J	0.273 J	--
MW-203	06/28/22	--	--	--	--	0.0343 J	0.645	1.56	--
MW-203	12/14/22	--	--	--	--	0.227	0.993	0.350 J	--
MW-203	06/12/23	--	--	--	--	0.944	2.91	0.383	--
MW-203	12/20/23	--	--	--	--	<0.100	0.0750 J	0.226 J	--
MW-203	06/18/24	--	--	--	--	0.0923 J	0.397	0.754	--
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	--

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
Site-Specific 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-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-204	12/16/21	0.000342 J	<0.00100	<0.00100	<0.00300	<0.150	0.379	0.413	--
MW-204	12/12/22	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	0.351	0.458	--
MW-204	12/18/23	<0.00100	<0.00100	<0.00100	<0.00200	<0.100	0.364	0.601	--
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	--

**Table 6**  
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**Shell Harbor Island Terminal**  
**Seattle, Washington**

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
Site-Specific 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	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	--
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	0.180	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-206A	12/16/21	< 0.000400	< 0.00100	< 0.00100	< 0.00300	< 0.150	0.150 J	0.215 J	--
MW-206A	12/12/22	< 0.000400	< 0.00100	< 0.00100	< 0.00300	< 0.150	0.264	0.575	--
MW-206A	12/18/23	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.100	0.246	0.783	--
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	--

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
Site-Specific 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-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	--

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
	<b>Site-Specific Cleanup Level:</b>	<b>0.071</b>	<b>200</b>	<b>29</b>	<b>NE</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>0.0058</b>
		<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>
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	<0.150	<0.235	<0.392	--
MW-213	12/16/21	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	0.158 J	0.199 J	--
MW-213	06/29/22	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	0.163 J	<0.475	--
MW-213	12/12/22	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	0.270	0.268 J	--
MW-213	06/12/23	<0.000400	<0.00100	<0.00100	<0.00300	0.0426 J	<0.224	<0.373	--
MW-213	12/18/23	<0.00100	<0.00100	<0.00100	<0.00200	<0.100	0.271	0.396	--
MW-213	06/19/24	<0.00100	<0.00100	<0.00100	<0.00200	0.0946 J	0.288	0.349	--
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	--
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	--

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
Site-Specific 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	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	0.130	< 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	<0.150	0.122 J	<0.395	--
MW-214	12/16/21	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	0.172 J	0.129 J	--
MW-214	06/29/22	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	0.181 J	0.135 J	--
MW-214	12/12/22	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	0.367	0.275 J	--
MW-214	06/12/23	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	<0.233	<0.389	--
MW-214	12/18/23	<0.00100	<0.00100	<0.00100	<0.00200	<0.100	0.293	0.398	--

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
	<b>Site-Specific Cleanup Level:</b>	<b>0.071</b>	<b>200</b>	<b>29</b>	<b>NE</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>0.0058</b>
		<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>
MW-214	06/19/24	<0.00100	<0.00100	<0.00100	<0.00200	<0.150	<0.210	<0.368	--
MW-301	03/02/12	<b>0.24</b>	0.0138	0.0099	0.0212	<b>3.37</b>	--	--	--
MW-301	09/25/12	<b>0.333</b>	0.0131	0.0186	0.0192	<b>4.02</b>	--	--	--
MW-301	11/28/12	<b>0.241</b>	0.0099	0.0125	0.0106	<b>2.76</b>	--	--	--
MW-301	02/21/13	<b>0.659</b>	0.0175	0.0264	0.0173 J	<b>3.98</b>	0.315	< 0.10	--
MW-301	05/15/13	<b>0.357</b>	0.0122	0.0231	0.0145	<b>3.63</b>	--	--	--
MW-301	11/04/13	<b>0.16</b>	0.0097	0.0164	0.0109	<b>2.29</b>	--	--	--
MW-301	04/23/14	<b>0.252</b>	0.0072	0.0135	0.0075	<b>3.57</b>	--	--	--
MW-301	07/24/14	<b>0.314</b>	0.008	0.0143	0.0096	<b>3.70</b>	0.361	< 0.094	--
MW-301	11/03/14	<b>0.108</b>	0.0043 J	0.0046 J	0.0051 J	<b>1.76</b>	--	--	--
MW-301	03/09/15	<b>0.222</b>	0.0067	0.0065	0.0062 J	<b>2.27</b>	--	--	--
MW-301	05/21/15	<b>0.194</b>	0.0069	0.01	0.0060 J	<b>2.24</b>	--	--	--
MW-301	07/28/15	<b>0.116</b>	0.0036	0.0037	0.0019 J	<b>2.09</b>	--	--	--
MW-301	12/10/15	0.0437	0.00351	0.00104	0.00551	<b>1.34</b>	--	--	--
MW-301	02/22/16	<b>0.28</b>	0.00881	0.0104	0.00746	<b>3.65</b>	--	--	--
MW-301	05/02/16	<b>0.17</b>	0.00834	0.0138	0.00663	<b>3.32</b>	--	--	--
MW-301	08/29/16	0.0647	0.00551	0.0103	0.0064	<b>2.9</b>	--	--	--
MW-301	12/12/16	<b>0.251</b>	0.00745	0.0173	0.00633	<b>3.00</b>	--	--	--
MW-301	03/13/17	<b>0.206</b>	0.00771	0.0117	0.00585	<b>3.02</b>	--	--	--
MW-301	06/13/17	<b>0.111</b>	0.00659 J	0.0128	0.00713 J	<b>2.50</b>	--	--	--
MW-301	08/22/17	0.0652	0.00472	0.0108	0.00366	<b>1.93</b>	--	--	--
MW-301	12/05/17	0.0222	0.00228	0.00217	0.00272 J	<b>1.67</b>	--	--	--
MW-301	03/06/18	<b>0.207</b>	0.00303	0.00542	0.00248 J	<b>1.32</b>	--	--	--
MW-301	06/13/18	0.0132	0.00108	0.00239	0.000821 J	<b>1.27</b>	--	--	--
MW-301	09/06/18	0.00368	0.000585 J	0.000352 J	0.000489 J	<b>1.45</b>	--	--	--
MW-301	12/20/18	0.0175	0.000688 J	0.00259	0.000536 J	0.445	--	--	--



**Table 6**  
**BTEX, Petroleum Hydrocarbons, and Lead in Groundwater**  
**Shell Harbor Island Terminal**  
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Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
	<b>Site-Specific Cleanup Level:</b>	<b>0.071</b>	<b>200</b>	<b>29</b>	<b>NE</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>0.0058</b>
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-301	03/19/19	<b>0.0999</b>	0.00182	0.00923	0.00182 J	<b>1.34</b>	--	--	--
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	<b>1.69</b>	--	--	--
MW-301	06/15/21	0.0168	0.00103	0.00822	0.00101 J	0.439	--	--	--
MW-301	09/22/21	0.00333	<0.00100	0.00200	0.000535 J	0.226	--	--	--
MW-301	12/16/21	0.0185	0.000723 J	0.00439	0.000768 J	0.471	--	--	--
MW-301	03/29/22	0.0308	0.000663 J	0.00248	0.00113 J	0.572	--	--	--
MW-301	06/28/22	0.0215	0.000854 J	0.00316	0.000735 J	0.478	--	--	--
MW-301	09/21/22	0.00932	0.000952 J	0.00172	0.000953 J	0.245	--	--	--
MW-301	12/13/22	0.0242	0.00151	0.000703 J	0.00148 J	--	--	--	--
MW-301	03/28/23	<b>0.0782</b>	0.00502	0.0129	0.00396	0.952	--	--	--
MW-301	06/14/23	<b>0.11</b>	0.00408	0.00609	0.00315	0.794	--	--	--
MW-301	09/11/23	0.0704	0.00526	0.000846 J	0.00300	0.590	--	--	--
MW-301	12/20/23	0.0289	0.00480	0.00380	0.00384	0.804	--	--	--
MW-301	03/12/24	0.0193	0.00346	0.00339	0.00351	<b>1.02</b>	--	--	--
MW-301	06/18/24	<b>0.0864</b>	0.00359	0.00121	0.00896	<b>1.44</b>	--	--	--
MW-301	09/18/24	0.0371	0.00514	0.000608 J	0.00710	<b>1.15</b>	--	--	--
MW-302	03/01/12	<b>0.831</b>	0.0275	0.213	0.248	<b>5.33</b>	--	--	--
MW-302	06/12/12	<b>0.574</b>	0.0156	0.0183	0.0244	<b>4.18</b>	--	--	--
MW-302	06/28/12	<b>1.23</b>	0.0437	0.403	0.289	<b>5.65</b>	--	--	--

**Table 6**  
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**Seattle, Washington**

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
	<b>Site-Specific Cleanup Level:</b>	<b>0.071</b>	<b>200</b>	<b>29</b>	<b>NE</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>0.0058</b>
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-302	09/25/12	<b>0.657</b>	0.0247	0.18	0.106	<b>4.07</b>	--	--	--
MW-302	11/25/12	<b>0.449</b>	0.0152	0.191	0.177	<b>4.58</b>	--	--	--
MW-302	02/22/13	<b>0.393</b>	0.0149	0.124	0.116	<b>4.15</b>	0.435	< 0.10	--
MW-302	05/14/13	<b>0.873</b>	0.0231	0.236	0.145	<b>4.19</b>	--	--	--
MW-302	09/05/13	<b>0.783</b>	0.0189	0.162	0.0746	<b>3.70</b>	--	--	--
MW-302	11/05/13	<b>0.607</b>	0.0112	0.0977	0.0529	<b>2.69</b>	--	--	--
MW-302	01/16/14	<b>0.404</b>	0.0161	0.0843	0.0504	<b>3.54</b>	--	--	--
MW-302	04/23/14	<b>0.98</b>	0.0269	0.276	0.232	<b>5.86</b>	--	--	--
MW-302	07/24/14	<b>0.656</b>	0.0206	0.178	0.131	<b>4.66</b>	0.363	< 0.094	--
MW-302	11/03/14	<b>0.506</b>	0.0159	0.221	0.176	<b>4.06</b>	0.361	< 0.094	--
MW-302	05/21/15	<b>0.454</b>	0.0161	0.174	0.15	<b>3.44</b>	--	--	< 0.010
MW-302	12/10/15	<b>0.372</b>	0.00853	0.0139	0.0176	<b>2.16</b>	1	< 0.391	--
MW-302	05/04/16	<b>0.595</b>	0.0145	0.27	0.153	<b>3.75</b>	--	--	--
MW-302	12/15/16	<b>0.759</b>	0.0263	0.453	0.117	<b>5.08</b>	1.73	< 0.0630	--
MW-302	06/13/17	<b>0.487</b>	0.0146 J	0.215	0.0524 J	<b>1.98</b>	--	--	--
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	<b>1.79</b>	9.96	0.209 J	--
MW-302	03/07/18	0.0707	0.00314	0.043	0.00763	<b>1.61</b>	--	--	--
MW-302	06/13/18	0.0591	0.00363	0.0481	0.0227	<b>1.00</b>	--	--	--
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	<b>1.84 J</b>	--	--	--
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	<b>1.23</b>	--	--	--
MW-302	06/30/20	0.0219	0.00152	0.0368	0.00590 J	<b>1.23</b>	--	--	--

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
	<b>Site-Specific Cleanup Level:</b>	<b>0.071</b>	<b>200</b>	<b>29</b>	<b>NE</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>0.0058</b>
		<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>
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-	<b>1.84</b>	<b>10.80</b>	0.529	--
MW-302	04/13/21	0.00616 J-	0.000526 J	0.0178 J-	0.00419 J-	<b>1.85</b>	--	--	--
MW-302	06/15/21	0.0203	0.00193	0.0614	0.0101	0.886	--	--	--
MW-302	09/23/21	0.0184	0.00373	0.0585	0.00883	0.637	--	--	--
MW-302	12/16/21	0.00644	0.000755 J	0.0211	0.00374	<b>1.19</b>	6.39	0.622	--
MW-302	03/28/22	0.00516	0.000712 J	0.0122	0.00292 J	<b>1.18</b>	--	--	--
MW-302	06/28/22	0.00282	0.000505 J	0.0214	0.00456	0.414	--	--	--
MW-302	09/21/22	0.00527	0.00190	0.0296	0.00693	0.540	--	--	--
MW-302	12/13/22	<0.000400	<0.00100	<0.00100	<0.00300	0.198	0.387	0.145 J	--
MW-302	03/27/23	0.00557	<0.00100	<0.00100	0.00369	0.508	--	--	--
MW-302	06/13/23	0.0298	0.00162	0.00816	0.00170 J	0.554	--	--	--
MW-302	09/12/23	0.0373	0.00480	<0.00100	0.00694	<b>1.26</b>	--	--	--
MW-302	12/20/23	0.00329	0.000795 J	<0.00100	0.00154 J	0.680	2.90	0.878	--
MW-302	03/11/24	0.00668	<0.00100	<0.00100	<0.00200	0.297	--	--	--
MW-302	06/18/24	0.0352	0.00207	<0.00100	0.00479	0.659	--	--	--
<b>MW-302</b>	<b>09/19/24</b>	<b>0.112</b>	<b>0.00532 J</b>	<b>&lt;0.0100</b>	<b>0.00688 J</b>	<b>1.20 J</b>	<b>--</b>	<b>--</b>	<b>--</b>
MW-303	03/02/12	<b>3.13</b>	0.0759	0.76	0.232	<b>12.3</b>	--	--	--
MW-303	06/13/12	<b>2.9</b>	0.0957	0.884	0.268	<b>12.5</b>	--	--	--
MW-303	09/25/12	<b>1.83</b>	0.0635	0.474	0.146	<b>9.14</b>	--	--	--
MW-303	11/28/12	<b>1.94</b>	0.0873	1.18	0.319	<b>12.6</b>	--	--	--
MW-303	02/21/13	<b>2.34</b>	0.0955	1.29	0.338	<b>12.8</b>	0.674	< 0.10	--
MW-303	05/15/13	<b>1.9</b>	0.0864	0.983	0.272	<b>10.6</b>	--	--	--
MW-303	11/04/13	<b>0.884</b>	0.0278	0.219	0.0544	<b>6.11</b>	--	--	--
MW-303	04/23/14	<b>1.58</b>	0.071	1.114	0.224	<b>11.8</b>	--	--	--
MW-303	07/24/14	<b>0.808</b>	0.0471	0.653	0.161	<b>9.76</b>	0.622	< 0.094	--

