



Third Quarter 2018 Groundwater Monitoring and Operations and Maintenance Report

Phillips 66 Renton Terminal
2423 Lind Avenue Southwest
Renton, Washington

Agreed Order No. DE 11313
Facility Site I.D. No. 2070

GHD | 20818 44th Avenue West Suite 190 Lynnwood WA 98036
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1. Introduction

GHD is submitting this *Third Quarter 2018 Groundwater Monitoring and Operations and Maintenance Report* on behalf of Phillips 66 Company (P66) and BP for the P66 Renton Terminal located at 2423 Lind Avenue Southwest, Renton, Washington (Site, Figure 1).

On September 28, 2015, ExxonMobil, P66, and Ecology entered into an Agreed Order (DE 11313) to facilitate implementation of the remedial actions presented in the *Final Cleanup Action Report* (CAP). The remedial actions included installation of a new Dual-Phase Extraction (DPE) system, Operations and Maintenance (O&M), and performance monitoring. The new DPE system was completed in May 2015. The system began operation in May 2015 for a period of one year and then was shut down until October 2016 to implement system modifications. The modified DPE system operated intermittently between October 2016 and May 2017, and nearly continuously from May 2017 to present.

The purpose of this quarterly report is to present the results of groundwater monitoring and DPE system operation and evaluate the performance of the cleanup action. Groundwater monitoring and remediation activities were conducted in accordance with GHD's *Compliance Monitoring Plan* (CMP) dated October 19, 2016, *Final Cleanup Action Report* dated September 28, 2015, and the *Operations and Maintenance Manual* dated October 2015 (revised January 2017).

2. Description of Remediation System and Operational Status

Groundwater is extracted from DPE wells to a groundwater treatment system consisting of an oil-water separator (OWS), air stripper, equalization tank, sediment filters, and carbon vessels. The treated water effluent is discharged to the sanitary sewer system under King County Discharge Authorization Permit 7910-01. Soil vapor is extracted from the DPE wells under vacuum using four rotary claw blowers located in the main treatment compound. Air effluent from the air stripper along with soil vapor extracted from the DPE wells is treated by the thermal oxidizer and then discharged to the atmosphere under Puget Sound Clean Air Agency (PSCAA) discharge permit No.11102. A Site Plan is presented as Figure 2A; process and instrumentation diagrams were presented in GHD's *Fourth Quarter 2016 Groundwater Monitoring and Operation and Maintenance Report*.

During the reporting period, the DPE system operated for approximately 1,960 hours between July 1, 2018 and September 30, 2018 with an "up-time" of approximately 100 percent. The following are the notable system shutdowns that occurred during the reporting period:

- August 6, 2018 to August 8, 2018 and August 13, 2018 to August 16, 2018 planned shutdown to repair the vacuum relief
- September 6, 2018 to September 10, 2018 planned shutdown due to compressor problems and repairs
- Multiple routine planned shutdowns for air stripper cleaning and carbon back flushes



At present, the system is processing groundwater extracted from three remediation wells, and vapor extracted from 18 remediation wells, 15 of which are enhanced by air sweep. System operational data is provided in Tables 1 through 4. The extremely high dissolved iron concentrations in groundwater continue to cause system shutdowns. GHD is conducting a full review of system performance and creating an optimization plan focusing on the continuation of hydraulic control and mass removal via light non-aqueous phase liquids (LNAPL) and soil vapor extraction. GHD will implement system optimization in the upcoming quarters.

3. Third Quarter 2018 Remediation Activities

Remediation activities for the DPE system consist of equipment maintenance, performance monitoring, monthly compliance sampling, system shutdown response, troubleshooting, and repairs. Scheduled visits for routine O&M are made twice a week. A summary of the operational data collected for the DPE system is presented in Tables 2 and 4.

The following system maintenance and repair activities were completed:

- Sediment filter bag change-outs
- Cleaning of valves and transfer pumps
- Cleaning and servicing of well pumps
- Air stripper cleaning
- Carbon vessel back flushes
- Air compressor maintenance
- Vacuum relief repair

4. Summary of Compliance Sampling

The King County discharge authorization for the DPE system requires monthly compliance sampling. Samples were collected monthly during this operational period to monitor performance and verify compliance on July 17, 2018, August 13, 2018, and September 12, 2018. Treated effluent water samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) per Ecology Method NWTPH-Gx, total petroleum hydrocarbons as diesel (TPHd) and total petroleum hydrocarbons as motor oil (TPHo) per Ecology Method NWTPH-Dx, benzene, toluene, ethylbenzene, and xylenes (BTEX) per EPA Method 8260, and fats, oils, and grease (FOG) per EPA Method 1664A. The point of compliance for the permit is at the treated water effluent. All compliance samples collected demonstrated compliance with the permit conditions. Laboratory analytical reports are presented in Appendix A. Treated groundwater compliance sampling data are presented on Table 1. Results are presented to King County on a quarterly basis. The Third Quarter 2018 Self-Monitoring Report is presented in Appendix B.

The PSCAA air discharge permit for the DPE system requires monthly compliance sampling for TPHg and BTEX. Compliance samples were collected on July 17, 2018, August 13, 2018, and



September 12, 2018. Air samples were collected from the oxidizer influent and effluent and analyzed for TPHg and BTEX per EPA Method TO-15. Laboratory analytical reports are presented in Appendix A. All compliance samples collected demonstrate compliance with permit conditions. Air compliance sampling data are presented on Table 3.

5. Summary of System Performance

Contaminant removal rates for the DPE system are consistent with historical removal rates. Mass removal rates and total mass removed are presented on Tables 3 and 4 and Figures 3 and 4.

During the reporting period, the groundwater extraction system operated continuously except for the planned shutdowns noted in Section 2.0. Various wells were utilized for DPE to maintain system uptime during system troubleshooting and repair efforts. The process volumes and estimated mass removed for the reporting period are as follows:

Period	Gallons of Water extracted	Gallons of Free Product Removed (OWS)	Pounds of TPH Removed (Dissolved Liquid Phase)	Pounds of TPH Removed (Vapor Phase)	Total Pounds of TPH Removed
Third Quarter 2018 Operation (July 1, 2018 to September 30, 2018)	547,460	350	155	10,083	10,238
Cumulative Operation (May 8, 2015 to September 30, 2018)*	4,203,067	2,175	2,107	45,781	47,888

*Previous DPE and GWE system data prior to May 2015 submitted in previous reports

Note: density of free product assumed to be density of vehicle gasoline (6.14 lbs/gallon

"<https://www.epa.gov/sites/production/files/2014-01/gallonspoundsconversion.xls>")

The primary purpose of the DPE remediation system is to remove hydrocarbon mass from the subsurface and hydraulically contain the hydrocarbon-impacted groundwater plume to prevent further migration off-Site. Hydraulic monitoring was performed during the groundwater sampling activities and discussed in Section 7. Procedures for hydraulic monitoring are included in the CMP.

The system continues to operate below design standards due to iron precipitate fouling and sedimentation. GHD plans to complete additional system modifications to increase effectiveness during the fourth quarter of 2018 and first quarter 2019.



6. System Operation Conclusions

The DPE system operated at continuous up-time during the third quarter 2018. No unplanned shutdowns occurred during the reporting period.

The following activities will be performed during the fourth quarter 2018:

- Continuation of air sweep to enhance product recovery via SVE
- Increase the extraction rate by bringing more wells online; additional wells will be selected to maximize mass recovery and system run time
- Implement system improvement and optimization measures focusing on LNAPL removal
- Effluent discharge line tracing, cleaning and cleanout installation
- Minor system modifications including re-plumbing piping from moisture/air separator transfer to OWS, relocating the vacuum relief and installing a stainless steel static mixer

7. Third Quarter 2018 Groundwater Monitoring Field Activities

7.1 Hydraulic Monitoring

Third quarter 2018 hydraulic monitoring activities were conducted on September 27, 2018. Hydraulic monitoring activities consisted of measuring and recording depth to LNAPL, if present, and depth to groundwater from below the top of the well casing for 53 wells. Hydraulic monitoring activities were conducted in accordance with the procedures outlined in Section 4.1 of the CMP. Wells used in the hydraulic monitoring are presented on Table 5. A copy of the field data sheet documenting the hydraulic monitoring data is presented in Appendix C.

7.2 Groundwater Sampling

Groundwater sampling activities were completed between September 27 and 29, 2018. Groundwater samples were collected from 24 wells using low-flow sampling procedures. Wells used in the groundwater quality monitoring are presented on Table 6. In addition to the groundwater samples, two field duplicates and two matrix spike and matrix spike duplicate (MS/MSD) samples were collected for quality assurance purposes. Trip blanks provided by the subcontracting laboratory were included in each cooler. Samples collected during the event were placed immediately on ice and transported to Pace Analytical Laboratories via courier under chain of custody. Sample analyses included TPHg per Ecology Method NWTPH-Gx; TPHd and TPHo per Ecology Method NWTPH-Dx, and BTEX, per EPA Method 8260B.

The laboratory analytical report is included in Appendix D.



7.3 Investigation Derived Waste

All investigation derived waste (IDW) including purge water and decontamination water was processed through the onsite groundwater treatment system before discharge to the sanitary sewer system under King County discharge authorization No. 7910-01.

All disposable PPE were properly decontaminated and placed in the garbage for disposal.

8. Groundwater Monitoring Results

8.1 Groundwater Elevation and LNAPL Thickness Data

The purpose of the hydraulic monitoring is to evaluate groundwater flow direction(s) and gradient(s) and to monitor the presence and changing thicknesses of LNAPL on the water table. Current groundwater elevation data and LNAPL thicknesses are presented on Table 5.