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
	<b>Site-Specific Cleanup Level:</b>	<b>0.071</b>	<b>200</b>	<b>29</b>	<b>NE</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>0.0058</b>
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-303	11/04/14	<b>1.42</b>	0.0618	0.924	0.18	<b>11.5</b>	1.00	1.15	--
MW-303	05/20/15	<b>0.669</b>	0.0432	0.713	0.157	<b>7.90</b>	--	--	--
MW-303	12/08/15	<b>1.19</b>	0.071	1.33	< 0.300	<b>7.60</b>	2.45	< 0.398	--
MW-303	05/04/16	<b>0.704</b>	0.0625	1.82	0.287	<b>8.60</b>	--	--	--
MW-303	12/12/16	<b>0.831</b>	0.0482	1.45	0.176	<b>8.31</b>	2.52	< 0.0602	--
MW-303	06/13/17	<b>0.353</b>	0.0408	1.54	0.19	<b>5.69</b>	--	--	--
MW-303	12/05/17	<b>0.104</b>	0.0116 J	0.3	0.0400 J	<b>4.29</b>	7.49	< 0.125	--
MW-303	03/06/18	0.039	0.0154	0.147 J	0.0352	<b>2.50</b>	--	--	--
MW-303	06/13/18	<b>0.157</b>	0.0151 J	0.39	0.0317 J	<b>2.94 J</b>	--	--	--
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	<b>2.48</b>	--	--	--
MW-303	05/16/19	0.0173	0.0017	0.0869	0.00541	<b>1.33</b>	--	--	--
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	<b>2.46</b>	--	--	--
MW-303	06/30/20	0.0152	0.000897 J	0.0386	0.00696	<b>2.64</b>	--	--	--
MW-303	09/22/20	0.02	0.00254	0.153	0.00623	<b>1.86</b>	--	--	--
MW-303	12/15/20	0.0150 J-	0.00412 J-	0.119 J-	0.0146 J-	<b>3.34</b>	5.28	<0.389	--
MW-303	04/13/21	0.0135 J-	0.00170 J-	0.0371 J-	0.0104 J-	<b>4.07</b>	--	--	--
MW-303	06/15/21	0.0258	0.00343	0.133	0.00867	<b>1.94</b>	--	--	--
MW-303	09/22/21	<b>0.252</b>	0.00724	0.344	0.0194	<b>2.29</b>	--	--	--
MW-303	12/15/21	0.0248	0.000620 J	0.0142	0.00435	<b>2.39</b>	6.51	0.385 J	--
MW-303	03/28/22	0.0270	0.00196	0.0638	0.00892	<b>2.63</b>	--	--	--
MW-303	06/28/22	<b>0.107</b>	0.00303	0.0272	0.00922	<b>2.25</b>	--	--	--
MW-303	09/21/22	<b>0.216</b>	0.00710	0.0558	0.0121	<b>1.99</b>	--	--	--
MW-303	12/13/22	<b>0.139</b>	0.00483	0.0580	0.00982	<b>1.18</b>	3.73	0.321 J	--

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
	<b>Site-Specific Cleanup Level:</b>	<b>0.071</b>	<b>200</b>	<b>29</b>	<b>NE</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>0.0058</b>
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-303	03/28/23	0.0282	0.00281	0.14	0.0122	<b>1.14</b>	--	--	--
MW-303	06/14/23	<b>0.0999</b>	0.00403	0.0399	0.00813	<b>1.26</b>	--	--	--
MW-303	09/11/23	<b>0.366</b>	0.0119	0.0674	0.0179	<b>2.22</b>	--	--	--
MW-303	12/20/23	0.0271	0.00114	0.0133	0.00344	0.924	3.47	0.6	--
MW-303	03/12/24	0.0137	0.00125	0.0298	0.00490	<b>1.33</b>	--	--	--
MW-303	06/18/24	0.0443	0.00238	0.0748	0.00929	<b>2.59</b>	--	--	--
MW-303	09/18/24	<b>0.305</b>	0.00821 J	0.101	0.0147 J	<b>2.91</b>	--	--	--
MW-304	03/01/12	<b>0.686</b>	0.0351	0.214	0.264	<b>5.64</b>	--	--	--
MW-304	06/12/12	<b>1.04</b>	0.0408	0.27	0.218	<b>5.98</b>	--	--	--
MW-304	09/25/12	<b>0.63</b>	0.024	0.198	0.105	<b>3.93</b>	--	--	--
MW-304	11/28/12	<b>0.411</b>	0.0244	0.306	0.252	<b>5.89</b>	--	--	--
MW-304	02/22/13	<b>0.507</b>	0.0225	0.208	0.149	<b>5.56</b>	0.762	0.186 J	--
MW-304	05/14/13	<b>0.645</b>	0.0283	0.209	0.144	<b>4.73</b>	--	--	--
MW-304	09/05/13	<b>0.862</b>	0.0188	0.0849	0.0616	<b>3.09</b>	--	--	--
MW-304	11/05/13	<b>0.695</b>	0.0163	0.0629	0.054	<b>2.67</b>	--	--	--
MW-304	01/16/14	<b>0.79</b>	0.0194	0.0472	0.0571	<b>4.89</b>	--	--	--
MW-304	04/23/14	<b>0.778</b>	0.0248	0.185	0.147	<b>5.93</b>	--	--	--
MW-304	07/24/14	<b>0.437</b>	0.0173	0.109	0.0666	<b>3.59</b>	0.557	< 0.094	--
MW-304	11/03/14	<b>1.11</b>	0.0421	0.48	0.214	<b>3.32</b>	0.366	< 0.094	--
MW-304	05/20/15	<b>0.486</b>	0.0136	0.115	0.0373	<b>3.30</b>	--	--	< 0.010
MW-304	12/10/15	<b>0.775</b>	0.0312	0.336	0.114	<b>4.37</b>	1.55	< 0.387	--
MW-304	05/04/16	<b>0.527</b>	0.0187	0.355	0.0559	<b>4.05</b>	--	--	--
MW-304	12/15/16	<b>0.749</b>	0.0271	0.586	0.0664	<b>5.75</b>	1.78	0.0686 J	--
MW-304	06/13/17	<b>0.209</b>	0.0113	0.413	0.0246 J	<b>2.20</b>	--	--	--
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	3.20	< 0.122	--

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
Site-Specific 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	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	1.50	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	0.230	--	--	--
MW-304	09/22/21	0.0389	<0.00100	0.000696 J	<0.00300	0.225	--	--	--
MW-304	12/16/21	0.00339	<0.00100	0.00132	0.000646 J	0.406	1.86	0.292 J	--
MW-304	03/28/22	0.0276	0.000750 J	0.00125	0.000843 J	0.624	--	--	--
MW-304	06/28/22	0.0169	0.000903 J	0.00318	0.00112 J	0.549	--	--	--
MW-304	09/20/22	<b>0.133</b>	0.000434 J	0.00181	0.00134 J	0.594	--	--	--
MW-304	12/13/22	0.00466	<0.00100	0.000588 J	0.000748 J	0.364	2.15	0.674	--
MW-304	03/27/23	0.0692	0.00300	0.000721 J	0.00585	0.609	--	--	--
MW-304	06/14/23	<b>0.116</b>	0.00502	0.000506 J	0.00815	0.734	--	--	--
MW-304	09/11/23	<b>0.0911</b>	0.00648	0.00167	0.0147	0.938	--	--	--
MW-304	12/20/23	0.0249	0.00186	<0.00100	0.00558	0.613	2.23	0.692	--
MW-304	03/12/24	0.0127	<0.00100	<0.00100	0.00255	0.574	--	--	--
MW-304	06/18/24	<b>0.273</b>	0.0132	0.000734 J	0.0313	<b>1.72</b>	--	--	--
MW-304	09/18/24	<b>0.290</b>	0.0119	<0.0100	0.0347	<b>1.82</b>	--	--	--

**Table 6**  
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**Shell Harbor Island Terminal**  
**Seattle, Washington**

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
	<b>Site-Specific Cleanup Level:</b>	<b>0.071</b>	<b>200</b>	<b>29</b>	<b>NE</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>0.0058</b>
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-305	03/01/12	<b>1.14</b>	0.0227	0.0389	0.0375 J	<b>5.84</b>	--	--	--
MW-305	06/11/12	<b>1.34</b>	0.0221	0.0517	0.0331 J	<b>5.97</b>	--	--	--
MW-305	09/26/12	<b>1.27</b>	0.0229	0.0388	0.0355 J	<b>5.89</b>	--	--	--
MW-305	11/28/12	<b>0.286</b>	0.0061	0.0032 J	0.014	<b>1.53</b>	--	--	--
MW-305	05/15/13	<b>0.397</b>	0.0263	0.290	0.0867	<b>6.28</b>	--	--	--
MW-305	11/07/13	<b>0.0844</b>	0.0250	0.216	0.0919	<b>3.59</b>	--	--	--
MW-305	04/23/14	<b>0.0884</b>	0.0139	0.0941	0.0454	<b>2.82</b>	--	--	--
MW-305	11/06/14	0.0419	0.0052	0.002	0.0306	<b>1.16</b>	--	--	--
MW-305	05/21/15	<b>0.120</b>	0.0101	0.191	0.108	<b>2.81</b>	--	--	--
MW-306	03/01/12	<b>0.606</b>	0.015	0.0353	0.718	<b>4.74</b>	--	--	--
MW-306	06/11/12	<b>0.393</b>	0.0115	0.0509	0.763	<b>5.09</b>	--	--	--
MW-306	09/26/12	<b>1.05</b>	0.0261	0.135	0.147	<b>6.56</b>	--	--	--
MW-306	11/28/12	<b>0.393</b>	0.0125	0.0183	0.0895	<b>3.06</b>	--	--	--
MW-306	05/15/13	<b>0.746</b>	0.0472	0.837	3.70	<b>18.5</b>	--	--	--
MW-306	11/07/13	<b>0.101</b>	0.0502	0.482	2.65	<b>12.8</b>	--	--	--
MW-306	04/23/14	<b>0.0762</b>	0.0345	0.325	1.97	<b>11.0</b>	--	--	--
MW-306	11/06/14	<b>0.119</b>	0.0226	0.302 J	0.939 J	<b>5.59</b>	--	--	--
MW-306	05/21/15	<b>0.106</b>	0.0354 J	0.874	5.15	<b>20.6</b>	--	--	--
MW-307	11/26/12	<b>2.15</b>	0.0858	0.833	0.513	<b>10.9</b>	--	--	--
MW-307	02/22/13	<b>0.497</b>	0.0358	0.226	0.145	<b>6.02</b>	0.604	< 0.094	--
MW-307	05/15/13	<b>0.437</b>	0.0461	0.167	0.120	<b>4.56</b>	--	--	--
MW-307	09/05/13	<b>0.643</b>	0.0645	0.154	0.131	<b>5.30</b>	--	--	--
MW-307	11/06/13	<b>0.568</b>	0.0448 J	0.104	0.0912	<b>4.39</b>	--	--	--
MW-307	04/22/14	<b>0.520</b>	0.0408	0.241	0.152	<b>5.68</b>	--	--	--

**Table 6**  
**BTEX, Petroleum Hydrocarbons, and Lead in Groundwater**  
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**Seattle, Washington**

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
	<b>Site-Specific Cleanup Level:</b>	<b>0.071</b>	<b>200</b>	<b>29</b>	<b>NE</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>0.0058</b>
		<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>
MW-307	11/04/14	<b>0.596</b>	0.039	0.176	0.095	<b>5.16</b>	0.632	< 0.095	--
MW-307	03/09/15	<b>0.444</b>	0.0358	0.271	0.104	<b>5.41</b>	--	--	--
MW-307	05/19/15	<b>0.306</b>	0.0273	0.140	0.0673	<b>3.44</b>	0.479	< 0.096	--
MW-307	07/29/15	<b>0.298</b>	0.0245	0.109	0.0434	<b>4.09</b>	--	--	--
MW-307	12/09/15	<b>0.699</b>	0.0585	0.334	0.131	<b>5.03</b>	1.63	< 0.392	--
MW-307	02/23/16	<b>0.498</b>	0.0417	0.578	0.110 J	<b>4.98</b>	--	--	--
MW-307	05/03/16	<b>0.469</b>	0.0338	0.456	0.0981	<b>5.04</b>	1.55	< 0.0597	--
MW-307	08/30/16	<b>0.261</b>	0.0299	0.222	0.195	<b>5.13</b>	--	--	--
MW-307	12/13/16	<b>0.275</b>	0.0255	0.302	0.102	<b>4.02</b>	1.34	0.0812 J	--
MW-307	03/14/17	<b>0.418</b>	0.0311	0.540	0.136	<b>6.33</b>	--	--	--
MW-307	06/15/17	<b>0.166</b>	0.0242	0.283	0.194 J	<b>4.18</b>	1.32	< 0.121	--
MW-307	08/23/17	<b>0.102 J</b>	0.0162	0.095	0.0912	<b>3.22</b>	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	<b>0.150</b>	0.0158	0.134	0.0255	<b>2.09</b>	--	--	--
MW-307	06/14/18	<b>0.243</b>	0.0256	0.315	0.0329	<b>2.71</b>	1.45	< 0.120	--
MW-307	09/05/18	0.0507	0.00339	0.016	0.00343	<b>1.45</b>	--	--	--
MW-307	12/19/18	0.027	0.000413 J	0.0119	0.00153 J	<b>1.17</b>	1.79	0.396 J	--
MW-307	03/18/19	0.0587	0.00269	0.0500	0.00393	0.965	--	--	--
MW-307	05/16/19	0.0324	0.00693	0.0260	0.0113	<b>2.47</b>	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	<b>0.0974</b>	0.00608	0.159	0.0267	<b>1.45</b>	--	--	--
MW-307	06/29/20	<b>0.0946</b>	0.00479	0.0909	0.0164	<b>1.18</b>	7.11	0.273 J	--
MW-307	09/21/20	<b>0.210</b>	0.0102	0.156	0.0516	<b>2.01</b>	--	--	--
MW-307	12/16/20	<b>0.106 J-</b>	0.0072 J-	0.0622 J	0.0336 J-	<b>1.52</b>	7.75	<0.379	--
MW-307	04/12/21	<b>0.133 J</b>	0.0228 J-	0.0930 J	0.0950 J	<b>4.06 J+</b>	--	--	--
MW-307	06/14/21	<b>0.230</b>	0.0180	0.282	0.0885	<b>2.02</b>	6.68	0.422	--



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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
	<b>Site-Specific Cleanup Level:</b>	<b>0.071</b>	<b>200</b>	<b>29</b>	<b>NE</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>0.0058</b>
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-307	09/22/21	<b>0.135</b>	0.0145	0.109	0.0717	<b>1.83</b>	--	--	--
MW-307	12/14/21	0.0426	0.00493	0.0921	0.0402	<b>2.39</b>	4.92	0.492	--
MW-307	03/28/22	<b>0.0982</b>	0.0223	0.147	0.0988	<b>3.69</b>	--	--	--
MW-307	06/29/22	<b>0.149</b>	0.0318	0.176	0.158 J	<b>2.87</b>	4.02	0.33 J	--
MW-307	09/20/22	<b>0.16</b>	0.0199	0.117	0.108	<b>2.49</b>	--	--	--
MW-307	12/12/22	<b>0.0820</b>	0.0190	0.0740	0.0793	<b>2.00</b>	5.93	0.699	--
MW-307	03/27/23	0.0698	0.00305	0.000735 J	0.00571	0.569	--	--	--
MW-307	06/13/23	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	<0.247	<0.412	--
MW-307	09/11/23	0.0545	0.0216	0.0856	0.0928	<b>2.87</b>	--	--	--
MW-307	12/19/23	0.0303	0.0101	0.0260	0.0431	<b>2.00</b>	6.73	0.923	--
MW-307	03/11/24	0.0183	0.00743	0.0267	0.0276	<b>1.09</b>	--	--	--
MW-307	06/19/24	0.0498	0.0164 J+	0.0679	0.0416	<b>2.46</b>	3.55 J-	0.440 J-	--
MW-307	09/18/24	0.0440	0.0124	0.0284	0.0356	<b>2.37</b>	--	--	--
MW-308	11/26/12	<b>0.144</b>	0.0010 J	0.0072	0.0013 J	0.778	--	--	--
MW-308	02/22/13	<b>0.668</b>	0.0078 J	0.0443	0.0059 J	<b>3.48</b>	0.354	< 0.10	--
MW-308	05/15/13	<b>0.392</b>	0.0052 J	0.0427	< 0.0046	<b>2.54</b>	--	--	--
MW-308	11/06/13	<b>0.237</b>	0.0033 J	0.0056	0.0026 J	<b>1.65</b>	--	--	--
MW-308	04/22/14	0.0165	< 0.00020	0.00036 J	< 0.00046	0.146	--	--	--
MW-308	11/04/14	<b>0.132</b>	0.0012	0.0044	0.00058	0.782	< 0.048	< 0.095	--
MW-308	03/09/15	<b>0.121 J</b>	0.002	0.00064 J	0.0013 J	<b>1.10</b>	--	--	--
MW-308	05/19/15	<b>0.213</b>	0.0013 J	< 0.00050	< 0.0012	0.973	--	--	--
MW-308	07/29/15	<b>0.242</b>	0.0017 J	0.0014 J	< 0.0012	<b>1.77</b>	--	--	--
MW-308	12/09/15	<b>0.146</b>	0.00361	0.0284	0.00527	<b>1.19</b>	--	--	--
MW-308	02/23/16	0.00711	< 0.0000380	0.000101 J	< 0.0000160	0.0619	--	--	--
MW-308	05/03/16	<b>0.281</b>	0.000903 J	0.00376	0.000680 J	<b>1.41</b>	--	--	--
MW-308	08/30/16	<b>0.196</b>	< 0.00312	< 0.00198	< 0.00162	<b>1.48</b>	--	--	--