Groundwater flow direction(s) and gradient(s) were not calculated this quarter because flow was radial in all directions; however, groundwater elevation contours are presented on Figure 5.

Historically, monitoring wells have been grouped for evaluation based on screened intervals. The wells are grouped as follows:

- Shallow – Wells screened in the fill material in the top 10 feet below ground surface (bgs)
- Intermediate – Wells screened from 5 to 20 feet bgs
- Deep – Wells screened deeper than 20 feet bgs

Currently, only three of the wells gauged (B-3A, B-4, and B-6) are considered shallow wells because they are screened entirely within the fill material, and do not span the silt/clay layer at approximately 10 feet bgs. Groundwater elevations in these three wells were consistent with historical data. None of the deep wells were gauged or sampled. Groundwater elevation data are presented in Table 5 and Figure 5.

8.1.1 Intermediate Well Elevation Data, Flow Direction, and Gradient

Data collected during the third quarter 2018 indicate that groundwater mounds in the vicinity of the tank farm, particularly focused around Tank No. 2, and in the vicinity of the loading rack, and flows radially away in all directions. Gradients were not calculated. Groundwater elevation data are presented on Figure 5.

8.1.2 LNAPL Thicknesses

During the third quarter 2018 sampling event, LNAPL was observed in one of the monitoring wells. The DPE wells were not gauged during the third quarter 2018 event because the DPE system was operating. LNAPL was detected in well P-2 at a thickness of 1.76 feet. In general, in-well LNAPL gauging provides relatively little in the way of technically valid indications of LNAPL conditions in the subsurface other than to confirm its presence and mobility. The presence of LNAPL in wells north



of the loading racks during recent sampling events indicates a mobile LNAPL mass in this area. LNAPL will continue to be monitored to determine if any trends are apparent.

8.2 Groundwater Quality Data

The purpose of the groundwater sampling program for this Site is to evaluate groundwater concentration trends to monitor DPE system performance over time. Historical groundwater quality data is presented on Table 6. Groundwater quality data from the third quarter 2018 sampling event is presented on Figure 6, and in Table 6. The laboratory analytical report for the third quarter 2018 event is presented in Appendix D. The analytical data validation memo is presented in Appendix E.

Laboratory analytical results from the third quarter 2018 event indicate concentrations of one or more analyzed constituents were above MTCA Method A cleanup levels for the following:

- TPHg – Wells B-4, B-6, RWX-2, RWX-7, MW-7, MW-8, MW-9, and MW-14
- TPHd - Wells B-4, B-6, RWX-2, RWX-7, MW-7, MW-8, MW-9, MW-14, and MW-15
- TPHo – Wells B-4 and B-6
- Benzene – Wells B-4, B-6, RWX-2, RWX-7, MW-7, MW-8, MW-9, MW-14, and MW-15
- Toluene – Wells RWX-2, MW-7, and MW-14
- Ethylbenzene – Wells MW-7 and MW-14
- Total Xylenes – RWX-2, MW-7, and MW-14

None of the other wells sampled contained concentrations above MTCA Method A cleanup levels.

The current groundwater quality data were compared to historical groundwater quality data to assess whether concentration trends have changed over time. Decreasing concentration trends along the perimeter of the plume indicate capture of the contaminant plume (i.e., absence of plume migration).

Monitoring wells MW-3 through MW-6 were installed along the eastern perimeter to delineate the eastern boundary of the plume and to determine if migration of contaminants is occurring. The concentrations in samples collected from these wells were below MTCA Method A cleanup levels. However, these wells will continue to be monitored to determine concentration trends and verify that impacts are not migrating from the site.

The concentrations in the sample collected from wells MW-1 and MW-2 along the southern perimeter, were below MTCA Method A cleanup levels indicating plume migration is not likely to be occurring to the south.

To the north, wells MW-11, MW-12, MW-13, and MW-16 remain below MTCA Method A cleanup levels indicating potential migration of dissolved contaminants to the vicinity of these wells has not occurred.



Groundwater concentrations in shallow wells to the north and west of the loading rack remain elevated, as well as wells in the vicinity of Tank 2. These wells will continue to be sampled to determine DPE system effectiveness.

9. Groundwater Monitoring Conclusions

Groundwater tends to mound near Tank No. 2 and near the loading rack and flow radially in all directions, consistent with historical flow directions and gradients.

Groundwater quality data for the perimeter wells indicate contaminant migration is not occurring and the current remediation efforts are maintaining hydraulic control of the plume.

The monitoring well network will continue to be monitored and sampled per the CMP to assess the effectiveness of the DPE system. GHD will continue to gauge wells on a quarterly basis to determine groundwater elevations and monitor LNAPL thickness; the analytical sampling frequency has been switched back to quarterly. A formal request for scope reduction has been prepared and submitted to Ecology. GHD is preparing a response to address Ecology's comments. The next scheduled monitoring event is during fourth quarter 2018.

10. Other Agreed Order Items

No Agreed Order items occurred during the third quarter 2018.

All of Which is Respectfully Submitted,

GHD

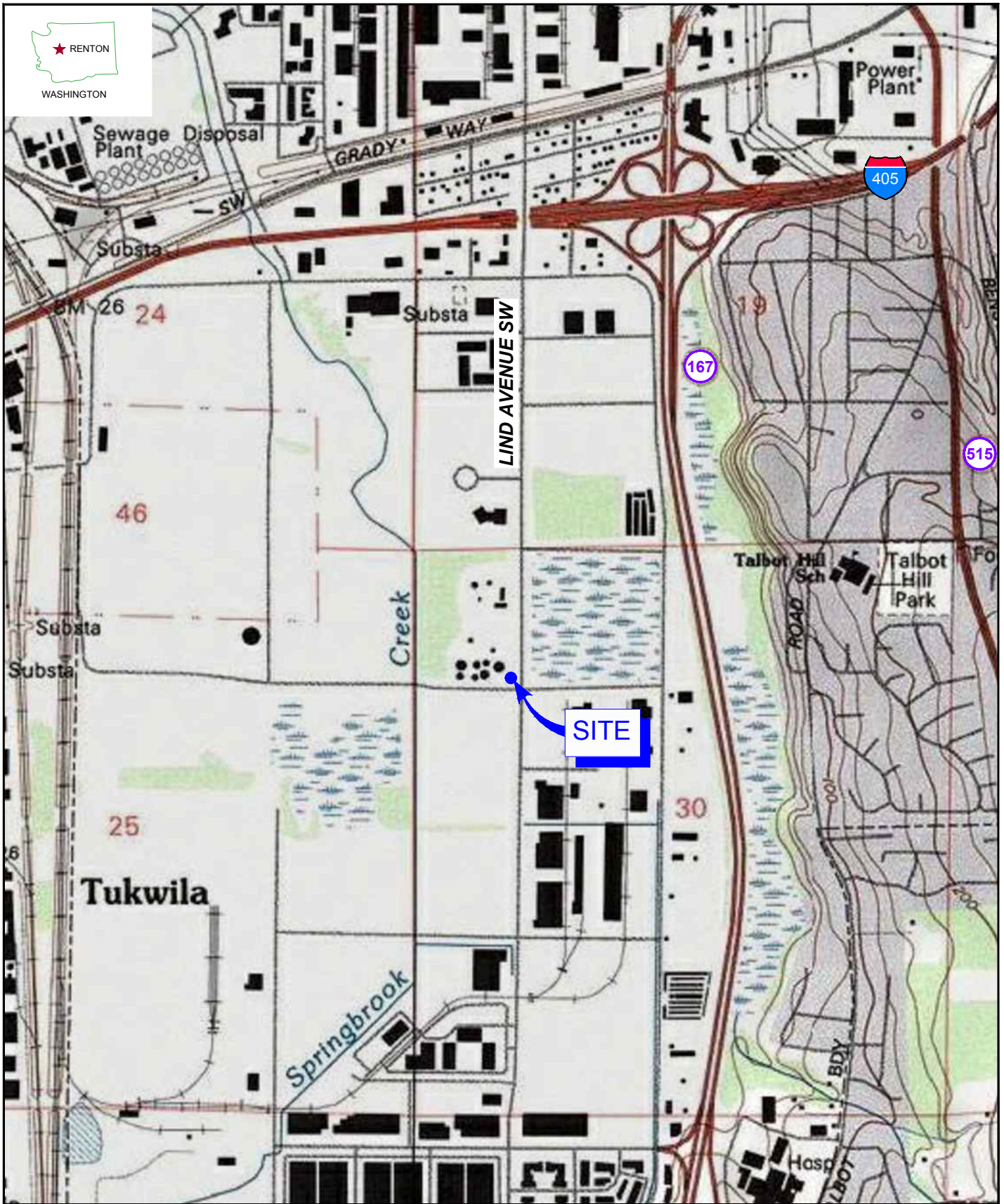
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Christina McClelland, LG

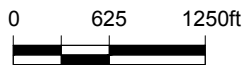
A handwritten signature in blue ink, appearing to read "Thuan Bui".

Thuan Bui, EIT

Figures



Source: TOPOI CA

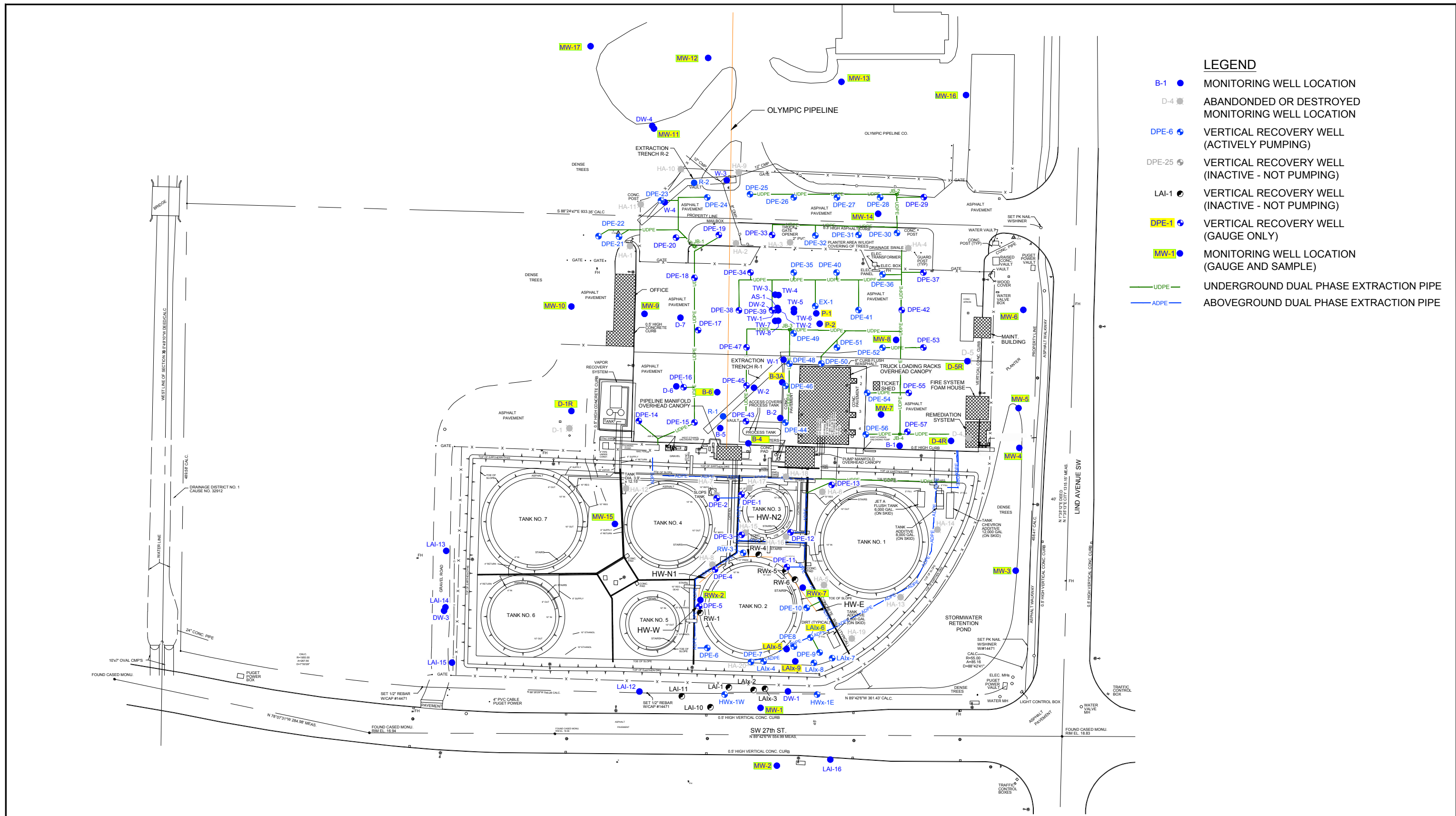


PHILLIPS 66 RENTON TERMINAL
 2423 LIND AVENUE SOUTHWEST
 RENTON, WASHINGTON

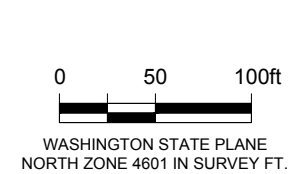
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 Nov 15, 2018

VICINITY MAP

FIGURE 1



SOURCE: STATEWIDE LAND SURVEYING INC., DATED 01/26/2012.



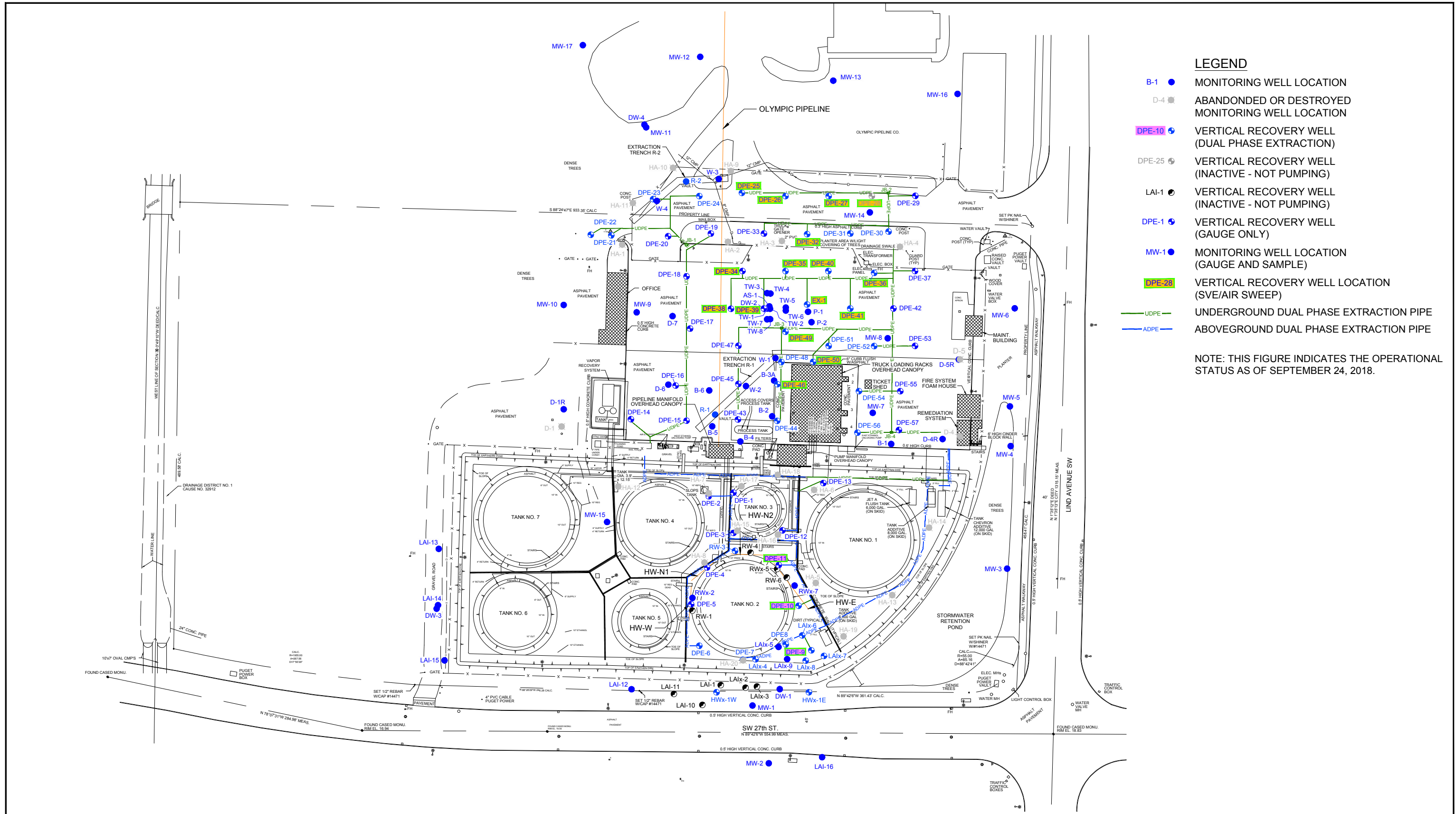
PHILLIPS 66 RENTON TERMINAL
2423 LIND AVENUE SOUTHWEST
RENTON, WASHINGTON

SITE PLAN WITH MONITORING LOCATIONS

070496.17-6MN00

Nov 15, 2018

FIGURE 2A

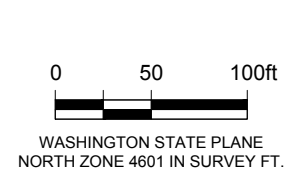


LEGEND

- B-1 ● MONITORING WELL LOCATION
- D-4 ■ ABANDONED OR DESTROYED MONITORING WELL LOCATION
- DPE-10 ● VERTICAL RECOVERY WELL (DUAL PHASE EXTRACTION)
- DPE-25 ● VERTICAL RECOVERY WELL (INACTIVE - NOT PUMPING)
- LAI-1 ● VERTICAL RECOVERY WELL (INACTIVE - NOT PUMPING)
- DPE-1 ● VERTICAL RECOVERY WELL (GAUGE ONLY)
- MW-1 ● MONITORING WELL LOCATION (GAUGE AND SAMPLE)
- DPE-28 ● VERTICAL RECOVERY WELL LOCATION (SVE/AIR SWEEP)
- UDPE — UNDERGROUND DUAL PHASE EXTRACTION PIPE
- ADPE — ABOVEGROUND DUAL PHASE EXTRACTION PIPE

NOTE: THIS FIGURE INDICATES THE OPERATIONAL STATUS AS OF SEPTEMBER 24, 2018.

SOURCE: STATEWIDE LAND SURVEYING INC., DATED 01/26/2012.