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
	<b>Site-Specific Cleanup Level:</b>	<b>0.071</b>	<b>200</b>	<b>29</b>	<b>NE</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>0.0058</b>
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
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	<b>0.383</b>	0.00147	0.00107	0.000477 J	<b>1.28</b>	--	--	--
MW-308	08/23/17	<b>0.234</b>	< 0.00312	< 0.00198	< 0.00442	0.812 J	--	--	--
MW-308	12/06/17	<b>0.085</b>	< 0.000312	0.000717 J	< 0.000442	0.245	--	--	--
MW-308	03/08/18	<b>0.252</b>	0.000314 J	< 0.000198	< 0.000442	0.550	--	--	--
MW-308	06/14/18	<b>0.238</b>	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	<b>0.0730 J</b>	0.0954 J	0.026 J	0.0417 J	0.300	--	--	--
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-308	09/22/21	<b>0.129</b>	0.00408	0.000975 J	0.00257 J	<b>1.25</b>	--	--	--
MW-308	12/14/21	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	--	--	--
MW-308	03/28/22	0.00476	<0.00100	0.000244 J	<0.00300	0.106 J	--	--	--
MW-308	06/29/22	<0.000400	<0.00100	0.000281 J	0.000485 J	0.0545 J	--	--	--
MW-308	09/20/22	0.0461	0.00355	0.000888 J	0.00171 J	0.696	--	--	--
MW-308	12/12/22	0.00143	<0.00100	<0.00100	<0.00300	<0.150	--	--	--
MW-308	03/27/23	0.0418	0.00257	0.0254	0.0100	0.854	--	--	--
MW-308	06/13/23	<0.000400	<0.00100	0.000368 J	<0.00300	0.175	--	--	--

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
	Site-Specific 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	09/11/23	0.000979 J	0.000845 J	<0.00100	<0.00200	0.154	--	--	--
MW-308	12/19/23	0.00426	<0.00100	<0.00100	<0.00200	<0.100	--	--	--
MW-308	03/11/24	<0.00100	<0.00100	<0.00100	<0.00200	<0.100	--	--	--
MW-308	06/19/24	<0.00100	<0.00100	<0.00100	<0.00200	0.0777 J	--	--	--
MW-308	09/18/24	0.00192	0.00107	<0.00100	0.000598 J	0.482	--	--	--
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	0.300	--	--	--
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	0.150	--	--	--
MW-309	12/15/21	<0.000400	<0.00100	<0.00100	<0.00300	0.113 J	0.273	0.140 J	--

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
	<b>Site-Specific Cleanup Level:</b>	<b>0.071</b>	<b>200</b>	<b>29</b>	<b>NE</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>0.0058</b>
		<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>
MW-309	06/28/22	<0.000400	<0.00100	<0.00100	<0.00300	0.108 J	--	--	--
MW-309	12/13/22	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	0.249	<0.391	--
MW-309	06/14/23	<0.000400	<0.00100	<0.00100	<0.00300	0.0514 J	--	--	--
MW-309	12/20/23	<0.00100	<0.00100	<0.00100	<0.00200	<0.100	0.149	0.144 J	--
MW-309	06/18/24	<0.00100	<0.00100	<0.00100	<0.00200	0.129 J	--	--	--
MW-310	11/28/12	<b>0.86</b>	0.0265	0.211	0.147	<b>5.74</b>	--	--	--
MW-310	02/21/13	<b>1.80</b>	0.0768	0.506	0.180	<b>8.37</b>	0.603	< 0.10	--
MW-310	05/14/13	<b>0.993</b>	0.0703	0.654	0.175	<b>6.49</b>	--	--	--
MW-310	09/05/13	<b>0.960</b>	0.0598	0.310	0.110	<b>5.51</b>	--	--	--
MW-310	11/05/13	<b>0.772</b>	0.0409	0.226	0.0846	<b>4.92</b>	--	--	--
MW-310	01/16/14	<b>0.821</b>	0.0414	0.189	0.0775	<b>5.94</b>	--	--	< 0.001 <sup>1</sup>
MW-310	04/23/14	<b>0.796</b>	0.0432	0.187	0.0607	<b>5.88</b>	--	--	--
MW-310	07/24/14	<b>0.920</b>	0.0489	0.368	0.0647	<b>6.36</b>	0.605	< 0.094	--
MW-310	11/04/14	<b>0.739</b>	0.0387	0.132	0.0538	<b>5.15</b>	0.613	< 0.094	--
MW-310	03/09/15	<b>0.736</b>	0.0475	0.189	0.0606	<b>4.71</b>	--	--	--
MW-310	05/21/15	<b>0.641</b>	0.0464	0.169	0.0572	<b>4.39</b>	--	--	< 0.010
MW-310	07/28/15	<b>0.714</b>	0.0428	0.181	0.0488	<b>3.72</b>	--	--	--
MW-310	12/10/15	<b>0.405</b>	0.0396	0.0771	0.0564	<b>3.89</b>	2.75	< 0.390	--
MW-310	02/23/16	<b>0.755</b>	0.0436	0.303	0.0615	<b>4.86</b>	--	--	--
MW-310	05/02/16	<b>0.655</b>	0.0349	0.324	0.0721	<b>4.82</b>	--	--	--
MW-310	08/29/16	<b>0.734</b>	0.0608	0.209	0.0885	<b>5.38</b>	--	--	--
MW-310	12/15/16	<b>0.673</b>	0.0504	0.289	0.0747	<b>5.92</b>	1.72	< 0.0624	--
MW-310	03/13/17	<b>0.809</b>	0.0541	0.387	0.0848	<b>5.58</b>	--	--	--
MW-310	06/15/17	<b>0.984</b>	0.0504	0.318	0.0635	<b>4.29</b>	--	--	--
MW-310	08/22/17	0.0562	0.0135	0.0416	0.0297	<b>2.17</b>	--	--	--
MW-310	12/05/17	0.00444	0.000430 J	0.0122	0.0172	0.459	1.66	< 0.122	--

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
	Site-Specific 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	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	0.240	--	--	--
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-	<b>1.61</b>	--	--	--
MW-310	06/15/21	0.0289	0.000421 J	0.00359	0.00117 J	0.554	--	--	--
MW-310	09/22/21	0.0159	<0.00100	0.00137	<0.00300	0.343	--	--	--
MW-310	12/16/21	0.0166	<0.00100	0.00170	0.000730 J	<b>1.40</b>	6.76	0.667	--
MW-310	03/29/22	0.0313	0.000978 J	0.00948	0.00296 J	<b>1.55</b>	--	--	--
MW-310	06/28/22	0.0392	0.000966 J	0.0179	0.00550	0.924	--	--	--
MW-310	09/20/22	0.0244	0.00129	0.00162	0.00206 J	0.770	--	--	--
MW-310	12/13/22	0.0163	0.00103	0.000555 J	0.00144 J	0.463	4.64	0.743	--
MW-310	03/27/23	0.0369	0.00237	0.0216	0.00890	0.879	--	--	--
MW-310	06/13/23	0.0275	0.00153	0.00761	0.00148 J	0.474	--	--	--
MW-310	09/11/23	0.0163	0.00112	<0.00100	0.00163 J	0.872	--	--	--
MW-310	12/19/23	0.0104	0.00150	0.00344	0.00339	0.987	5.56	2.42	--
MW-310	03/12/24	0.0124	0.00183	0.00604	0.00613	0.896	--	--	--
MW-310	06/18/24	0.0233	0.00164	0.00145	0.00245	<b>1.06</b>	--	--	--
MW-310	09/18/24	0.0228	0.00366	0.000534 J	0.00796	<b>1.21</b>	--	--	--

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
	<b>Site-Specific Cleanup Level:</b>	<b>0.071</b>	<b>200</b>	<b>29</b>	<b>NE</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>0.0058</b>
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
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	0.300	--	--	--
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	<b>1.41 J</b>	--	--	--
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	<b>1.66 J+</b>	--	--	--
MW-311	04/13/21	<0.000200	0.00102	0.000247	<0.000500	<b>1.32</b>	--	--	--

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
	Site-Specific Cleanup Level:	<b>0.071</b>	<b>200</b>	<b>29</b>	<b>NE</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>0.0058</b>
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-311	09/23/21	0.00207	0.00309	0.000899 J	0.000789 J	<b>1.20</b>	--	--	--
MW-311	12/16/21	0.000347 J	0.000923 J	0.000343 J	0.00105 J	<b>1.63</b>	--	--	--
MW-311	03/29/22	0.000243 J	0.000909 J	0.000302 J	0.000828 J	<b>1.66</b>	--	--	--
MW-311	06/28/22	0.00253	0.00349	0.000596 J	0.000644 J	<b>2.05</b>	--	--	--
MW-311	09/20/22	0.00223	0.00339	0.000472 J	0.00113 J	<b>1.57</b>	--	--	--
MW-311	12/13/22	0.00374	0.00260	0.000542 J	0.00100 J	<b>1.32</b>	--	--	--
MW-311	03/28/23	0.00191	0.00233	0.000746 J	<0.00300	<b>1.64</b>	--	--	--
MW-311	06/14/23	0.00239	0.00281	0.000568 J	0.00115 J	<b>1.53</b>	--	--	--
MW-311	09/12/23	0.00217	0.00312	0.000520 J	0.000984 J	<b>2.49</b>	--	--	--
MW-311	12/20/23	0.00189	0.00206	<0.00100	0.00105 J	<b>1.84</b>	--	--	--
MW-311	03/12/24	0.00144	0.00207	0.000510 J	<0.00200	<b>2.82</b>	--	--	--
MW-311	06/17/24	0.000662 J	0.00186	<0.00100	<0.00200	<b>3.01</b>	--	--	--
MW-311	09/19/24	0.00126	0.00256	0.000584 J	0.000930 J	<b>2.80</b>	--	--	--
MW-312	11/05/14	<b>0.239</b>	0.0058	0.0065	0.0102	<b>1.64</b>	1.13	0.132 J	< 0.010
MW-312	03/09/15	<b>0.357</b>	0.0044 J	0.0086	0.0050 J	<b>1.91</b>	--	--	--
MW-312	06/11/15	<b>0.204</b>	0.0034 J	0.0023 J	0.0027 J	<b>1.35</b>	--	--	--
MW-312	07/28/15	<b>0.313</b>	0.0041 J	0.0030 J	0.0032 J	<b>1.65</b>	--	--	--
MW-312	12/10/15	<b>0.0718</b>	0.00333	0.00222	0.00461	<b>1.26</b>	--	--	--
MW-312	02/23/16	<b>0.327</b>	0.00354	0.00759	0.00416	<b>1.96</b>	--	--	--
MW-312	05/04/16	<b>0.414</b>	0.00399	0.00662	0.00376	<b>2.22</b>	--	--	--
MW-312	08/29/16	<b>0.370</b>	0.00457 J	0.00354 J	0.00394 J	<b>2.30</b>	--	--	--
MW-312	12/15/16	<b>0.356</b>	0.00336 J	0.00556 J	< 0.000442	<b>2.27</b>	--	--	--
MW-312	03/13/17	<b>0.350</b>	0.00362	0.00527	0.00375	<b>2.07</b>	--	--	--
MW-312	06/15/17	<b>0.383</b>	0.00372	0.00425	0.00368 J	<b>1.89</b>	--	--	--
MW-312	08/23/17	<b>0.330</b>	0.00395	0.00279	0.00422	<b>2.02</b>	--	--	--
MW-312	12/07/17	<b>0.241</b>	0.00441	0.00223	0.00708	<b>1.72</b>	--	--	--

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
	Site-Specific Cleanup Level:	<b>0.071</b>	<b>200</b>	<b>29</b>	<b>NE</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>0.0058</b>
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-312	03/08/18	<b>0.261</b>	0.00273 J	0.00260 J	0.00311 J	<b>1.77</b>	--	--	--
MW-312	06/13/18	<b>0.284</b>	0.0044	0.00243	0.0048	<b>1.69</b>	--	--	--
MW-312	09/05/18	<b>0.283</b>	0.00405	0.00306	0.0041	<b>2.06</b>	--	--	--
MW-312	12/20/18	<b>0.126</b>	0.00284	0.00231	0.00361	<b>1.44</b>	--	--	--
MW-312	03/19/19	<b>0.183</b>	0.00372	0.00472	0.00447	<b>2.07</b>	--	--	--
MW-312	05/16/19	<b>0.189</b>	0.00286	0.00353	0.00290 J	<b>2.50</b>	--	--	--
MW-312	09/19/19	<b>0.0928</b>	0.00233	0.00307	0.00220 J	<b>1.64</b>	--	--	--
MW-312	12/12/19	<b>0.094</b>	0.00251	0.00341	0.00275 J	<b>1.70</b>	--	--	--
MW-312	04/28/20	<b>0.0721</b>	0.00213	0.00315	0.00274 J	<b>1.66</b>	--	--	--
MW-312	06/30/20	<b>0.0792</b>	0.00238	0.00406	0.00208 J	<b>1.47</b>	--	--	--
MW-312	09/22/20	<b>0.176</b>	0.00286	0.0068	0.00295 J	<b>2.69</b>	--	--	--
MW-312	12/15/20	0.0498	0.00251	0.00437	0.00284	<b>2.56 J+</b>	--	--	--
MW-312	04/13/21	<b>0.121</b>	0.00244	0.00453	0.00219	--	--	--	--
MW-312	06/16/21	0.0472	0.00214	0.00250	0.00199 J	<b>1.57</b>	--	--	--
MW-312	09/23/21	0.0398	0.00264	0.00329	0.00226 J	<b>1.83</b>	--	--	--
MW-312	12/16/21	0.0300	0.00225	0.00290	0.00237 J	<b>2.99</b>	--	--	--
MW-312	03/29/22	0.0136	0.00172	0.00240	0.00180 J	<b>2.77</b>	--	--	--
MW-312	06/29/22	0.0358	0.00269	0.00230	0.00205 J	<b>2.28</b>	--	--	--
MW-312	09/20/22	0.0203	0.00240	0.00207	0.00231 J	<b>1.90</b>	--	--	--
MW-312	12/13/22	0.00392	0.00214	0.00126	0.00198 J	<b>1.72</b>	--	--	--
MW-312	03/28/23	0.00491	0.00205	0.00101	<0.00300	<b>1.32</b>	--	--	--
MW-312	06/14/23	0.00488	0.00196	0.00104	0.00179 J	<b>1.23</b>	--	--	--
MW-312	09/12/23	0.0110	0.00227	0.00118	0.00208	<b>2.58</b>	--	--	--
MW-312	12/20/23	0.0110	0.00246	0.00127	0.00236	<b>2.15</b>	--	--	--
MW-312	03/12/24	0.0108	0.00269	0.00194	0.00244	<b>3.18</b>	--	--	--
MW-312	06/18/24	0.00659	0.00210	0.00123	<0.00200	<b>3.61</b>	--	--	--
MW-312	09/19/24	0.00716	0.00241	0.00114	0.00208	<b>2.98</b>	--	--	--