PHILLIPS 66 RENTON TERMINAL
2423 LIND AVENUE SOUTHWEST
RENTON, WASHINGTON

070496.17-6MN00
Nov 15, 2018

SITE PLAN WITH ACTIVE REMEDIATION LOCATIONS

FIGURE 2B

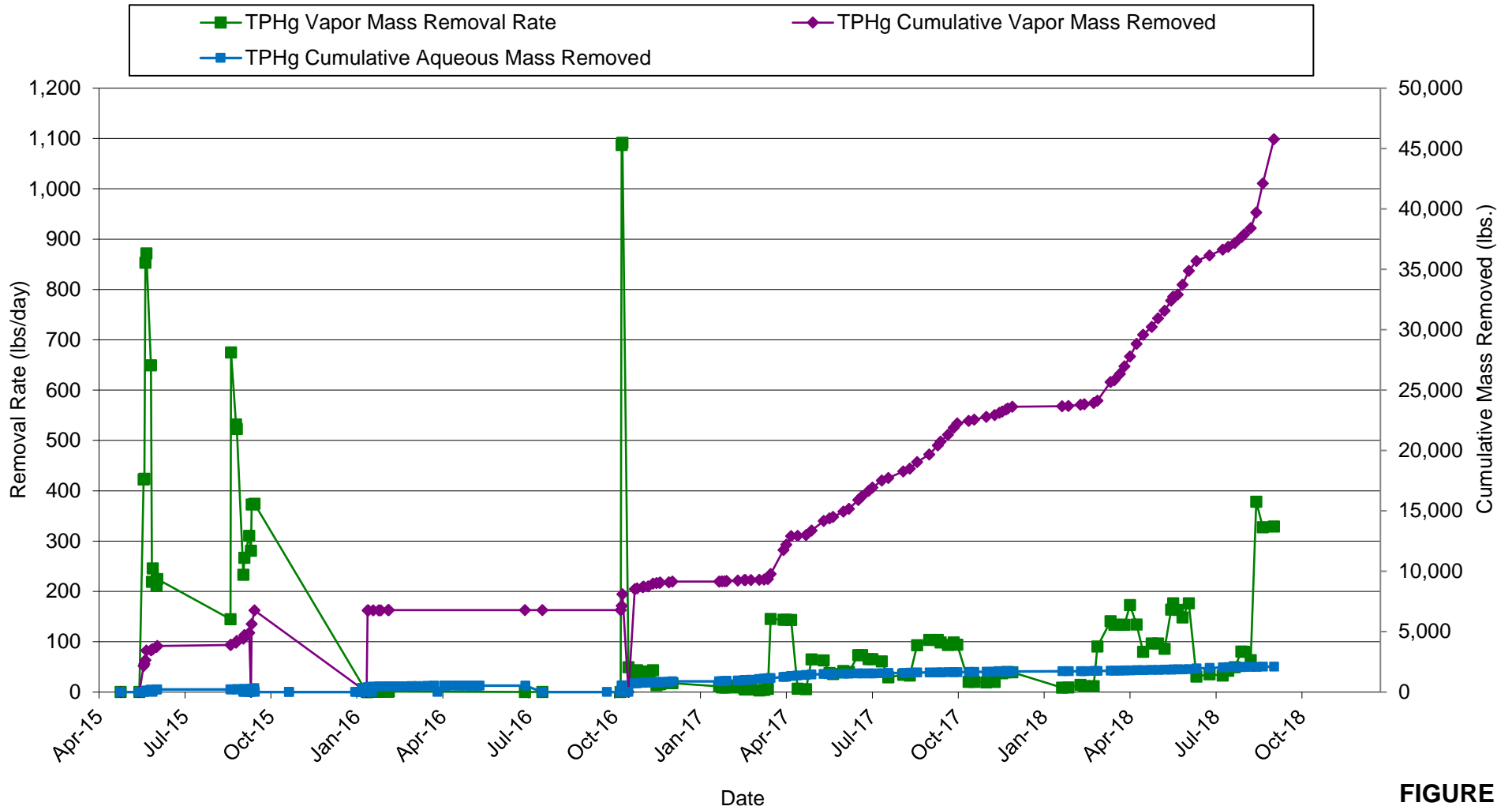


FIGURE 3

Phillips 66 Renton Terminal
 2423 Lind Avenue Southwest
 Renton, Washington



TPHg MASS REMOVAL VS. TIME

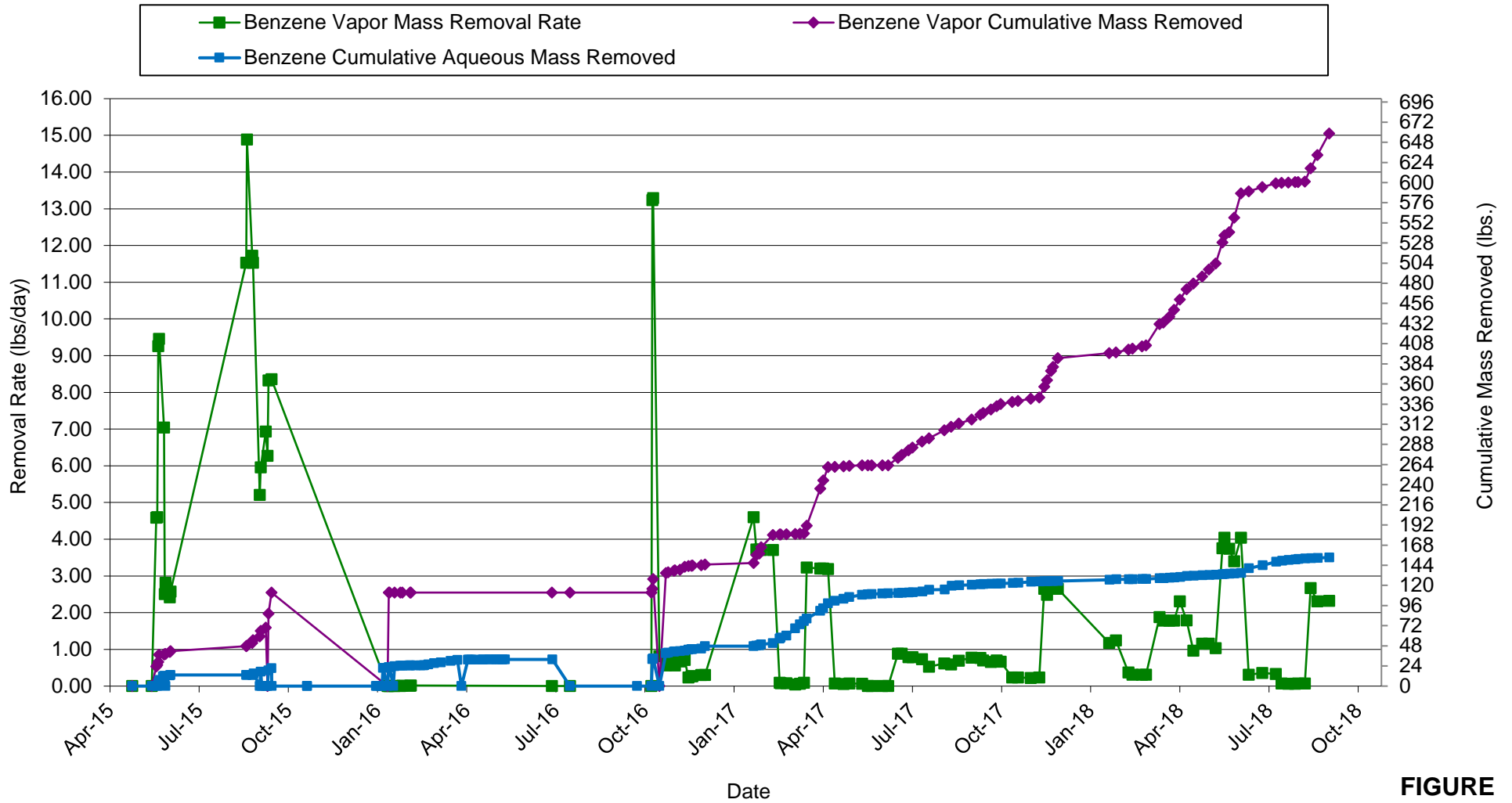
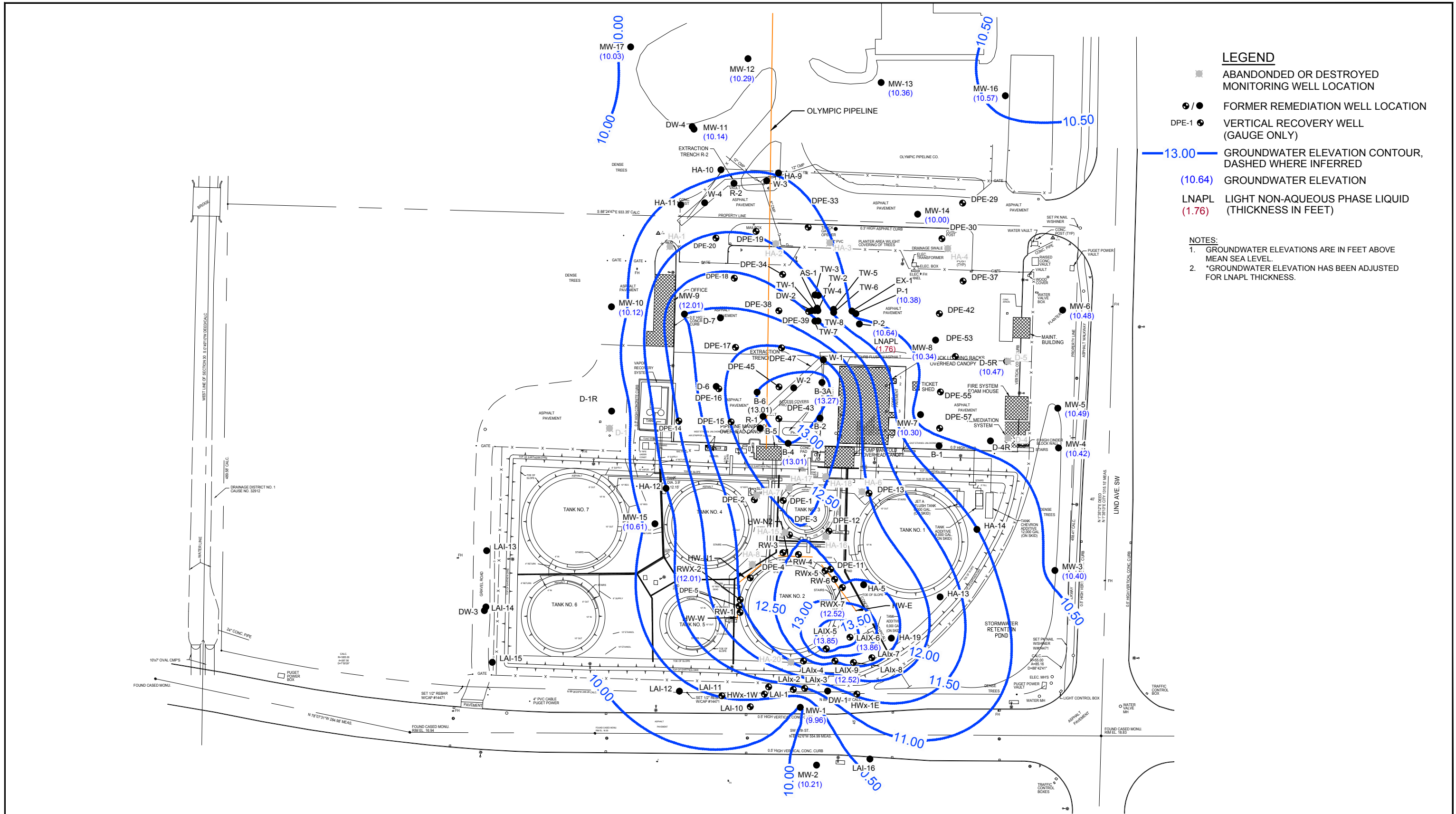