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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
	<b>Site-Specific Cleanup Level:</b>	<b>0.071</b>	<b>200</b>	<b>29</b>	<b>NE</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>0.0058</b>
		<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>
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	0.26	< 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	<0.250	0.272	<0.350	--
MW-313	06/16/21	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	0.156 J	<0.401	--
MW-313	09/23/21	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	0.161 J	<0.392	--
MW-313	12/16/21	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	0.359	0.185 J	--
MW-313	03/29/22	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	<0.237	<0.395	--
MW-313	06/28/22	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	0.177 J	0.140 J	--
MW-313	09/20/22	<0.000400	<0.00100	<0.00100	<0.00300	0.0407 J	<0.230	<0.383	--
MW-313	12/13/22	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	0.523	0.333 J	--

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
	Site-Specific 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-313	03/28/23	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	<0.224	<0.373	--
MW-313	06/14/23	<0.000400	<0.00100	<0.00100	<0.00300	0.0325 J	<0.244	<0.407	--
MW-313	09/12/23	<0.00100	<0.00100	<0.00100	<0.00200	<0.0500	0.157	0.140 J	--
MW-313	12/20/23	<0.00100	<0.00100	<0.00100	<0.00200	<0.100	0.627	0.517	--
MW-313	03/12/24	<0.00100	<0.00100	<0.00100	<0.00200	0.0740 J	0.184	0.260 J	--
MW-313	06/18/24	<0.00100	<0.00100	<0.00100	<0.00200	<0.150	0.0992 J	0.150 J	--
MW-313	09/19/24	<0.00100	<0.00100	<0.00100	<0.00200	<0.150	0.125 J	0.186 J	--
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	1.6	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-314	03/28/22	0.000477	0.000624 J	<0.00100	0.000682 J	0.253	0.682	<0.391	--

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
	<b>Site-Specific Cleanup Level:</b>	<b>0.071</b>	<b>200</b>	<b>29</b>	<b>NE</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>0.0058</b>
		<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>
MW-314	06/28/22	<0.000400	0.000346 J	<0.00100	<0.00300	0.253	0.936	0.166 J	--
MW-314	09/20/22	0.00523	0.00187	0.0294	0.00795	0.634	2.63	0.237 J	--
MW-314	03/27/23	0.000964	<0.00100	<0.00100	<0.00300	0.150	0.664	<0.393	--
MW-314	06/14/23	<0.000400	<0.00100	<0.00100	<0.00300	0.123 J	0.666	<0.405	--
MW-314	12/20/23	0.00147	0.000584 J	<0.00100	0.000741 J	0.331	1.28	0.466	--
MW-314	06/19/24	0.000334 J	<0.00100	<0.00100	<0.00200	0.376	1.34	0.442	--
MW-315	08/29/16	<b>0.0965</b>	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	<b>1.17</b>	1.29	0.0871 J	--
MW-315	03/13/17	0.0295	0.00478	0.00153	0.00793	<b>1.24</b>	1.64	< 0.121	--
MW-315	06/15/17	<b>0.0804</b>	0.00426	0.000634 J	0.00965	<b>1.2</b>	2.95	< 0.122	--
MW-315	08/23/17	<b>0.0727</b>	0.00403	0.000909 J	0.00871	<b>1.71</b>	2.74	< 0.123	--
MW-315	12/07/17	0.00479	0.00377	0.000382 J	0.00756	<b>1.19</b>	2.21	< 0.121	--
MW-315	03/08/18	0.0435	0.00411	0.000736 J	0.00712	<b>1.39</b>	1.15	< 0.125	--
MW-315	06/13/18	0.0619	0.00529	0.000648 J	0.00762	<b>1.19</b>	1.78	< 0.120	--
MW-315	09/05/18	0.0178	0.00461	0.000476 J	0.00904	<b>1.33</b>	2.89	0.267 J	--
MW-315	12/20/18	0.00283	0.00464	0.000599 J	0.0106	<b>1.16</b>	3.06	0.310 J	--
MW-315	03/18/19	0.0233	0.00363	0.000959 J	0.0039	<b>1.4</b>	1.89	0.149 J	--
MW-315	05/16/19	0.0565	0.00393	0.000584 J	0.00399	<b>2.16</b>	2.38	0.179 J	--
MW-315	09/19/19	0.0361	0.0036	0.000542 J	0.00353	<b>1.29</b>	2.61	0.133 J	--
MW-315	12/12/19	0.00334	0.00389	0.000667 J	0.005	<b>1.68</b>	3.96	0.266 J	--
MW-315	04/27/20	0.051	0.00406	0.000695 J	0.00368	<b>1.66</b>	2.81	0.126 J	--
MW-315	06/30/20	0.0699	0.00574	0.000878 J	0.00413	<b>1.82</b>	2.74	0.155 J	--
MW-315	09/22/20	0.0297	0.00383	0.000625 J	0.00266 J	<b>1.78</b>	2.89	0.171 J	--
MW-315	12/15/20	0.0028	0.0044	0.000673	0.00368	<b>2.26 J+</b>	3.34	<0.385	--
MW-315	04/13/21	0.0666 J	0.00493	0.00141	0.00256	<b>2.90 J+</b>	5.04	0.691	--
MW-315	06/16/21	0.0578	0.00411	0.00182	0.00289 J	<b>1.66</b>	3.32	0.218 J	--

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
Site-Specific 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-315	09/23/21	0.00915	0.00392	0.000428 J	0.00276 J	<b>1.48</b>	3.27	0.180 J	--
MW-315	12/16/21	0.00421	0.00375	0.000543 J	0.00251 J	<b>2.81</b>	3.23	0.296 J	--
MW-315	03/29/22	0.0452	0.0042	0.000890 J	0.00252 J	<b>2.41</b>	2.44	0.136 J	--
MW-315	06/28/22	0.0177	0.00382	0.000548 J	0.00284 J	<b>2.37</b>	2.31	0.207 J	--
MW-315	09/20/22	0.0061	0.00379	0.000566 J	0.00230 J	<b>2.21</b>	2.98	0.194 J	--
MW-315	12/13/22	<0.000400	<0.00100	<0.00100	<0.00300	<0.15	0.47	0.323 J	--
MW-315	03/28/23	0.0273	0.0041	0.00102	0.00384	<b>1.72</b>	2.01	<0.368	--
MW-315	06/14/23	0.0169	0.00427	0.00118	0.00292 J	<b>1.65</b>	2.5	<0.394	--
MW-315	09/12/23	0.00101	0.00354	<0.00100	0.00296	<b>3.02</b>	4.17	0.290 J	--
MW-315	12/20/23	0.00658	0.00466	0.000664 J	0.00362	<b>2.74</b>	3.02	0.399	--
MW-315	03/12/24	0.00534	0.00315	0.000641 J	0.00251	<b>3.82</b>	4.73	0.531	--
MW-315	06/19/24	0.0174	0.0034	0.000941 J	0.00229	<b>4.09</b>	4.49	0.408	--
MW-315	09/19/24	0.0118	0.00316	0.000502 J	0.00289	<b>3.51</b>	4.05	0.377	--
SH-04	01/13/04	<b>1.2</b>	0.21	0.14	2.11	<b>15</b>	4.7	< 2.5	--
SH-04	04/20/04	<b>1.5</b>	0.49	0.64	5.79	<b>26</b>	6.2	< 10	--
SH-04	07/27/04	<b>1.3</b>	0.13	0.55	1.78	<b>15</b>	5.4	0.53	--
SH-04	04/20/05	<b>0.98</b>	0.061	0.36	1.07	<b>11</b>	4.2	< 1.5	--
SH-04	04/25/06	<b>1.25</b>	0.089	0.65	2.31	<b>20</b>	8.23	2.52	--
SH-04	10/30/07	<b>0.884</b>	0.0315	0.315	0.0814	<5.0	--	--	--
SH-04	05/20/08	<b>1.1</b>	0.048	0.52	0.657	<b>8.9</b>	4.8	0.92	--
SH-04	11/20/08	<b>0.79</b>	0.032	0.23	0.0384	<b>6.6</b>	2.7	< 0.5	--
SH-04	04/08/09	<b>0.87</b>	0.04	0.25	0.19	<b>9.2</b>	4.7	< 0.1	--
SH-04	11/16/09	<b>0.48</b>	0.023	0.068	0.016	<b>4.9</b>	3.7	< 0.1	--
SH-04	04/27/10	<b>0.71</b>	0.027	0.27	0.13	<b>7.3</b>	4.7	0.39	--
SH-04	10/25/10	<b>0.58</b>	0.019	0.18	0.013	<b>4</b>	2.8	< 0.1	--
SH-04	05/23/11	<b>0.655</b>	0.0145	0.151	0.034	<b>5.4</b>	1.84	0.13	--

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
	<b>Site-Specific Cleanup Level:</b>	<b>0.071</b>	<b>200</b>	<b>29</b>	<b>NE</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>0.0058</b>
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
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	--
SH-04	12/15/21	0.0167	0.00172	0.0015	0.0038	1.29	2.67	0.400 J	--
SH-04	04/18/22	0.00626	0.00105	0.00384	0.00457	1.17	0.549	< 0.392	--
SH-04	06/28/22	0.0117	0.0011	0.00263	0.00226 J	0.813	0.38	0.14 J	--
SH-04	12/13/22	0.00697	0.00107	0.00327	0.00283 J	0.369	1.82	0.417	--
SH-04	06/13/23	0.00265	0.000486 J	0.00175	0.00192 J	0.367	0.231 J	< 0.398	--

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
Site-Specific 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	12/19/23	0.00223	0.000787 J	0.00329	0.00458	0.363	0.573	0.279 J	--
SH-04	06/18/24	0.00349	<0.00100	0.00106	<0.00200	0.232	0.904	0.287 J	--
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	--
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	--

**Table 6**  
**BTEX, Petroleum Hydrocarbons, and Lead in Groundwater**  
**Shell Harbor Island Terminal**  
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Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
	<b>Site-Specific Cleanup Level:</b>	<b>0.071</b>	<b>200</b>	<b>29</b>	<b>NE</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>0.0058</b>
		<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>
TES-MW-1	12/16/20	<0.00020	<0.0002	<0.00020	<0.0005	<0.250	<0.238	<0.397	--
TES-MW-1	12/14/21	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	<0.237	0.162 J	--
TES-MW-1	12/12/22	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	<0.256	<0.427	--
TES-MW-1	12/19/23	<0.00100	<0.00100	<0.00100	<0.00200	<0.100	<0.110	0.115 J	--
TX-03A	01/13/04	<b>2.9</b>	0.018	0.038	0.091	<b>2.7</b>	0.86	< 0.5	--
TX-03A	04/19/04	<b>4.4</b>	0.047	0.12	0.11	<b>12</b>	1.3	< 0.5	--
TX-03A	07/27/04	<b>1.7</b>	0.011	0.016	0.037	<b>5.2</b>	0.81	< 0.5	--
TX-03A	10/18/04	<b>3.2</b>	0.024	0.062	0.093	<b>7.5</b>	1.2	< 0.5	--
TX-03A	01/24/05	<b>2.5</b>	0.02	< 0.01	0.065	<b>8.2</b>	0.54	< 0.5	--
TX-03A	04/19/05	<b>2.5</b>	0.021	0.026	0.049	<b>6.1</b>	0.47	< 0.5	--
TX-03A	07/12/05	<b>3.1</b>	0.024	0.044	0.054	<b>10</b>	0.32	< 0.5	--
TX-03A	10/31/07	<b>2.2</b>	0.0233	0.0601	0.0503	<5.0	--	--	--
TX-03A	05/20/08	<b>0.88</b>	0.007	0.016	0.01	<b>3</b>	--	--	--
TX-03A	11/20/08	<b>2.1</b>	0.019	0.038	0.018	<b>4.5</b>	--	--	--
TX-03A	04/08/09	<b>1.2</b>	< 0.025	0.028	< 0.025	<b>3.5</b>	--	--	--
TX-03A	11/17/09	<b>0.97</b>	0.0078	0.016	0.011	<b>2.4</b>	--	--	--
TX-03A	04/27/10	<b>1.7</b>	0.0096	0.0087	0.0099	<b>4.6</b>	--	--	--
TX-03A	10/25/10	<b>1.7</b>	0.011	0.067	0.013	<b>3.3</b>	--	--	--
TX-03A	05/23/11	<b>1.78</b>	<0.025	0.044	<0.035	<b>7.53</b>	--	--	--
TX-03A	10/27/11	<b>3.44</b>	0.0712	0.147	0.111	<b>8.51</b>	--	--	--
TX-03A	03/01/12	<b>1.74</b>	0.0261	0.0272	0.0345 J	<b>5.58</b>	--	--	--
TX-03A	06/12/12	<b>1.57</b>	0.0200 J	0.0139 J	0.0300 J	<b>6.78</b>	--	--	--
TX-03A	09/25/12	<b>1.7</b>	0.0298	0.041	0.0501	<b>5.53</b>	--	--	--
TX-03A	11/28/12	<b>1.18</b>	0.0188 J	0.0232	0.0357 J	<b>4.91</b>	--	--	--
TX-03A	02/21/13	<b>2.81</b>	0.0403	0.0421	0.0489 J	<b>8.2</b>	0.32	< 0.10	--
TX-03A	05/15/13	<b>2.15</b>	0.0459 J	0.189	0.0643 J	<b>3.11</b>	--	--	--