FIGURE 4

Phillips 66 Renton Terminal
 2423 Lind Avenue Southwest
 Renton, Washington



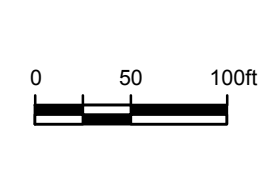
BENZENE MASS REMOVAL VS. TIME



- LEGEND**
- ABANDONED OR DESTROYED MONITORING WELL LOCATION
 - / ● FORMER REMEDIATION WELL LOCATION
 - DPE-1 ● VERTICAL RECOVERY WELL (GAUGE ONLY)
 - 13.00 — GROUNDWATER ELEVATION CONTOUR, DASHED WHERE INFERRED
 - (10.64) GROUNDWATER ELEVATION
 - LNAPL (1.76) LIGHT NON-AQUEOUS PHASE LIQUID (THICKNESS IN FEET)

- NOTES:**
1. GROUNDWATER ELEVATIONS ARE IN FEET ABOVE MEAN SEA LEVEL.
 2. *GROUNDWATER ELEVATION HAS BEEN ADJUSTED FOR LNAPL THICKNESS.

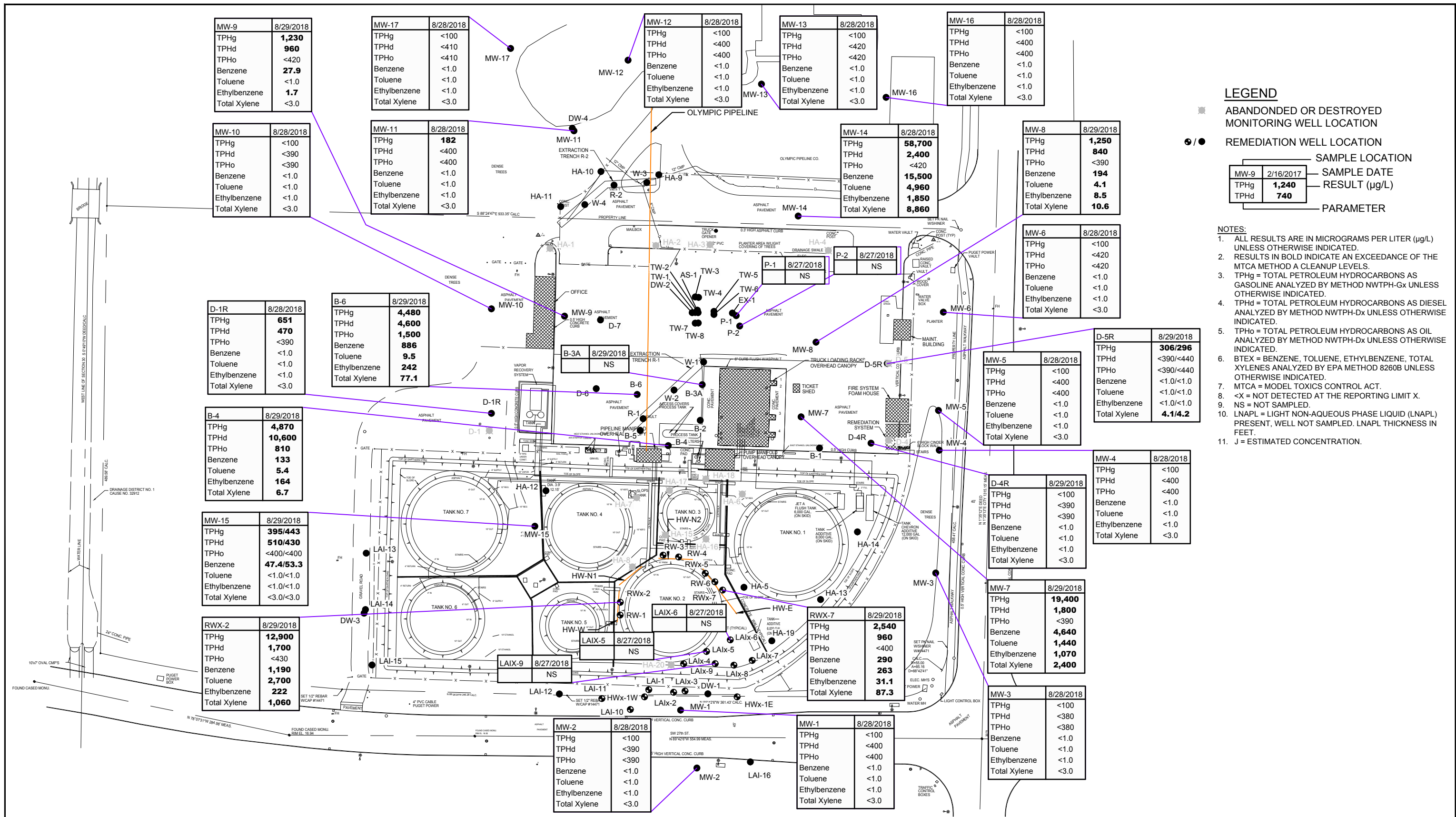
SOURCE: STATEWIDE LAND SURVEYING INC., DATED 1/26/12.



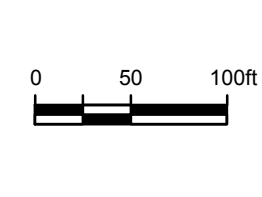
PHILLIPS 66 RENTON TERMINAL
 2423 LIND AVENUE SOUTHWEST
 RENTON, WASHINGTON
GROUNDWATER ELEVATION MAP
 SEPTEMBER 27-29, 2018

070496.17-6MN00
 Oct 23, 2018

FIGURE 5



SOURCE: STATEWIDE LAND SURVEYING INC., DATED 1/26/12.



PHILLIPS 66 RENTON TERMINAL
 2423 LIND AVENUE SOUTHWEST
 RENTON, WASHINGTON
 GROUNDWATER ANALYTICAL DATA -
 THIRD QUARTER 2018