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
	<b>Site-Specific Cleanup Level:</b>	<b>0.071</b>	<b>200</b>	<b>29</b>	<b>NE</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>0.0058</b>
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
TX-03A	11/05/13	<b>2.72</b>	0.0343 J	0.0364 J	0.0411 J	<b>6.01</b>	--	--	--
TX-03A	04/23/14	<b>1.22</b>	0.0171	0.0251	0.027	<b>5.76</b>	--	--	--
TX-03A	07/24/14	<b>1.64</b>	0.0317	0.0698	0.052	<b>7.55</b>	0.382	< 0.094	--
TX-03A	11/04/14	<b>0.941</b>	0.0137	0.0366	0.0269	<b>5.76</b>	0.448	< 0.094	--
TX-03A	03/09/15	<b>1.86</b>	0.0246 J	0.0581	0.0390 J	<b>7.16</b>	--	--	--
TX-03A	05/21/15	<b>1.15</b>	0.0144 J	0.0462	0.0260 J	<b>3.4</b>	--	--	--
TX-03A	07/28/15	<b>1.72</b>	0.0213 J	0.118	0.0355 J	<b>5.42</b>	--	--	--
TX-03A	12/10/15	<b>0.635</b>	0.0126	0.026	0.0253	<b>3.32</b>	1.34	< 0.391	--
TX-03A	02/23/16	<b>1.78</b>	0.0274	0.0882	0.0385	<b>5.17</b>	--	--	--
TX-03A	05/02/16	<b>1.54</b>	0.037	0.208	0.0503	<b>6.3</b>	--	--	--
TX-03A	08/29/16	<b>0.844</b>	0.0257	0.246	0.053	<b>5.89</b>	--	--	--
TX-03A	12/15/16	<b>0.995</b>	0.0197 J	0.0697	0.0357 J	<b>4.81</b>	1.73	0.125 J	--
TX-03A	03/13/17	<b>0.76</b>	0.0208	0.0901	0.0352 J	<b>3.66</b>	--	--	--
TX-03A	06/13/17	<b>1.37</b>	0.0361	0.246	0.0618 J	<b>5.36</b>	--	--	--
TX-03A	08/22/17	<b>1.08</b>	0.0233	0.137	0.0363	<b>4.55</b>	--	--	--
TX-03A	12/05/17	<b>0.258</b>	0.00697 J	0.0172 J	0.0126 J	<b>3.07</b>	2.03	0.172 J	--
TX-03A	03/27/18	<b>0.135</b>	0.00114	0.00395	0.000969 J	<b>1.21</b>	--	--	--
TX-03A	06/13/18	<b>0.204</b>	0.0024	0.015	0.000713 J	0.97	--	--	--
TX-03A	09/06/18	<b>0.263</b>	0.00308	0.0252	0.00115 J	<b>1.31</b>	--	--	--
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	<b>0.102 J</b>	< 0.000170 J	0.00115 J	< 0.000580 J	0.991	--	--	--
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	--	--	--



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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
	<b>Site-Specific Cleanup Level:</b>	<b>0.071</b>	<b>200</b>	<b>29</b>	<b>NE</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>0.0058</b>
		<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>
TX-03A	12/15/20	0.00499	0.00022	0.0029	<0.0005	<0.250	0.52	<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-03A	09/23/21	0.0183	0.000973 J	0.00677	0.000651 J	0.221	--	--	--
TX-03A	03/28/22	<b>0.121</b>	0.00255	0.012	0.00163 J	0.998	--	--	--
TX-03A	06/28/22	<b>0.114</b>	0.00632	0.0132	0.00356	<b>1.39</b>	--	--	--
TX-03A	09/21/22	0.00895	0.000999 J	0.00181	0.00111 J	0.294	--	--	--
TX-03A	12/13/22	<b>0.122</b>	0.00701	0.0014	0.00682	<b>1.05</b>	1.51	0.598	--
TX-03A	03/27/23	<b>0.165</b>	0.00807	0.00532	0.00904	<b>1.50</b>	--	--	--
TX-03A	06/14/23	<b>0.241</b>	0.0088	0.00497	0.00791	<b>1.37</b>	--	--	--
TX-03A	09/12/23	<b>0.089</b>	0.0076	0.000770 J	0.0086	<b>1.98</b>	--	--	--
TX-03A	12/20/23	<b>0.0886</b>	0.00846	0.00165	0.0108	<b>1.99</b>	1.20	0.374	--
TX-03A	03/11/24	<b>0.169</b>	<0.0100	<0.0100	<0.0200	<b>2.84</b>	--	--	--
TX-03A	06/19/24	<b>0.152</b>	<0.0100	<0.0100	<0.0200	<b>2.33</b>	--	--	--
TX-03A	09/19/24	<b>0.213</b>	0.0122	<0.0100	0.0147 J	<b>2.42</b>	--	--	--
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	0.20	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	--

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
Site-Specific 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-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-04	12/15/21	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	<0.247	<0.411	--
TX-04	12/13/22	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	<0.232	<0.386	--
TX-04	12/19/23	<0.00100	<0.00100	<0.00100	<0.00200	<0.100	<0.120	0.125 J	--
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	--

**Table 6**  
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**Shell Harbor Island Terminal**  
**Seattle, Washington**

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
	<b>Site-Specific Cleanup Level:</b>	<b>0.071</b>	<b>200</b>	<b>29</b>	<b>NE</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>0.0058</b>
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
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	--
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	--
TX-06A	12/15/21	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	0.589	0.146 J	--
TX-06A	12/12/22	<0.000400	<0.00100	<0.00100	<0.00300	<0.150	0.659	0.210 J	--
TX-06A	12/19/23	<0.00100	<0.00100	<0.00100	<0.00200	<0.100	0.816	0.483	--
MW-01	07/28/15	< 0.00020	< 0.00020	< 0.00020	< 0.00046	< 0.050	--	--	--

## Notes:

= Indicates data collected during this progress report period

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

<sup>1</sup> = Dissolved lead result

**Bold** = indicate detected concentration greater than cleanup level

BTEX = benzene, toluene, ethylbenzene, total xylenes

mg/L = milligrams per liter

NE = not established

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

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

Sample ID	Sample Date	Volatile Organic Compounds				Hydrocarbons			Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHg	TPHd	TPHo	Total
<b>Site-Specific Cleanup Level:</b>		<b>0.071</b>	<b>200</b>	<b>29</b>	<b>NE</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>0.0058</b>
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L

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

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

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

-- = not analyzed

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 low.

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

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

Sample ID	Sample Date	Benzo(a)-anthracene	Benzo(a)-pyrene	Benzo(b)-fluoranthene	Benzo(k)-fluoranthene	Chrysene	Dibenz(a,h)-anthracene	Indeno(1,2,3-cd)pyrene	cPAH TEQ
		-- mg/L	-- mg/L	-- mg/L	-- mg/L	-- mg/L	-- mg/L	-- 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	< 0.0001
MW-213	04/20/04	< 0.0001	< 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	< 0.0001
MW-213	10/19/04	< 0.0001	< 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	< 0.0001
MW-213	04/19/05	< 0.0001	< 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	< 0.0001
MW-213	10/20/05	< 0.0001	< 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	< 0.0000943
MW-213	10/30/07	< 0.001	< 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	< 0.001
MW-213	04/07/09	< 0.0001	< 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	< 0.0001
MW-213	04/26/10	< 0.0001	< 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	< 0.0001
MW-213	05/24/11	< 0.00003	< 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	< 0.00010
MW-213	06/12/12	< 0.000050	< 0.000041	< 0.000035	< 0.000039	< 0.000045	< 0.000035	< 0.000035	< 0.000050
MW-213	11/29/12	< 0.000053	< 0.000041	< 0.000035	< 0.000039	< 0.000045	< 0.000035	< 0.000035	< 0.000053
MW-213	05/15/13	< 0.000050	< 0.000039	< 0.000033	< 0.000037	< 0.000042	< 0.000033	< 0.000033	< 0.000050
MW-213	11/05/13	< 0.000050	< 0.000039	< 0.000033	< 0.000037	< 0.000043	< 0.000033	< 0.000033	< 0.000050
MW-213	04/23/14	< 0.000050	< 0.000039	< 0.000033	< 0.000037	< 0.000043	< 0.000033	< 0.000033	< 0.000050
MW-213	11/05/14	< 0.000050	< 0.000039	< 0.000033	< 0.000037	< 0.000042	< 0.000033	< 0.000033	< 0.000050
MW-213	05/19/15	< 0.0014	< 0.0011	< 0.0013	< 0.0013	< 0.0016	< 0.0012	< 0.0013	< 0.0016
MW-213	12/09/15	< 0.0000948	< 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	< 0.0000202

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

Sample ID	Sample Date	Benzo(a)-anthracene	Benzo(a)-pyrene	Benzo(b)-fluoranthene	Benzo(k)-fluoranthene	Chrysene	Dibenz(a,h)-anthracene	Indeno(1,2,3-cd)pyrene	cPAH TEQ
		-- mg/L	-- mg/L	-- mg/L	-- mg/L	-- mg/L	-- mg/L	-- mg/L	0.000031 mg/L
MW-213	12/13/16	0.0000122	< 0.0000887	< 0.0000108	< 0.0000148	< 0.00000690	< 0.0000128	< 0.0000217	0.00000122
MW-213	06/14/17	< 0.0000888	< 0.0000109	< 0.0000109	< 0.0000148	< 0.00000691	< 0.0000128	< 0.0000217	< 0.0000128
MW-213	12/07/17	< 0.00000965	< 0.0000106	< 0.0000106	< 0.0000145	< 0.00000676	< 0.0000125	< 0.0000212	< 0.0000212
MW-213	06/12/18	< 0.0000103	< 0.0000113	< 0.0000113	< 0.0000154	< 0.00000720	< 0.0000134	< 0.0000226	< 0.0000226
MW-213	12/19/18	< 0.0000119	< 0.0000119	< 0.0000109	< 0.0000149	< 0.00000893	< 0.0000129	< 0.0000218	< 0.0000218
MW-213	05/16/19	< 0.0000119	< 0.0000119	< 0.0000109	< 0.0000149	< 0.00000893	< 0.0000129	< 0.0000218	< 0.0000218
MW-213	12/11/19	< 0.0000119	< 0.0000896	< 0.0000109	< 0.0000149	< 0.00000995	< 0.0000129	< 0.0000219	< 0.0000219
MW-213	06/29/20	< 0.0000124	< 0.0000124	< 0.0000113	< 0.0000154	< 0.0000103	< 0.0000134	< 0.0000226	< 0.0000226
MW-213	12/16/20	< 0.0000503	< 0.000101	< 0.0000503	< 0.0000503	< 0.000101	< 0.000101	< 0.0000503	< 0.000101
MW-213	06/14/21	< 0.0000506	< 0.000101	< 0.0000506	< 0.0000506	< 0.000101	< 0.000101	< 0.0000506	< 0.000101
MW-213	12/16/21	< 0.0000895	< 0.0000895	< 0.0000895	< 0.0000895	< 0.0000895	< 0.0000895	< 0.0000895	< 0.0000895
MW-213	06/29/22	< 0.0000905	< 0.0000905	< 0.0000905	< 0.0000905	< 0.0000905	< 0.0000905	< 0.0000905	< 0.0000905
MW-213	12/12/22	< 0.0000905	< 0.0000905	< 0.0000905	< 0.0000905	< 0.0000905	< 0.0000905	< 0.0000905	< 0.0000905
MW-213	06/12/23	< 0.0000907	< 0.0000907	< 0.0000907	< 0.0000907	< 0.0000907	< 0.0000907	< 0.0000907	< 0.0000907
MW-213	12/18/23	< 0.0000530	< 0.000106	< 0.000106	< 0.0000530	< 0.000106	< 0.000106	< 0.0000530	< 0.000106
MW-213	06/19/24	< 0.0000529	< 0.000106	< 0.000106	< 0.0000529	< 0.000106	< 0.000106	< 0.0000529	< 0.000106
MW-214	01/30/03	< 0.0001	< 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	< 0.0001
MW-214	07/17/03	< 0.0001	< 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	< 0.0001
MW-214	01/14/04	< 0.0001	< 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	< 0.0001
MW-214	07/28/04	< 0.0001	< 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	< 0.0001
MW-214	01/25/05	< 0.0001	< 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	Benzo(a)-anthracene	Benzo(a)-pyrene	Benzo(b)-fluoranthene	Benzo(k)-fluoranthene	Chrysene	Dibenz(a,h)-anthracene	Indeno(1,2,3-cd)pyrene	cPAH TEQ
		-- mg/L	-- mg/L	-- mg/L	-- mg/L	-- mg/L	-- mg/L	-- mg/L	0.000031 mg/L
MW-214	04/19/05	< 0.0001	< 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	< 0.0001
MW-214	10/20/05	< 0.0001	< 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	< 0.000099
MW-214	10/30/07	< 0.001	< 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	< 0.001
MW-214	11/19/08	< 0.001	< 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	< 0.0001
MW-214	11/18/09	< 0.0001	< 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	< 0.0001
MW-214	10/28/10	< 0.0001	< 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	< 0.000029
MW-214	10/25/11	< 0.00010	< 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	< 0.000051
MW-214	11/29/12	< 0.000050	< 0.000039	< 0.000033	< 0.000037	< 0.000042	< 0.000033	< 0.000033	< 0.000050
MW-214	05/15/13	< 0.000050	< 0.000039	< 0.000033	< 0.000037	< 0.000042	< 0.000033	< 0.000033	< 0.000050
MW-214	11/05/13	< 0.000050	< 0.000039	< 0.000033	< 0.000037	< 0.000042	< 0.000033	< 0.000033	< 0.000050
MW-214	04/23/14	< 0.000050	< 0.000039	< 0.000033	< 0.000037	< 0.000043	< 0.000033	< 0.000033	< 0.000050
MW-214	11/05/14	< 0.000050	< 0.000039	< 0.000033	< 0.000037	< 0.000042	< 0.000033	< 0.000033	< 0.000050
MW-214	05/19/15	< 0.0013	< 0.0010	< 0.0012	< 0.0013	< 0.0015	< 0.0012	< 0.0013	< 0.0015
MW-214	12/09/15	< 0.0000908	< 0.0000908	< 0.0000908	< 0.0000908	< 0.0000908	< 0.0000908	< 0.0000908	< 0.0015
MW-214	05/04/16	< 0.00000926	< 0.0000102	< 0.0000102	< 0.0000139	< 0.00000648	< 0.0000120	< 0.0000204	< 0.0000204
MW-214	12/14/16	0.00000994	< 0.0000883	< 0.0000108	< 0.0000147	< 0.00000687	< 0.0000128	< 0.0000216	0.00000994
MW-214	06/14/17	< 0.0000850	< 0.0000104	< 0.0000104	< 0.0000142	< 0.00000661	< 0.0000123	< 0.0000208	< 0.0000208
MW-214	12/07/17	< 0.0000102	< 0.0000112	< 0.0000112	< 0.0000153	< 0.00000713	< 0.0000132	< 0.0000224	< 0.0000224
MW-214	06/12/18	< 0.00000976	< 0.0000107	< 0.0000107	< 0.0000146	< 0.00000683	< 0.0000127	< 0.0000215	< 0.0000215

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

Sample ID	Sample Date	Benzo(a)-anthracene	Benzo(a)-pyrene	Benzo(b)-fluoranthene	Benzo(k)-fluoranthene	Chrysene	Dibenz(a,h)-anthracene	Indeno(1,2,3-cd)pyrene	cPAH TEQ
		-- mg/L	-- mg/L	-- mg/L	-- mg/L	-- mg/L	-- mg/L	-- mg/L	0.000031 mg/L
MW-214	12/19/18	< 0.0000119	< 0.0000119	< 0.0000109	< 0.0000149	< 0.00000894	< 0.0000129	< 0.0000219	< 0.0000219
MW-214	05/16/19	< 0.0000119	< 0.0000119	< 0.0000109	< 0.0000149	< 0.00000894	< 0.0000129	< 0.0000219	< 0.0000219
MW-214	12/11/19	0.0000141 J	< 0.0000921	< 0.0000113	< 0.0000154	< 0.0000102	< 0.0000133	< 0.0000225	0.00000141
MW-214	06/29/20	<0.0000117	<0.0000117	<0.0000108	<0.0000147	<0.00000977	<0.0000127	<0.0000215	<0.0000215
MW-214	12/16/20	<0.0000517	<0.000103	<0.0000517	<0.0000517	<0.000103	<0.000103	<0.0000517	<0.0000517
MW-214	06/14/21	<0.0000499	<0.0000999	<0.0000499	<0.0000499	<0.0000999	<0.0000999	<0.0000499	<0.0000499
MW-214	12/16/21	<0.0000905	<0.0000905	<0.0000905	<0.0000905	<0.0000905	<0.0000905	<0.0000905	<0.0000905
MW-214	06/29/22	<0.0000910	0.0000123 J	<0.0000910	<0.0000910	0.0000148 J	<0.0000910	<0.0000910	0.0000124
MW-214	12/12/22	<0.0000904	<0.0000904	<0.0000904	<0.0000904	<0.0000904	<0.0000904	<0.0000904	<0.0000904
MW-214	06/12/23	0.0000224 J	<0.0000903	<0.0000903	<0.0000903	<0.0000903	<0.0000903	<0.0000903	0.00000224
MW-214	12/18/23	0.0000275 J	0.0000243 J	0.0000275 J	0.0000243 J	<0.0000984	<0.0000984	0.0000228 J	<b>0.0000345 J</b>
MW-214	06/19/24	<0.0000504	<0.000101	<0.000101	<0.0000504	<0.000101	<0.000101	<0.0000504	<0.000101
MW-301	07/24/14	< 0.000050	< 0.000039	< 0.000033	< 0.000037	< 0.000042	< 0.000033	< 0.000033	< 0.000050
MW-301	05/21/15	< 0.0014	< 0.0011	< 0.0013	< 0.0013	< 0.0016	< 0.0012	< 0.0013	< 0.0016
MW-302	07/24/14	< 0.000050	< 0.000039	< 0.000033	< 0.000037	< 0.000042	< 0.000033	< 0.000033	< 0.000050
MW-302	05/21/15	< 0.0013	< 0.0010	< 0.0012	< 0.0013	< 0.0015	< 0.0012	< 0.0013	< 0.0015
MW-303	07/24/14	< 0.000050	< 0.000039	< 0.000033	< 0.000037	< 0.000043	< 0.000033	< 0.000033	< 0.000050
MW-303	05/20/15	< 0.0014	< 0.0011	< 0.0013	< 0.0013	< 0.0016	< 0.0012	< 0.0013	< 0.0016
MW-304	07/24/14	< 0.000050	< 0.000039	< 0.000033	< 0.000037	< 0.000042	< 0.000033	< 0.000033	< 0.000050
MW-304	05/20/15	< 0.0013	< 0.0010	< 0.0012	< 0.0013	< 0.0015	< 0.0012	< 0.0013	< 0.0015
MW-309	07/24/14	< 0.000050	< 0.000039	< 0.000033	< 0.000037	< 0.000042	< 0.000033	< 0.000033	< 0.000050



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

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

Notes:

= Indicates data collected during this progress report period

PAHs = polycyclic aromatic hydrocarbons

ID = identification

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

-- = There are not established individual cleanup levels for PAHs. The carcinogenic PAHs total toxic equivalent concentration (TEQ) is calculated and compared to the established cleanup level.

mg/L = milligrams per liter

< = 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).

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.

# Attachments

# **Attachment 1**

**Laboratory Report**



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Emily Blakeway  
GHD Services Inc.  
9725 3rd Avenue NE, Suite 204  
Seattle, Washington 98115

Generated 10/9/2024 11:30:35 AM Revision 1

## JOB DESCRIPTION

Shell - Washington- 2555 13th Avenue, WA

## JOB NUMBER

580-144101-1

# Eurofins Seattle

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

## Authorization



Authorized for release by  
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# Case Narrative

Client: GHD Services Inc.  
Project: Shell - Washington- 2555 13th Avenue, WA

Job ID: 580-144101-1

**Job ID: 580-144101-1**

**Eurofins Seattle**

## Job Narrative 580-144101-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### Revision

The report being provided is a revision of the original report sent on 10/4/2024. The report (revision 1) is being revised due to: NWTPH\_Dx units need to be changed to mg/L.

### Receipt

The samples were received on 9/23/2024 10:42 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.6°C.

### Gasoline Range Organics

Method NWTPH\_Gx\_MS: The following samples were diluted due to the abundance of non-target analytes: MW-302 (580-144101-2), MW-303 (580-144101-3), MW-304 (580-144101-4) and TX-03A (580-144101-12). Elevated reporting limits (RLs) are provided.

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

### GC/MS VOA

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-302 (580-144101-2), MW-303 (580-144101-3), MW-304 (580-144101-4) and TX-03A (580-144101-12). Elevated reporting limits (RLs) are provided.

Method 8260D: The method blank for analytical batch 580-473159 contained Benzene above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

### Hydrocarbons

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

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# Definitions/Glossary

Client: GHD Services Inc.  
Project/Site: Shell - Washington- 2555 13th Avenue, WA

Job ID: 580-144101-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### 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 Results

Client: GHD Services Inc.  
 Project/Site: Shell - Washington- 2555 13th Avenue, WA

Job ID: 580-144101-1

**Client Sample ID: MW-301**

**Lab Sample ID: 580-144101-1**

**Date Collected: 09/18/24 11:00**

**Matrix: Water**

**Date Received: 09/23/24 10:42**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0371	B	0.00100	0.000240	mg/L			09/30/24 17:50	1
Toluene	0.00514		0.00100	0.000390	mg/L			09/30/24 17:50	1
Ethylbenzene	0.000608	J	0.00100	0.000500	mg/L			09/30/24 17:50	1
Xylenes, Total	0.00710		0.00200	0.000530	mg/L			09/30/24 17:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120		09/30/24 17:50	1
4-Bromofluorobenzene (Surr)	105		80 - 120		09/30/24 17:50	1
Dibromofluoromethane (Surr)	100		80 - 120		09/30/24 17:50	1
1,2-Dichloroethane-d4 (Surr)	96		80 - 120		09/30/24 17:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	1.15		0.150	0.0730	mg/L			09/30/24 17:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		77 - 123		09/30/24 17:50	1

# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: Shell - Washington- 2555 13th Avenue, WA

Job ID: 580-144101-1

**Client Sample ID: MW-302**

**Lab Sample ID: 580-144101-2**

**Date Collected: 09/19/24 11:20**

**Matrix: Water**

**Date Received: 09/23/24 10:42**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Benzene</b>	<b>0.112</b>		0.0100	0.00240	mg/L			09/24/24 23:48	10
<b>Toluene</b>	<b>0.00532</b>	<b>J</b>	0.0100	0.00390	mg/L			09/24/24 23:48	10
Ethylbenzene	ND		0.0100	0.00500	mg/L			09/24/24 23:48	10
<b>Xylenes, Total</b>	<b>0.00688</b>	<b>J</b>	0.0200	0.00530	mg/L			09/24/24 23:48	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>Toluene-d8 (Surr)</i>	97		80 - 120		09/24/24 23:48	10
<i>4-Bromofluorobenzene (Surr)</i>	103		80 - 120		09/24/24 23:48	10
<i>Dibromofluoromethane (Surr)</i>	101		80 - 120		09/24/24 23:48	10
<i>1,2-Dichloroethane-d4 (Surr)</i>	102		80 - 120		09/24/24 23:48	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>TPH as Gasoline</b>	<b>1.20</b>	<b>J</b>	1.50	0.730	mg/L			09/24/24 23:48	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>4-Bromofluorobenzene (Surr)</i>	103		77 - 123		09/24/24 23:48	10

# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: Shell - Washington- 2555 13th Avenue, WA

Job ID: 580-144101-1

**Client Sample ID: MW-303**

**Lab Sample ID: 580-144101-3**

Date Collected: 09/18/24 11:20

Matrix: Water

Date Received: 09/23/24 10:42

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.305		0.0100	0.00240	mg/L			09/25/24 00:11	10
Toluene	0.00821	J	0.0100	0.00390	mg/L			09/25/24 00:11	10
Ethylbenzene	0.101		0.0100	0.00500	mg/L			09/25/24 00:11	10
Xylenes, Total	0.0147	J	0.0200	0.00530	mg/L			09/25/24 00:11	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120		09/25/24 00:11	10
4-Bromofluorobenzene (Surr)	106		80 - 120		09/25/24 00:11	10
Dibromofluoromethane (Surr)	102		80 - 120		09/25/24 00:11	10
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		09/25/24 00:11	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	2.91		1.50	0.730	mg/L			09/25/24 00:11	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		77 - 123		09/25/24 00:11	10

# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: Shell - Washington- 2555 13th Avenue, WA

Job ID: 580-144101-1

**Client Sample ID: MW-304**

**Lab Sample ID: 580-144101-4**

Date Collected: 09/18/24 11:48

Matrix: Water

Date Received: 09/23/24 10:42

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.290		0.0100	0.00240	mg/L			09/24/24 21:53	10
Toluene	0.0119		0.0100	0.00390	mg/L			09/24/24 21:53	10
Ethylbenzene	ND		0.0100	0.00500	mg/L			09/24/24 21:53	10
<b>Xylenes, Total</b>	<b>0.0347</b>		0.0200	0.00530	mg/L			09/24/24 21:53	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120		09/24/24 21:53	10
4-Bromofluorobenzene (Surr)	104		80 - 120		09/24/24 21:53	10
Dibromofluoromethane (Surr)	103		80 - 120		09/24/24 21:53	10
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		09/24/24 21:53	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	1.82		1.50	0.730	mg/L			09/24/24 21:53	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		77 - 123		09/24/24 21:53	10

# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: Shell - Washington- 2555 13th Avenue, WA

Job ID: 580-144101-1

**Client Sample ID: MW-307**

**Lab Sample ID: 580-144101-5**

Date Collected: 09/18/24 10:25

Matrix: Water

Date Received: 09/23/24 10:42

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0440		0.00100	0.000240	mg/L			09/25/24 23:24	1
Toluene	0.0124		0.00100	0.000390	mg/L			09/25/24 23:24	1
Ethylbenzene	0.0284		0.00100	0.000500	mg/L			09/25/24 23:24	1
Xylenes, Total	0.0356		0.00200	0.000530	mg/L			09/25/24 23:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120		09/25/24 23:24	1
4-Bromofluorobenzene (Surr)	100		80 - 120		09/25/24 23:24	1
Dibromofluoromethane (Surr)	100		80 - 120		09/25/24 23:24	1
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		09/25/24 23:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	2.37		0.150	0.0730	mg/L			09/25/24 23:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		77 - 123		09/25/24 23:24	1

# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: Shell - Washington- 2555 13th Avenue, WA

Job ID: 580-144101-1

**Client Sample ID: MW-308**

**Lab Sample ID: 580-144101-6**

Date Collected: 09/18/24 10:00

Matrix: Water

Date Received: 09/23/24 10:42

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00192		0.00100	0.000240	mg/L			09/25/24 19:32	1
Toluene	0.00107		0.00100	0.000390	mg/L			09/25/24 19:32	1
Ethylbenzene	ND		0.00100	0.000500	mg/L			09/25/24 19:32	1
<b>Xylenes, Total</b>	<b>0.000598</b>	<b>J</b>	0.00200	0.000530	mg/L			09/25/24 19:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120		09/25/24 19:32	1
4-Bromofluorobenzene (Surr)	101		80 - 120		09/25/24 19:32	1
Dibromofluoromethane (Surr)	100		80 - 120		09/25/24 19:32	1
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		09/25/24 19:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	0.482		0.150	0.0730	mg/L			09/25/24 19:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		77 - 123		09/25/24 19:32	1

# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: Shell - Washington- 2555 13th Avenue, WA

Job ID: 580-144101-1

**Client Sample ID: MW-310**  
**Date Collected: 09/18/24 12:10**  
**Date Received: 09/23/24 10:42**

**Lab Sample ID: 580-144101-7**  
**Matrix: Water**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0228		0.00100	0.000240	mg/L			09/25/24 19:55	1
Toluene	0.00366		0.00100	0.000390	mg/L			09/25/24 19:55	1
Ethylbenzene	0.000534	J	0.00100	0.000500	mg/L			09/25/24 19:55	1
Xylenes, Total	0.00796		0.00200	0.000530	mg/L			09/25/24 19:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		09/25/24 19:55	1
4-Bromofluorobenzene (Surr)	103		80 - 120		09/25/24 19:55	1
Dibromofluoromethane (Surr)	101		80 - 120		09/25/24 19:55	1
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		09/25/24 19:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	1.21		0.150	0.0730	mg/L			09/25/24 19:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		77 - 123		09/25/24 19:55	1

# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: Shell - Washington- 2555 13th Avenue, WA

Job ID: 580-144101-1

**Client Sample ID: MW-311**  
**Date Collected: 09/19/24 08:00**  
**Date Received: 09/23/24 10:42**

**Lab Sample ID: 580-144101-8**  
**Matrix: Water**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00126		0.00100	0.000240	mg/L			09/25/24 20:18	1
Toluene	0.00256		0.00100	0.000390	mg/L			09/25/24 20:18	1
Ethylbenzene	0.000584	J	0.00100	0.000500	mg/L			09/25/24 20:18	1
Xylenes, Total	0.000930	J	0.00200	0.000530	mg/L			09/25/24 20:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120		09/25/24 20:18	1
4-Bromofluorobenzene (Surr)	99		80 - 120		09/25/24 20:18	1
Dibromofluoromethane (Surr)	102		80 - 120		09/25/24 20:18	1
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		09/25/24 20:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	2.80		0.150	0.0730	mg/L			09/25/24 20:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		77 - 123		09/25/24 20:18	1



# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: Shell - Washington- 2555 13th Avenue, WA

Job ID: 580-144101-1

**Client Sample ID: MW-312**

**Lab Sample ID: 580-144101-9**

Date Collected: 09/19/24 09:30

Matrix: Water

Date Received: 09/23/24 10:42

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00716		0.00100	0.000240	mg/L			09/25/24 20:42	1
Toluene	0.00241		0.00100	0.000390	mg/L			09/25/24 20:42	1
Ethylbenzene	0.00114		0.00100	0.000500	mg/L			09/25/24 20:42	1
Xylenes, Total	0.00208		0.00200	0.000530	mg/L			09/25/24 20:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120		09/25/24 20:42	1
4-Bromofluorobenzene (Surr)	101		80 - 120		09/25/24 20:42	1
Dibromofluoromethane (Surr)	101		80 - 120		09/25/24 20:42	1
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		09/25/24 20:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	2.98		0.150	0.0730	mg/L			09/25/24 20:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		77 - 123		09/25/24 20:42	1

# Client Sample Results

Client: GHD Services Inc.  
Project/Site: Shell - Washington- 2555 13th Avenue, WA

Job ID: 580-144101-1

**Client Sample ID: MW-313**

**Lab Sample ID: 580-144101-10**

**Date Collected: 09/19/24 08:25**

**Matrix: Water**

**Date Received: 09/23/24 10:42**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00100	0.000240	mg/L			09/24/24 20:43	1
Toluene	ND		0.00100	0.000390	mg/L			09/24/24 20:43	1
Ethylbenzene	ND		0.00100	0.000500	mg/L			09/24/24 20:43	1
Xylenes, Total	ND		0.00200	0.000530	mg/L			09/24/24 20:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120		09/24/24 20:43	1
4-Bromofluorobenzene (Surr)	105		80 - 120		09/24/24 20:43	1
Dibromofluoromethane (Surr)	100		80 - 120		09/24/24 20:43	1
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		09/24/24 20:43	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		0.150	0.0730	mg/L			09/24/24 20:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		77 - 123		09/24/24 20:43	1

**Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Diesel Range Organics (C10-C24)</b>	<b>0.125</b>	<b>J</b>	0.197	0.0898	mg/L		09/25/24 08:31	09/29/24 01:12	1
<b>Motor Oil (&gt;C24-C36)</b>	<b>0.186</b>	<b>J</b>	0.346	0.128	mg/L		09/25/24 08:31	09/29/24 01:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	88		50 - 150	09/25/24 08:31	09/29/24 01:12	1

# Client Sample Results

Client: GHD Services Inc.  
Project/Site: Shell - Washington- 2555 13th Avenue, WA

Job ID: 580-144101-1

**Client Sample ID: MW-315**

**Lab Sample ID: 580-144101-11**

Date Collected: 09/19/24 08:55

Matrix: Water

Date Received: 09/23/24 10:42

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0118		0.00100	0.000240	mg/L			09/25/24 21:05	1
Toluene	0.00316		0.00100	0.000390	mg/L			09/25/24 21:05	1
Ethylbenzene	0.000502	J	0.00100	0.000500	mg/L			09/25/24 21:05	1
Xylenes, Total	0.00289		0.00200	0.000530	mg/L			09/25/24 21:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120		09/25/24 21:05	1
4-Bromofluorobenzene (Surr)	101		80 - 120		09/25/24 21:05	1
Dibromofluoromethane (Surr)	101		80 - 120		09/25/24 21:05	1
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		09/25/24 21:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	3.51		0.150	0.0730	mg/L			09/25/24 21:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		77 - 123		09/25/24 21:05	1

**Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	4.05		0.195	0.0887	mg/L		09/25/24 08:31	09/29/24 01:32	1
Motor Oil (>C24-C36)	0.377		0.341	0.127	mg/L		09/25/24 08:31	09/29/24 01:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	86		50 - 150	09/25/24 08:31	09/29/24 01:32	1

# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: Shell - Washington- 2555 13th Avenue, WA

Job ID: 580-144101-1

**Client Sample ID: TX-03A**  
**Date Collected: 09/19/24 10:45**  
**Date Received: 09/23/24 10:42**

**Lab Sample ID: 580-144101-12**  
**Matrix: Water**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.213		0.0100	0.00240	mg/L			09/24/24 23:25	10
Toluene	0.0122		0.0100	0.00390	mg/L			09/24/24 23:25	10
Ethylbenzene	ND		0.0100	0.00500	mg/L			09/24/24 23:25	10
<b>Xylenes, Total</b>	<b>0.0147</b>	<b>J</b>	0.0200	0.00530	mg/L			09/24/24 23:25	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120		09/24/24 23:25	10
4-Bromofluorobenzene (Surr)	103		80 - 120		09/24/24 23:25	10
Dibromofluoromethane (Surr)	100		80 - 120		09/24/24 23:25	10
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		09/24/24 23:25	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	2.42		1.50	0.730	mg/L			09/24/24 23:25	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		77 - 123		09/24/24 23:25	10

# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: Shell - Washington- 2555 13th Avenue, WA

Job ID: 580-144101-1

**Client Sample ID: TB-1**

**Lab Sample ID: 580-144101-13**

**Date Collected: 09/19/24 09:00**

**Matrix: Water**

**Date Received: 09/23/24 10:42**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00100	0.000240	mg/L			09/24/24 19:34	1
Toluene	ND		0.00100	0.000390	mg/L			09/24/24 19:34	1
Ethylbenzene	ND		0.00100	0.000500	mg/L			09/24/24 19:34	1
Xylenes, Total	ND		0.00200	0.000530	mg/L			09/24/24 19:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>Toluene-d8 (Surr)</i>	97		80 - 120		09/24/24 19:34	1
<i>4-Bromofluorobenzene (Surr)</i>	102		80 - 120		09/24/24 19:34	1
<i>Dibromofluoromethane (Surr)</i>	100		80 - 120		09/24/24 19:34	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	101		80 - 120		09/24/24 19:34	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		0.150	0.0730	mg/L			09/24/24 19:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>4-Bromofluorobenzene (Surr)</i>	102		77 - 123		09/24/24 19:34	1

# QC Sample Results

Client: GHD Services Inc.  
Project/Site: Shell - Washington- 2555 13th Avenue, WA

Job ID: 580-144101-1

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

**Lab Sample ID: MB 580-472492/11**  
**Matrix: Water**  
**Analysis Batch: 472492**

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		0.00100	0.000240	mg/L			09/24/24 19:11	1
Toluene	ND		0.00100	0.000390	mg/L			09/24/24 19:11	1
Ethylbenzene	ND		0.00100	0.000500	mg/L			09/24/24 19:11	1
Xylenes, Total	ND		0.00200	0.000530	mg/L			09/24/24 19:11	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	96		80 - 120		09/24/24 19:11	1
4-Bromofluorobenzene (Surr)	104		80 - 120		09/24/24 19:11	1
Dibromofluoromethane (Surr)	103		80 - 120		09/24/24 19:11	1
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		09/24/24 19:11	1

**Lab Sample ID: LCS 580-472492/6**  
**Matrix: Water**  
**Analysis Batch: 472492**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	0.00500	0.004897		mg/L		98	80 - 120
Ethylbenzene	0.00500	0.005067		mg/L		101	80 - 120
Xylenes, Total	0.0100	0.01071		mg/L		107	80 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	98		80 - 120
4-Bromofluorobenzene (Surr)	106		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
1,2-Dichloroethane-d4 (Surr)	101		80 - 120

**Lab Sample ID: LCSD 580-472492/7**  
**Matrix: Water**  
**Analysis Batch: 472492**

**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
Toluene	0.00500	0.004935		mg/L		99	80 - 120	1	13
Ethylbenzene	0.00500	0.005146		mg/L		103	80 - 120	2	14
Xylenes, Total	0.0100	0.01020		mg/L		102	80 - 120	5	16

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	95		80 - 120
1,2-Dichloroethane-d4 (Surr)	101		80 - 120

# QC Sample Results

Client: GHD Services Inc.  
Project/Site: Shell - Washington- 2555 13th Avenue, WA

Job ID: 580-144101-1

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

**Lab Sample ID: MB 580-472679/11**  
**Matrix: Water**  
**Analysis Batch: 472679**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00100	0.000240	mg/L			09/25/24 16:49	1
Toluene	ND		0.00100	0.000390	mg/L			09/25/24 16:49	1
Ethylbenzene	ND		0.00100	0.000500	mg/L			09/25/24 16:49	1
Xylenes, Total	ND		0.00200	0.000530	mg/L			09/25/24 16:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		09/25/24 16:49	1
4-Bromofluorobenzene (Surr)	96		80 - 120		09/25/24 16:49	1
Dibromofluoromethane (Surr)	103		80 - 120		09/25/24 16:49	1
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		09/25/24 16:49	1

**Lab Sample ID: LCS 580-472679/6**  
**Matrix: Water**  
**Analysis Batch: 472679**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.00500	0.004772		mg/L		95	80 - 122
Toluene	0.00500	0.005439		mg/L		109	80 - 120
Ethylbenzene	0.00500	0.005106		mg/L		102	80 - 120
Xylenes, Total	0.0100	0.01077		mg/L		108	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	102		80 - 120
1,2-Dichloroethane-d4 (Surr)	102		80 - 120

**Lab Sample ID: LCSD 580-472679/7**  
**Matrix: Water**  
**Analysis Batch: 472679**

**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	0.00500	0.004847		mg/L		97	80 - 122	2	14
Toluene	0.00500	0.005372		mg/L		107	80 - 120	1	13
Ethylbenzene	0.00500	0.005092		mg/L		102	80 - 120	0	14
Xylenes, Total	0.0100	0.01079		mg/L		108	80 - 120	0	16

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	102		80 - 120
1,2-Dichloroethane-d4 (Surr)	102		80 - 120

# QC Sample Results

Client: GHD Services Inc.  
Project/Site: Shell - Washington- 2555 13th Avenue, WA

Job ID: 580-144101-1

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

**Lab Sample ID: MB 580-473159/11**  
**Matrix: Water**  
**Analysis Batch: 473159**

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	0.0002922	J	0.00100	0.000240	mg/L			09/30/24 16:40	1
Toluene	ND		0.00100	0.000390	mg/L			09/30/24 16:40	1
Ethylbenzene	ND		0.00100	0.000500	mg/L			09/30/24 16:40	1
Xylenes, Total	ND		0.00200	0.000530	mg/L			09/30/24 16:40	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	99		80 - 120		09/30/24 16:40	1
4-Bromofluorobenzene (Surr)	101		80 - 120		09/30/24 16:40	1
Dibromofluoromethane (Surr)	100		80 - 120		09/30/24 16:40	1
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		09/30/24 16:40	1

**Lab Sample ID: LCS 580-473159/6**  
**Matrix: Water**  
**Analysis Batch: 473159**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	0.00500	0.005165		mg/L		103	80 - 120
Ethylbenzene	0.00500	0.005388		mg/L		108	80 - 120
Xylenes, Total	0.0100	0.01057		mg/L		106	80 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	105		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
1,2-Dichloroethane-d4 (Surr)	99		80 - 120

**Lab Sample ID: LCSD 580-473159/7**  
**Matrix: Water**  
**Analysis Batch: 473159**

**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
Toluene	0.00500	0.005105		mg/L		102	80 - 120	1	13
Ethylbenzene	0.00500	0.005289		mg/L		106	80 - 120	2	14
Xylenes, Total	0.0100	0.01042		mg/L		104	80 - 120	1	16

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
1,2-Dichloroethane-d4 (Surr)	98		80 - 120



# QC Sample Results

Client: GHD Services Inc.  
 Project/Site: Shell - Washington- 2555 13th Avenue, WA

Job ID: 580-144101-1

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

**Lab Sample ID: MB 580-472488/11**  
**Matrix: Water**  
**Analysis Batch: 472488**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		0.150	0.0730	mg/L			09/24/24 19:11	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		77 - 123					09/24/24 19:11	1

**Lab Sample ID: LCS 580-472488/8**  
**Matrix: Water**  
**Analysis Batch: 472488**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
TPH as Gasoline	0.999	0.9568		mg/L		96	55 - 148		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	102		77 - 123						

**Lab Sample ID: LCSD 580-472488/9**  
**Matrix: Water**  
**Analysis Batch: 472488**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
TPH as Gasoline	0.999	0.9339		mg/L		93	55 - 148	2	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	102		77 - 123						

**Lab Sample ID: MB 580-472674/11**  
**Matrix: Water**  
**Analysis Batch: 472674**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		0.150	0.0730	mg/L			09/25/24 16:49	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		77 - 123					09/25/24 16:49	1

**Lab Sample ID: LCS 580-472674/8**  
**Matrix: Water**  
**Analysis Batch: 472674**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
TPH as Gasoline	0.999	1.088		mg/L		109	55 - 148		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	100		77 - 123						

# QC Sample Results

Client: GHD Services Inc.  
Project/Site: Shell - Washington- 2555 13th Avenue, WA

Job ID: 580-144101-1

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

**Lab Sample ID: LCSD 580-472674/9**  
**Matrix: Water**  
**Analysis Batch: 472674**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline	0.999	1.134		mg/L		114	55 - 148	4	10
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>						
4-Bromofluorobenzene (Surr)	99		77 - 123						

**Lab Sample ID: MB 580-473154/11**  
**Matrix: Water**  
**Analysis Batch: 473154**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline	ND		0.150	0.0730	mg/L			09/30/24 16:40	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	101		77 - 123					09/30/24 16:40	1

**Lab Sample ID: LCS 580-473154/8**  
**Matrix: Water**  
**Analysis Batch: 473154**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
TPH as Gasoline	0.999	1.045		mg/L		105	55 - 148		
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>						
4-Bromofluorobenzene (Surr)	102		77 - 123						

**Lab Sample ID: LCSD 580-473154/9**  
**Matrix: Water**  
**Analysis Batch: 473154**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline	0.999	1.009		mg/L		101	55 - 148	4	10
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>						
4-Bromofluorobenzene (Surr)	103		77 - 123						

## Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx

**Lab Sample ID: MB 580-472618/1-A**  
**Matrix: Water**  
**Analysis Batch: 473072**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 472618**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	ND		0.200	0.0910	mg/L		09/25/24 08:31	09/28/24 18:50	1
Motor Oil (>C24-C36)	ND		0.350	0.130	mg/L		09/25/24 08:31	09/28/24 18:50	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
o-Terphenyl	99		50 - 150				09/25/24 08:31	09/28/24 18:50	1

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# QC Sample Results

Client: GHD Services Inc.  
 Project/Site: Shell - Washington- 2555 13th Avenue, WA

Job ID: 580-144101-1

## Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH-Dx (Continued)

**Lab Sample ID: LCS 580-472618/2-A**  
**Matrix: Water**  
**Analysis Batch: 473072**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 472618**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (C10-C24)	4.00	3.436		mg/L		86	50 - 120
Motor Oil (>C24-C36)	4.00	3.816		mg/L		95	64 - 120
<b>Surrogate</b>		<b>LCS</b>	<b>LCS</b>			<b>%Recovery</b>	<b>Qualifier</b>
<i>o</i> -Terphenyl						80	50 - 150

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# Lab Chronicle

Client: GHD Services Inc.  
Project/Site: Shell - Washington- 2555 13th Avenue, WA

Job ID: 580-144101-1

## Client Sample ID: MW-301

Date Collected: 09/18/24 11:00

Date Received: 09/23/24 10:42

## Lab Sample ID: 580-144101-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	473159	AA	EET SEA	09/30/24 17:50
Total/NA	Analysis	NWTPH-Gx		1	473154	JBT	EET SEA	09/30/24 17:50

## Client Sample ID: MW-302

Date Collected: 09/19/24 11:20

Date Received: 09/23/24 10:42

## Lab Sample ID: 580-144101-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		10	472492	AA	EET SEA	09/24/24 23:48
Total/NA	Analysis	NWTPH-Gx		10	472488	AA	EET SEA	09/24/24 23:48

## Client Sample ID: MW-303

Date Collected: 09/18/24 11:20

Date Received: 09/23/24 10:42

## Lab Sample ID: 580-144101-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		10	472492	AA	EET SEA	09/25/24 00:11
Total/NA	Analysis	NWTPH-Gx		10	472488	AA	EET SEA	09/25/24 00:11

## Client Sample ID: MW-304

Date Collected: 09/18/24 11:48

Date Received: 09/23/24 10:42

## Lab Sample ID: 580-144101-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		10	472492	AA	EET SEA	09/24/24 21:53
Total/NA	Analysis	NWTPH-Gx		10	472488	AA	EET SEA	09/24/24 21:53

## Client Sample ID: MW-307

Date Collected: 09/18/24 10:25

Date Received: 09/23/24 10:42

## Lab Sample ID: 580-144101-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	472679	JBT	EET SEA	09/25/24 23:24
Total/NA	Analysis	NWTPH-Gx		1	472674	JBT	EET SEA	09/25/24 23:24

## Client Sample ID: MW-308

Date Collected: 09/18/24 10:00

Date Received: 09/23/24 10:42

## Lab Sample ID: 580-144101-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	472679	JBT	EET SEA	09/25/24 19:32
Total/NA	Analysis	NWTPH-Gx		1	472674	JBT	EET SEA	09/25/24 19:32

# Lab Chronicle

Client: GHD Services Inc.  
Project/Site: Shell - Washington- 2555 13th Avenue, WA