070496.17-6MN00
 Oct 23, 2018

FIGURE 6

Tables

Table 2

**Groundwater Extraction System Operational Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Date (mm/dd/yy)	SV-3102 hrs	Total Uptime*	Water Extraction				Product Extraction		TPPH			Benzene		
			Totalizer Reading (gallons)	Cumulative Flow (gallons)	Average Flow Rate (gpd)	Average Flow Rate (gpm)	Product Tank Level (inches)	Product recovery (gallons)	Influent Conc. (µg/L)	Removal Rate (ppd)	Cumulative Recovery (pounds)	Influent Conc. (µg/L)	Removal Rate (ppd)	Cumulative Recovery (pounds)
05/08/15		NA	0	0	NA	NA	0	0	393,000	NM	0	13,000	NM	0
05/28/15		NM	42,164	42,164	2,108	1.5	NM	NM	153,000	6.91	0	10,200	0.229	0
06/01/15		NM	119,025	119,025	16,694	11.6	18.0	90	NM	21.3	0	NM	1.42	0
06/02/15		NM	130,343	130,343	11,186	7.8	18.0	90	NM	14.3	0	NM	0.95	0
06/03/15		NM	143,175	143,175	12,213	8.5	18.0	90	NM	15.6	56	NM	1.04	3.5
06/04/15		100%	174,111	174,111	32,517	22.6	18.0	90	NM	41.5	98	NM	2.77	6.3
06/05/15		69%	190,602	190,602	19,529	13.6	18.0	90	NM	24.9	112	NM	1.66	7.3
06/08/15		83%	248,551	248,551	18,324	12.7	19.0	95	NM	23.4	174	NM	1.56	11.4
06/09/15		58%	260,576	260,576	12,025	8.4	19.5	97	NM	15.4	183	NM	1.02	12.0
06/10/15		23%	267,688	267,688	8,001	5.6	19.5	97	NM	10.2	185	NM	0.68	12.1
06/11/15		5%	NM	NM	NM	NM	20.0	100	NM	NM	NM	NM	NM	NM
06/15/15		21%	295,654	295,654	6,645	4.6	21.0	105	NM	8.5	193	NM	0.57	12.6
06/16/15		38%	304,658	304,658	10,373	7.2	25.0	125	660,000	57.1	212	22,100	1.91	13.3
09/02/15		1%	329,320	329,320	316	0.2	2.0	135	NM	1.7	213	NM	0.06	13.3
09/03/15		0%	333,120	333,120	4,800	3.3	2.0	135	145,000	5.8	213	8,150	0.33	13.3
09/08/15		2%	337,021	337,021	747	0.5	5.3	151	NM	0.9	214	NM	0.05	13.3
09/09/15		22%	343,401	343,401	6,586	4.6	6.3	156	NM	8.0	215	NM	0.45	13.4
09/10/15		97%	366,411	366,411	31,557	21.9	7.0	160	NM	38.2	242	NM	2.15	14.9
09/16/15		NM	368,733	368,733	374	0.3	7.0	160	107,000	0.3	NM	8,440	0.03	NM
09/17/15		18%	394,204	394,204	23,288	16.2	12.8	188	NM	20.8	269	NM	1.64	17.1
09/18/15		NM	407,869	407,869	15,869	11.0	16.0	204	NM	14.2	NM	NM	1.12	NM
09/22/15		NM	409,896	409,896	486	0.3	19.0	219	NM	0.4	NM	NM	0.03	NM
09/24/15		NM	423,762	423,762	7,006	4.9	20.0	224	NM	6.3	NM	NM	0.49	NM
09/25/15		35%	430,097	430,097	6,693	4.6	0.0	224	NM	6.0	288	NM	0.47	18.5
09/28/15		101%	468,461	468,461	12,962	9.0	6.0	254	NM	11.6	323	NM	0.91	21.3
09/28/15		97%	NM	NM	NM	NM	NM	254	NM	NM	NM	NM	NM	NM
11/04/15		NM	472,794	NM	NM	NM	NM	254	NM	NM	NM	NM	NM	NM
11/04/15		NM	472,814	NM	NM	NM	NM	254	NM	NM	NM	NM	NM	NM
01/14/16		NM	472,820	NM	NM	NM	NM	254	NM	NM	NM	NM	NM	NM
01/15/16		NM	475,012	470,653	1,948	1.4	NM	254	NM	NM	NM	NM	NM	NM
01/19/16		NM	476,154	NM	NM	NM	NM	254	NM	NM	NM	NM	NM	NM
01/20/16		NM	477,419	471,918	1,080	0.8	NM	254	NM	NM	NM	NM	NM	NM
01/21/16		NM	489,519	484,018	12,410	8.6	2.0	264	80,800	8.4	343	1,540	0.16	21.7
01/26/16		NM	537,500	531,999	10,028	7.0	2.0	264	NM	6.8	NM	NM	0.13	NM
01/27/16		100%	549,300	543,799	10,554	7.3	5.0	279	NM	7.1	385	NM	0.14	22.5
01/28/16		98%	566,046	560,545	18,722	13.0	6.0	284	NM	12.6	396	NM	0.24	22.7
02/01/16		100%	NM	NM	NM	NM	NM	284	NM	NM	NM	NM	NM	NM
02/02/16		100%	649,526	644,025	16,375	11.4	6.0	284	NM	11.0	453	NM	0.21	23.8
02/08/16		99%	718,614	713,113	11,628	8.1	6.0	284	8,500	0.8	458	762	0.07	24.2
02/10/16		98%	738,027	732,526	9,541	6.6	6.0	284	NM	0.7	460	NM	0.06	24.3

Table 2

**Groundwater Extraction System Operational Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Date (mm/dd/yy)	SV-3102 hrs	Total Uptime*	Water Extraction				Product Extraction		TPPH			Benzene		
			Totalizer Reading (gallons)	Cumulative Flow (gallons)	Average Flow Rate (gpd)	Average Flow Rate (gpm)	Product Tank Level (inches)	Product recovery (gallons)	Influent Conc. (µg/L)	Removal Rate (ppd)	Cumulative Recovery (pounds)	Influent Conc. (µg/L)	Removal Rate (ppd)	Cumulative Recovery (pounds)
02/17/16		68%	779,343	773,842	5,873	4.1	6.0	284	NM	0.4	462	NM	0.04	24.5
02/18/16		100%	783,228	777,727	3,872	2.7	6.0	284	NM	0.3	462	NM	0.02	24.5
02/19/16		100%	787,922	782,421	5,082	3.5	6.0	284	NM	0.4	462	NM	0.03	24.5
02/24/16		100%	800,538	795,037	2,499	1.7	6.0	284	NM	0.2	463	NM	0.02	24.6
02/29/16		100%	811,196	805,695	2,162	1.5	6.0	284	NM	0.2	464	NM	0.01	24.7
03/03/16		100%	818,810	813,309	2,468	1.7	6.0	284	NM	0.2	464	NM	0.02	24.7
03/04/16		98%	822,699	817,198	4,148	2.9	6.0	284	69,200	2.4	467	7,730	0.27	25.0
03/08/16		100%	836,974	831,473	3,541	2.5	6.0	284	NM	2.0	475	NM	0.23	25.9
03/14/16		99%	858,572	853,071	3,596	2.5	6.0	284	NM	2.1	487	NM	0.23	27.3
03/21/16	81	74%	874,773	869,272	2,313	1.6	6.0	284	NM	1.3	494	NM	0.15	28.1
03/31/16	1,637	100%	905,470	899,969	3,057	2.1	6.0	284	NM	1.8	512	NM	0.20	30.1
04/07/16	1,948	100%	924,033	918,532	2,668	1.9	6.0	284	NM	1.5	523	NM	0.17	31.3
04/11/16	0.841	101%	931,356	925,855	1,812	1.3	6.0	NM	16,300	NM	NM	1,400	NM	NM
04/18/16		98%	935,543	930,042	620	0.4	6.0	284	NM	0.1	524	NM	0.01	31.3
04/19/16		87%	935,960	930,459	417	0.3	6.0	284	NM	0.1	524	NM	0.00	31.3
04/21/16		94%	939,503	934,002	1,890	1.3	6.3	286	NM	0.3	524	NM	0.02	31.4
04/25/16		100%	945,414	939,913	1,478	1.0	6.3	286	NM	0.2	525	NM	0.02	31.4
05/03/16		90%	960,595	955,094	2,094	1.5	8.0	294	NM	0.3	527	NM	0.02	31.6
05/04/16		30%	961,300	955,799	2,820	2.0	8.0	294	NM	0.4	527	NM	0.03	31.6
05/10/16		100%	968,802	963,301	1,217	0.8	8.3	295	13,400	0.1	528	998	0.01	31.7
05/13/16		100%	972,250	966,749	1,166	0.8	8.3	295	NM	0.1	528	NM	0.01	31.7
05/17/16		100%	975,853	970,352	901	0.6	8.3	295	NM	0.1	529	NM	0.01	31.8
05/20/16		100%	979,324	973,823	1,190	0.8	8.3	295	NM	0.1	529	NM	0.01	31.8
05/23/16		100%	982,934	977,433	1,155	0.8	8.3	295	NM	0.1	529	NM	0.01	31.8
05/24/16		100%	984,358	978,857	1,799	1.2	8.3	295	NM	0.2	530	NM	0.01	31.8
05/26/16		100%	986,561	981,060	979	0.7	8.3	295	NM	0.1	530	NM	0.01	31.8
07/14/16		NA	988,514	983,013	15,624	10.9	NM	NM	NM	1.7	530	NM	0.13	31.9
08/01/16		NA	988,514	983,013	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM
10/10/16		NA	990,903	985,402	NA	NA	0.0	295	91,400	NM	NM	6,820	NM	NM
10/24/16		NA	992,031	986,530	NA	NA	0.0	295	NM	NM	NM	NM	NM	NM
10/25/16		33%	996,053	990,552	12,066	8.4	0.0	295	NM	9.2	533	NM	0.69	32.1
10/26/16	3,154	100%	1,012,766	1,007,265	18,232	12.7	0.0	295	NM	13.9	546	NM	1.04	33.0
11/02/16	--	--	--	--	--	--	--	--	123,000	NM	NM	4,660	NM	NM
11/08/16	3,453	95%	1,173,110	1,167,609	12,870	8.9	0.0	595	NM	13.2	711	NM	0.50	39.3
11/11/16	3,484	52%	1,190,561	1,185,060	13,510	9.4	1.0	600	NM	13.9	728	NM	0.53	40.0
11/17/16	3,552	47%	1,218,771	1,213,270	9,956	6.9	5.5	623	NM	10.2	757	NM	0.39	41.0
11/18/16	3,569	71%	1,225,541	1,220,040	9,558	6.6	12.0	655	NM	9.8	764	NM	0.37	41.3
11/23/16	3,588	16%	1,234,871	1,229,370	11,785	8.2	14.0	665	NM	12.1	774	NM	0.46	41.7
11/28/16	3,711	100%	1,249,041	1,243,540	2,765	1.9	15.0	670	NM	2.8	788	NM	0.11	42.2
12/02/16	3,780	72%	1,280,241	1,274,740	10,852	7.5	0.0	810	NM	11.1	820	NM	0.42	43.4

Table 2

**Groundwater Extraction System Operational Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Date (mm/dd/yy)	SV-3102 hrs	Total Uptime*	Water Extraction				Product Extraction		TPPH			Benzene		
			Totalizer Reading (gallons)	Cumulative Flow (gallons)	Average Flow Rate (gpd)	Average Flow Rate (gpm)	Product Tank Level (inches)	Product recovery (gallons)	Influent Conc. (µg/L)	Removal Rate (ppd)	Cumulative Recovery (pounds)	Influent Conc. (µg/L)	Removal Rate (ppd)	Cumulative Recovery (pounds)
12/05/16	3,813	46%	1,294,611	1,289,110	10,451	7.3	10.5	863	NM	10.7	835	NM	0.41	44.0
12/06/16	3,834	88%	1,294,871	1,289,370	297	0.2	10.5	863	168,000	0.4	836	12,200	0.03	44.0
12/15/16	3,869	16%	1,301,001	1,295,500	4,203	2.9	0.0	1003	NM	5.9	844	NM	0.43	44.6
12/19/16	3,947	81%	1,328,511	1,323,010	8,465	5.9	0.0	1003	NM	11.9	883	NM	0.86	47.4
02/07/17	3,951	0%	1,330,662	1,325,161	12,906	9.0	0.0	1003	NM	17.6	886	NM	1.02	47.6
02/10/17	4,011	83%	1,336,888	1,331,387	2,490	1.7	0.0	1003	NM	3.4	894	NM	0.20	48.1
02/13/17	4,022	15%	1,341,190	1,335,689	9,386	6.5	0.0	1003	NM	12.8	900	NM	0.74	48.4
02/15/17	4,068	96%	1,357,847	1,352,346	8,691	6.0	4.0	1023	NM	11.8	923	NM	0.69	49.8
02/27/17	4,162	33%	1,377,574	1,372,073	5,037	3.5	0.0	1173	163,000	6.9	949	9,450	0.40	51.3
03/06/17	4,284	73%	1,415,527	1,410,026	7,466	5.2	0.0	1173	NM	7.4	987	NM	1.01	56.4
03/07/17	4,310	100%	1,425,028	1,419,527	8,770	6.1	0.0	1173	NM	8.6	996	NM	1.19	57.7
03/13/17	4,346	25%	1,443,676	1,438,175	12,432	8.6	0.0	1173	NM	12.2	1,015	NM	1.68	60.3
03/22/17	4,523	82%	1,506,046	1,500,545	8,457	5.9	0.0	1173	NM	8.3	1,076	NM	1.14	68.7
03/27/17	4,632	91%	1,542,554	1,537,053	8,038	5.6	6.0	1203	118,000	7.9	1,112	16,200	1.09	73.6
03/31/17	4,730	100%	1,571,505	1,566,004	7,090	4.9	15.5	1250	NM	7.0	1,140	NM	0.96	77.5
04/03/17	4,797	93%	1,593,739	1,588,238	7,964	5.5	19.0	1267	NM	9.6	1,167	NM	1.08	80.6
04/17/17	5,122	97%	1,660,630	1,655,129	4,940	3.4	0.0	1472	NM	5.9	1,248	NM	0.67	89.7
04/20/17	5,193	99%	1,683,196	1,677,695	7,628	5.3	0.0	1472	144,000	9.2	1,275	16,300	1.04	92.7
04/25/17	5,310	98%	1,725,915	1,720,414	8,763	6.1	12.0	1532	NM	10.5	1,326	NM	1.19	98.5
05/02/17	5,419	65%	1,786,988	1,781,487	13,447	9.3	0.0	1815	NM	10.4	1,373	NM	0.66	101.5
05/11/17	5,633	99%	1,837,690	1,832,189	5,686	3.9	2.0	1825	92,900	4.4	1,413	5,870	0.28	104.0
05/17/17	5,770	95%	1,879,057	1,873,556	7,247	5.0	2.0	1825	NM	5.6	1,445	NM	0.35	106.0
05/30/17	6,068	96%	1,934,549	1,929,048	4,469	3.1	2.0	1825	NM	3.5	1,488	NM	0.22	108.8
06/05/17	6,192	86%	1,958,982	1,953,481	4,729	3.3	2.0	1825	NM	2.0	1,498	NM	0.10	109.3
06/09/17	6,283	95%	1,972,708	1,967,207	3,620	2.5	2.0	1825	49,900	1.5	1,504	2,530	0.08	109.6
06/20/17	6,524	91%	2,010,460	2,004,959	3,760	2.6	2.0	1825	NM	1.6	1,519	NM	0.08	110.4
06/26/17	6,662	96%	2,024,580	2,019,079	2,456	1.7	2.0	1825	NM	1.0	1,525	NM	0.05	110.7
7/6/17 12:00	6,900	100%	2,048,780	2,043,279	2,440	1.7	2.0	1825	NM	0.5	1,530	NM	0.03	111.0
7/10/17 10:00	6,994	100%	2,056,292	2,050,791	1,918	1.3	2.0	1825	25,000	0.4	1,532	1,530	0.02	111.1
7/17/17 11:20	7,156	99%	2,085,700	2,080,199	4,357	3.0	2.0	1825	NM	0.9	1,538	NM	0.06	111.4
7/21/17 12:00	7,252	100%	2,105,609	2,100,108	4,977	3.5	2.0	1825	NM	1.0	1,542	NM	0.06	111.7
7/31/17 9:00	7,483	99%	2,180,003	2,174,502	7,729	5.4	2.0	1825	NM	1.6	1,558	NM	0.10	112.6
8/7/17 7:30	7,559	46%	2,218,824	2,213,323	12,259	8.5	2.0	1825	NM	4.9	1,573	NM	0.70	114.9
8/23/17 8:50	7,570	3%	2,223,756	2,218,255	10,761	7.5	0.0	1825	47,700	4.3	1,575	6,880	0.62	115.1
8/30/17 14:15	7,737	99%	2,300,587	2,295,086	11,042	7.7	0.0	1825	NM	4.4	1,606	NM	0.63	119.6
9/7/17 8:00	7,870	97%	2,352,720	2,347,219	9,407	6.5	0.0	1825	NM	1.1	1,611	NM	0.09	120.0
9/20/17 9:52	8,013	88%	2,411,690	2,406,189	9,897	6.9	0.0	1825	13,500	1.1	1,618	1,120	0.09	120.6
9/29/17 9:35	8,183	82%	2,480,603	2,475,102	9,729	6.8	0.0	1825	NM	1.1	1,626	NM	0.09	121.2
10/2/17 14:20	8,255	99%	2,504,617	2,499,116	8,005	5.6	0.0	1825	NM	1.5	1,630	NM	0.07	121.5
10/10/17 16:30	8,396	78%	2,560,141	2,554,640	9,451	6.6	0.0	1825	NM	1.8	1,641	NM	0.09	122.0