Job ID: 580-144101-1

## Client Sample ID: MW-310

Date Collected: 09/18/24 12:10

Date Received: 09/23/24 10:42

## Lab Sample ID: 580-144101-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	472679	JBT	EET SEA	09/25/24 19:55
Total/NA	Analysis	NWTPH-Gx		1	472674	JBT	EET SEA	09/25/24 19:55

## Client Sample ID: MW-311

Date Collected: 09/19/24 08:00

Date Received: 09/23/24 10:42

## Lab Sample ID: 580-144101-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	472679	JBT	EET SEA	09/25/24 20:18
Total/NA	Analysis	NWTPH-Gx		1	472674	JBT	EET SEA	09/25/24 20:18

## Client Sample ID: MW-312

Date Collected: 09/19/24 09:30

Date Received: 09/23/24 10:42

## Lab Sample ID: 580-144101-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	472679	JBT	EET SEA	09/25/24 20:42
Total/NA	Analysis	NWTPH-Gx		1	472674	JBT	EET SEA	09/25/24 20:42

## Client Sample ID: MW-313

Date Collected: 09/19/24 08:25

Date Received: 09/23/24 10:42

## Lab Sample ID: 580-144101-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	472492	AA	EET SEA	09/24/24 20:43
Total/NA	Analysis	NWTPH-Gx		1	472488	AA	EET SEA	09/24/24 20:43
Total/NA	Prep	3510C			472618	JW	EET SEA	09/25/24 08:31
Total/NA	Analysis	NWTPH-Dx		1	473072	SW	EET SEA	09/29/24 01:12

## Client Sample ID: MW-315

Date Collected: 09/19/24 08:55

Date Received: 09/23/24 10:42

## Lab Sample ID: 580-144101-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	472679	JBT	EET SEA	09/25/24 21:05
Total/NA	Analysis	NWTPH-Gx		1	472674	JBT	EET SEA	09/25/24 21:05
Total/NA	Prep	3510C			472618	JW	EET SEA	09/25/24 08:31
Total/NA	Analysis	NWTPH-Dx		1	473072	SW	EET SEA	09/29/24 01:32

## Client Sample ID: TX-03A

Date Collected: 09/19/24 10:45

Date Received: 09/23/24 10:42

## Lab Sample ID: 580-144101-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		10	472492	AA	EET SEA	09/24/24 23:25

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# Lab Chronicle

Client: GHD Services Inc.  
Project/Site: Shell - Washington- 2555 13th Avenue, WA

Job ID: 580-144101-1

## Client Sample ID: TX-03A

Date Collected: 09/19/24 10:45

Date Received: 09/23/24 10:42

## Lab Sample ID: 580-144101-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		10	472488	AA	EET SEA	09/24/24 23:25

## Client Sample ID: TB-1

Date Collected: 09/19/24 09:00

Date Received: 09/23/24 10:42

## Lab Sample ID: 580-144101-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	472492	AA	EET SEA	09/24/24 19:34
Total/NA	Analysis	NWTPH-Gx		1	472488	AA	EET SEA	09/24/24 19:34

### Laboratory References:

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

# Accreditation/Certification Summary

Client: GHD Services Inc.  
Project/Site: Shell - Washington- 2555 13th Avenue, WA

Job ID: 580-144101-1

## Laboratory: Eurofins Seattle

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4167	07-07-25
Washington	State	C788-24	07-13-25

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# Sample Summary

Client: GHD Services Inc.  
Project/Site: Shell - Washington- 2555 13th Avenue, WA

Job ID: 580-144101-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-144101-1	MW-301	Water	09/18/24 11:00	09/23/24 10:42
580-144101-2	MW-302	Water	09/19/24 11:20	09/23/24 10:42
580-144101-3	MW-303	Water	09/18/24 11:20	09/23/24 10:42
580-144101-4	MW-304	Water	09/18/24 11:48	09/23/24 10:42
580-144101-5	MW-307	Water	09/18/24 10:25	09/23/24 10:42
580-144101-6	MW-308	Water	09/18/24 10:00	09/23/24 10:42
580-144101-7	MW-310	Water	09/18/24 12:10	09/23/24 10:42
580-144101-8	MW-311	Water	09/19/24 08:00	09/23/24 10:42
580-144101-9	MW-312	Water	09/19/24 09:30	09/23/24 10:42
580-144101-10	MW-313	Water	09/19/24 08:25	09/23/24 10:42
580-144101-11	MW-315	Water	09/19/24 08:55	09/23/24 10:42
580-144101-12	TX-03A	Water	09/19/24 10:45	09/23/24 10:42
580-144101-13	TB-1	Water	09/19/24 09:00	09/23/24 10:42





LAB (LOCATION)

- ACCUTEST ( )
- CALSCIENCE ( )
- TESTAMERICA ( )
- Other ( )

Lab Vendor #      Dropdown



# Shell Oil Products US Chain Of Custody Record

**Please Check Appropriate Box:**

<input type="checkbox"/> SGW FDG	<input type="checkbox"/> PIPELINE	<input type="checkbox"/> RETAIL
<input type="checkbox"/> CHEMICALS	<input type="checkbox"/> CONSULTANT	<input type="checkbox"/> LUBES
<input type="checkbox"/> TRANSPORTATION	<input type="checkbox"/> OTHER _____	

**Print Bill To Contact Name:** \_\_\_\_\_

**PlaNef Site or Project ID:** \_\_\_\_\_

CHECK IF NO INCIDENT # APPLIES

DATE: **9/19/24**

PAGE: **1** of **2**

**PO #** \_\_\_\_\_

**GSAP Project ID** \_\_\_\_\_

SAMPLING COMPANY: **Blaine Tech Services, Inc**      LOG CODE: **BTSS**      STATE: **WA**      GHD Project / Task Number: **12631170**

ADDRESS: **1680 Rogers Ave, San Jose, CA, 95112**      SITE ADDRESS: Street and City: **2555 13th Avenue**

EDF DELIVERABLE TO (Name, Company, Office Location): \_\_\_\_\_      PHONE NO.: **(425) 327-4585**      E-MAIL: **emily.blakeway@ghd.com**      GHD Other ID: \_\_\_\_\_

PROJECT CONTACT (Hardcopy or PDF Report to): **Emily Blakeway**      SAMPLER NAME(S) (Print): **Aimee Rike**      LAB USE ONLY: \_\_\_\_\_

TELEPHONE: **(425) 327-4585**      FAX: \_\_\_\_\_      Bill To Contact E-MAIL: **emily.blakeway@ghd.com**

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) \_\_\_\_\_

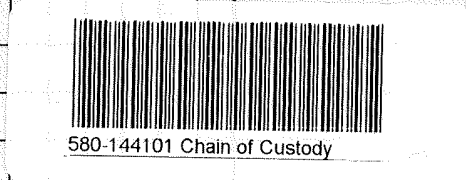
TEMPERATURE ON RECEIPT C°    Cooler #1: \_\_\_\_\_    Cooler #2: \_\_\_\_\_    Cooler #3: \_\_\_\_\_

SPECIAL INSTRUCTIONS OR NOTES :

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

REQUESTED ANALYSIS												FIELD NOTES:
UNIT COST						NON-UNIT COST						
SEB/C	BTEX	NV/TPH-DX				NV/TPH-GX	Total Lead	PAH				TEMPERATURE ON RECEIPT C°
												Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification		SAMPLING		MATRIX	PRESERVATIVE					NO. OF CONT.	
	DATE	TIME				HCL	HNO3	H2SO4	NONE	OTHER		
	MW-301	9/18/24	1100		GW	X					4	X
	MW-302	9/19/24	1120			X					4	X
	MW-303	9/18/24	1120			X					4	X
	MW-304	9/18/24	1148			X					4	X
	MW-307	9/18/24	1025			X					4	X
	MW-308	9/18/24	1000			X					4	X
	MW-310	9/18/24	1210			X					4	X
	MW-311	9/19/24	0800			X					4	X
	MW-312	9/19/24	0930			X					4	X
	MW-313	9/19/24	0825			X					6	X X



Reinquished by: (Signature) _____	Received by: (Signature) _____	Date: <b>9/23/24</b>	Time: <b>1042</b>
Reinquished by: (Signature) _____	Received by: (Signature) _____	Date: _____	Time: _____
Reinquished by: (Signature) _____	Received by: (Signature) _____	Date: _____	Time: _____

SB/wet/bob/CD      IRI/4 4.6/4.3



# Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 580-144101-1

SDG Number:

**Login Number: 144101**

**List Number: 1**

**Creator: Mcalpine, James 1**

**List Source: Eurofins Seattle**

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





# **Attachment 2**

**Data Quality Review Report**

# Data Verification Report

October 18, 2024

<b>To</b>	Emily Blakeway	<b>Project No.</b>	12631170
<b>Copy to</b>	Amber Meslar	<b>DVR No.</b>	4
<b>From</b>	Jeffrey Cloud/eew	<b>Contact No.</b>	1 971 925 3756
<b>Project Name</b>	Equilon Enterprises LLC dba Shell Oil Products US	<b>Email</b>	Jeffrey.Cloud@ghd.com
<b>Subject</b>	Analytical Results and Data Verification of Report 580-144101-1 Quarterly Groundwater Sampling Triton West Consent Decree Seattle, Washington September 2024		

*The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.*

## 1. Introduction

This document details a data verification 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 September 2024. Samples were submitted to Eurofins Seattle, located in Tacoma, 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 analytical 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, recovery data from surrogate spikes, laboratory control data and field QC data.

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 document entitled "National Functional Guidelines for Organic Superfund Methods Data Review", United States Environmental Protection Agency (USEPA) 540-R-20-005, November 2020.

## 2. Sample Holding Time and Preservation

The sample holding time criteria and sample preservation requirements for the requested parameters are summarized in the analytical 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 Method 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 one per analytical batch.

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation with the exception of benzene present at a low concentration. The associated sample result was significantly greater than the blank and was not impacted. No qualification of the data was deemed necessary.

### **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.

All samples submitted for volatile organic compound (VOC), gasoline range organics (GRO) and diesel range organics (DRO)/motor oil range organics (ORO) analyses 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) or 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 one per analytical batch.

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

### **6. 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.

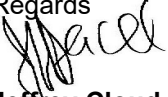
### **7. Analyte Reporting**

Data were reported down to the laboratory's quantitation limit (QL), which is defined as the method detection limit (MDL) with sample-specific adjustments for dilutions, aliquot size, volumes, etc. Positive analyte detections less than the reporting limit (RL) but greater than the QL were reported as estimated (J) in Table 3. Non-detect results were presented as non-detect at the RL in Table 3.

## 8. 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**  
**Equilon Enterprises LLC dba Shell Oil Products US - Triton West Consent Decree**  
**Seattle, Washington**  
**September 2024**

Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	Parameters			Comments
					DRO/ORO	GRO	VOCs	
MW-301	MW-301	Water	09/18/2024	11:00		X	X	
MW-302	MW-302	Water	09/19/2024	11:20		X	X	
MW-303	MW-303	Water	09/18/2024	11:20		X	X	
MW-304	MW-304	Water	09/18/2024	11:48		X	X	
MW-307	MW-307	Water	09/18/2024	10:25		X	X	
MW-308	MW-308	Water	09/18/2024	10:00		X	X	
MW-310	MW-310	Water	09/18/2024	12:10		X	X	
MW-311	MW-311	Water	09/19/2024	08:00		X	X	
MW-312	MW-312	Water	09/19/2024	09:30		X	X	
MW-313	MW-313	Water	09/19/2024	08:25	X	X	X	
MW-315	MW-315	Water	09/19/2024	08:55	X	X	X	
TX-03A	TX-03A	Water	09/19/2024	10:45		X	X	
TB-1	--	Water	09/19/2024	--		X	X	Trip Blank

## Notes:

- VOCs - Volatile Organic Compounds  
GRO - Gasoline Range Organics  
DRO/ORO - Diesel Range Organics/Motor Oil Range Organics  
"--" - Not Applicable



Table 2

**Analytical Methods**  
**Quarterly Groundwater Sampling**  
**Equilon Enterprises LLC dba Shell Oil Products US - Triton West Consent Decree**  
**Seattle, Washington**  
**September 2024**

<b>Parameter</b>	<b>Method</b>	<b>Matrix</b>
Volatile Organic Compounds (VOCs)	SW-846 8260D <sup>(1)</sup>	Water
Gasoline Range Organics (GRO)	NWTPH-Gx <sup>(2)</sup>	Water
Diesel Range Organics (DRO)/Motor Oil Range Organics (ORO)	NWTPH-Dx <sup>(2)</sup>	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

**Analytical Results Summary  
 Quarterly Groundwater Sampling  
 Equilon Enterprises LLC dba Shell Oil Products US - Triton West Consent Decree  
 Seattle, Washington  
 September 2024**

Location ID:	MW-301	MW-302	MW-303	MW-304	MW-307	MW-308
Sample Name:	MW-301	MW-302	MW-303	MW-304	MW-307	MW-308
Sample Date:	09/18/2024	09/19/2024	09/18/2024	09/18/2024	09/18/2024	09/18/2024

Parameters	Unit						
<b>Volatile Organic Compounds</b>							
Benzene	mg/L	0.0371	0.112	0.305	0.290	0.0440	0.00192
Ethylbenzene	mg/L	0.000608 J	0.0100 U	0.101	0.0100 U	0.0284	0.00100 U
Toluene	mg/L	0.00514	0.00532 J	0.00821 J	0.0119	0.0124	0.00107
Xylenes (total)	mg/L	0.00710	0.00688 J	0.0147 J	0.0347	0.0356	0.000598 J
<b>Total Petroleum Hydrocarbons</b>							
Gasoline	mg/L	1.15	1.20 J	2.91	1.82	2.37	0.482
Motor oil	mg/L	--	--	--	--	--	--
Total Petroleum Hydrocarbons - Extractable (DRO)	mg/L	--	--	--	--	--	--

**Analytical Results Summary**  
**Quarterly Groundwater Sampling**  
**Equilon Enterprises LLC dba Shell Oil Products US - Triton West Consent Decree**  
**Seattle, Washington**  
**September 2024**

Location ID:	MW-310	MW-311	MW-312	MW-313	MW-315	TX-03A
Sample Name:	MW-310	MW-311	MW-312	MW-313	MW-315	TX-03A
Sample Date:	09/18/2024	09/19/2024	09/19/2024	09/19/2024	09/19/2024	09/19/2024

Parameters	Unit						
<b>Volatile Organic Compounds</b>							
Benzene	mg/L	0.0228	0.00126	0.00716	0.00100 U	0.0118	0.213
Ethylbenzene	mg/L	0.000534 J	0.000584 J	0.00114	0.00100 U	0.000502 J	0.0100 U
Toluene	mg/L	0.00366	0.00256	0.00241	0.00100 U	0.00316	0.0122
Xylenes (total)	mg/L	0.00796	0.000930 J	0.00208	0.00200 U	0.00289	0.0147 J
<b>Total Petroleum Hydrocarbons</b>							
Gasoline	mg/L	1.21	2.80	2.98	0.150 U	3.51	2.42
Motor oil	mg/L	--	--	--	0.186 J	0.377	--
Total Petroleum Hydrocarbons - Extractable (DRO)	mg/L	--	--	--	0.125 J	4.05	--

## Notes:

U - Not detected at the associated concentration

J - Estimated concentration

"--" - Not analyzed

DRO - Diesel Range Organics