Table 2

**Groundwater Extraction System Operational Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Date (mm/dd/yy)	SV-3102 hrs	Total Uptime*	Water Extraction				Product Extraction		TPPH			Benzene		
			Totalizer Reading (gallons)	Cumulative Flow (gallons)	Average Flow Rate (gpd)	Average Flow Rate (gpm)	Product Tank Level (inches)	Product recovery (gallons)	Influent Conc. (µg/L)	Removal Rate (ppd)	Cumulative Recovery (pounds)	Influent Conc. (µg/L)	Removal Rate (ppd)	Cumulative Recovery (pounds)
10/16/17 9:30	8,535	100%	2,569,277	2,563,776	1,577	1.1	0.0	1825	22,500	0.3	1,643	1,080	0.01	122.0
10/20/17 6:30	8,621	92%	2,582,850	2,577,349	3,788	2.6	0.0	1825	NM	0.7	1,645	NM	0.03	122.2
11/1/17 14:45	8,860	97%	2,616,164	2,610,663	3,345	2.3	0.0	1825	NM	1.1	1,656	NM	0.06	122.8
11/7/17 8:00	8,993	97%	2,638,991	2,633,490	4,119	2.9	0.0	1825	NM	1.4	1,664	NM	0.07	123.2
11/20/17 14:25	9,267	88%	2,695,549	2,690,048	4,954	3.4	0.0	1825	40,400	1.7	1,683	2,110	0.09	124.1
11/29/17 13:45	9,425	99%	2,725,691	2,720,190	4,579	3.2	0.0	1825	NM	1.5	1,693	NM	0.08	124.7
12/4/17 9:15	9,540	100%	2,742,200	2,736,699	3,445	2.4	0.0	1825	NM	0.8	1,697	NM	0.04	124.9
12/7/17 11:30	9,612	100%	2,749,640	2,744,139	2,480	1.7	0.0	1825	NM	0.6	1,699	NM	0.03	125.0
12/11/17 14:05	9,711	100%	2,759,399	2,753,898	2,366	1.6	0.0	1825	28,000	0.6	1,701	1,560	0.03	125.1
12/13/17 8:23	9,754	100%	2,763,143	2,757,642	2,090	1.5	0.0	1825	NM	0.5	1,702	NM	0.03	125.2
12/18/17 10:15	9,846	100%	2,770,770	2,765,269	1,990	1.4	0.0	1825	NM	0.5	1,704	NM	0.03	125.3
12/20/17 13:30		System off for winterization												
2/9/18 13:00	9,962	100%	2,800,314	2,794,813	6,113	4.2	0.0	1825	NM	2.5	1,716	NM	0.31	126.8
2/16/18 13:00	9,978	23%	2,807,927	2,802,426	11,420	7.9	0.0	1825	49,800	4.7	1,719	6,050	0.58	127.1
3/1/18 8:10	10,191	99%	2,873,717	2,868,216	7,413	5.1	0.0	1825	NM	1.1	1,729	NM	0.01	127.2
3/5/18 9:10	10,279	98%	2,900,156	2,894,655	7,211	5.0	0.0	1825	NM	1.1	1,733	NM	0.01	127.3
3/15/18 9:00	10,478	87%	2,990,663	2,985,162	10,915	7.6	0.0	1825	18,400	1.7	1,747	186	0.02	127.4
3/19/18 8:00	10,566	100%	3,024,765	3,019,264	9,301	6.5	0.0	1825	NM	1.4	1,752	NM	0.01	127.5
4/2/18 7:30	10,723	47%	3,089,084	3,083,583	9,832	6.8	0.0	1825	NM	2.3	1,767	NM	0.17	128.6
4/6/18 9:40	10,723	0%	3,091,545	3,086,044	0	0.0	0.0	1825	NM	0.0	1,767	NM	0.00	128.6
4/12/18 14:40	10,814	61%	3,122,115	3,116,614	8,062	5.6	0.0	1825	NM	1.9	1,774	NM	0.14	129.1
4/17/18 10:15	10,923	94%	3,141,330	3,135,829	4,231	2.9	0.0	1825	27,600	1.0	1,779	2,020	0.07	129.4
4/23/18 13:00	11,047	84%	3,166,938	3,161,437	4,956	3.4	0.0	1825	NM	1.1	1,785	NM	0.08	129.8
4/30/18 8:00	11,209	99%	3,239,670	3,234,169	10,775	7.5	0.0	1825	NM	2.5	1,801	NM	0.18	131.1
5/7/18 8:00	11,348	91%	3,293,595	3,288,094	9,311	6.5	0.0	1825	NM	2.2	1,814	NM	0.08	131.5
5/16/18 9:00	11,497	69%	3,349,042	3,343,541	8,931	6.2	0.0	1825	27,800	2.1	1,827	1,030	0.08	132.0
5/23/18 15:30	11,667	99%	3,398,479	3,392,978	6,979	4.8	0.0	1825	NM	1.6	1,838	NM	0.06	132.4
5/30/18 8:55	11,827	99%	3,434,241	3,428,740	5,364	3.7	0.0	1825	NM	1.2	1,847	NM	0.05	132.7
6/6/18 6:30	11,985	95%	29,067	3,457,807	4,415	3.1	0.0	1825	NM	1.7	1,858	NM	0.08	133.3
6/8/18 7:20	12,032	96%	46,829	3,475,569	9,070	6.3	0.0	1825	NM	3.5	1,864	NM	0.17	133.6
6/13/18 7:30	12,055	97%	52,217	3,480,957	5,622	3.9	0.0	1825	45,600	2.1	1,866	2,260	0.11	133.7
6/18/18 9:00	12,177	100%	81,976	3,510,716	5,854	4.1	0.0	1825	NM	2.2	1,878	NM	0.11	134.3
6/25/18 8:45	12,340	97%	111,917	3,540,657	4,408	3.1	0.0	1825	NM	1.7	1,889	NM	0.08	134.8
7/3/18 6:50	12,526	98%	226,867	3,655,607	14,832	10.3	0.0	1825	NM	8.1	1,952	NM	0.72	140.4
7/17/18 9:45	12,853	96%	302,917	3,731,657	5,582	3.9	27.5	1962	65,300	3.0	1,993	5,800	0.27	144.1
7/31/18 11:20	13,183	98%	386,950	3,815,690	6,111	4.2	0.0	2175	NM	3.3	2,039	NM	0.30	148.2
8/6/18 14:00	13,327	98%	456,417	3,885,157	11,578	8.0	0.0	2175	NM	2.2	2,052	NM	0.20	149.4
8/13/18 8:00	13,444	99%	506,417	3,935,157	10,256	7.1	0.0	2175	22,500	1.9	2,061	2,070	0.18	150.2
8/20/18 10:05	13,548	100%	545,407	3,974,147	8,998	6.2	0.0	2175	NM	1.7	2,069	NM	0.16	150.9
8/23/18 11:00	13,618	96%	574,198	4,002,938	9,871	6.9	0.0	2175	NM	1.9	2,074	NM	0.17	151.4

Table 2

**Groundwater Extraction System Operational Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Date (mm/dd/yy)	SV-3102 hrs	Total Uptime*	Water Extraction				Product Extraction		TPPH			Benzene		
			Totalizer Reading (gallons)	Cumulative Flow (gallons)	Average Flow Rate (gpd)	Average Flow Rate (gpm)	Product Tank Level (inches)	Product recovery (gallons)	Influent Conc. (µg/L)	Removal Rate (ppd)	Cumulative Recovery (pounds)	Influent Conc. (µg/L)	Removal Rate (ppd)	Cumulative Recovery (pounds)
8/30/18 13:30	13,783	100%	611,177	4,039,917	5,379	3.7	0.0	2175	NM	1.0	2,081	NM	0.09	152.0
9/5/18 15:00	13,922	99%	653,168	4,081,908	7,250	5.0	0.0	2175	NM	1.1	2,088	NM	0.06	152.4
9/12/18 8:00	13,989	100%	682,666	4,111,406	10,566	7.3	0.0	2175	19,000	1.7	2,092	963	0.08	152.6
9/24/18 8:20	14,249	90%	774,327	4,203,067	8,461	5.9	0.0	2175	NM	1.3	2,107	NM	0.07	153.3
Regulatory Limits:				266,153	<72,000	50	Total recovery (gallons):	2175	Total recovery (pounds):		2,107	Total recovery (pounds):		153.3

Abbreviations and Notes:

(mm/dd/yy) = Month/day/year

conc = Concentration

TPPH = Total Purgeable Petroleum Hydrocarbon analyzed by method NWTPHg-X

Benzene analyzed by EPA method 8260

Average Flow Rate (gpm) = (Cumulative Flow - Previous Cumulative Flow)/[(Date Sampled - Previous Date Sampled)*1440 (minutes/day)]

Removal Rate (pounds/day) = [Influent Concentration (µg/Liter)]*[Average Flow Rate (gallons/minute)]*[3.785 (liters/gallon)]*[1440 (minutes/day)]

Cumulative Recovery (pounds) = [Previous Cumulative Recovery (pounds)] + {[Removal Rate (pounds/day)]}

NA = Not applicable

NM = not measured

NS = Not sampled

L = liter

gpm = gallon per minute

µg/L = micrograms per liter

g = grams

cc = cubic centimeter

lb = pound

*Total Uptime is not 100% accurate due to recording and calculating loses

Density:

Product recovery calculation taken from <http://www.handymath.com/cgi-bin/circlevali25.cgi?submit=Entry>

Soil Vapor Extraction System Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Date (mm/dd/yy)	Influent					Effluent				
	TPHg Conc. (ppmv)	Benzene Conc. (ppmv)	Toluene Conc. (ppmv)	Ethylbenzene Conc. (ppmv)	Xylenes Conc. (ppmv)	TPHg Conc. (ppmv)	Benzene Conc. (ppmv)	Toluene Conc. (ppmv)	Ethylbenzene Conc. (ppmv)	Xylenes Conc. (ppmv)
05/08/15	1,500	26.2 a	49.0	5.4	29.3	1.4	0.014 a	0.042	0.008	0.049
05/28/15	2,890	40.2 a	54.4	5.3	48.0	4.0	<0.019 a	0.045	<0.019	0.163
06/10/15	830	12.2 a	35.7	2.3	19.8	2.3	<0.018 a	0.049	<0.018	0.143
09/03/15	3,000	84.8 a	68.8	8.7	52.8	2.0	0.035 a	0.081	0.032	0.246
09/16/15	1,310	37.5 a	29.3	3.1	18.5	<1.7	<0.020 a	<0.020	<0.020	<0.040
01/27/16	2.3	0.080 a	0.17	0.019	0.16	<1.4	<0.017 a	<0.017	<0.017	<0.034
02/08/16	8.1	<0.10 a	0.49	0.11	1.13	<8.4	0.067 a	0.50	0.13	1.23
07/14/16	1.1	0.025 a	0.040	<0.0084	<0.0254	2.7	<0.0084 a	<0.0084	<0.0084	<0.0254
10/25/16	3,600	56.2 a	215	34.8	174.9	31.8	0.39 a	1.4	0.22	1.09
11/02/16	<213	<4.5 a	9.5	<1.8	13.0	<0.92	<0.019 a	<0.019	<0.0077	0.02
12/06/16	77.5	1.7 a	8.5	1.7	8.9	1.7	0.0011 a	0.0029	<0.00071	0.0016
01/01/17	SYSTEM OFF					SYSTEM OFF				
02/27/17	64.1	33.4 a	28.5	3.3	21.8	<20.3	<0.085 a	<0.170	<0.170	<0.510
03/27/17	30.7	0.56 a	2.2	0.15	1.35	0.89	0.0032	0.0046	<0.00077	0.0038
04/25/17	712	20.3 a	37.9	4.3	27.6	0.72	0.0084	0.015	0.0016	0.0094
05/11/17	34.3	0.44 a	1.6	0.19	1.76	0.89	0.0007	0.020	<0.00056	0.00248
06/08/17	174	<0.0037 a	9.8	0.89	17.3	4.2	0.0059	0.028	0.021	0.127
07/10/17	318	4.9 a	10.1	2.3	17.8	1.5	0.0051	0.013	0.0042	0.036
08/23/17	143	3.3 a	4.1	0.7	5.1	2.4	0.0060	0.015	0.0034	0.0272
09/22/17	452	4.3 a	3.1	1.2	13.4	2.7	0.0047	0.80	0.0033	0.0225
10/16/17	409	3.7 a	5.4	0.93	7.7	<0.19	0.0035	0.0056	0.0017	0.0094
11/20/17	89.3	1.3 a	2.2	0.32	3.56	2	0.0030	0.0098	0.0043	0.1370
12/11/17	183	15.7 a	16.5	1.2	5.6	0.52	0.011	0.0065	0.00053	0.0025
01/01/18	SYSTEM OFF					SYSTEM OFF				
02/16/18	41.5	7 a	16.2	0.51	11.97	2	0.0048	0.038	0.003	0.0121
03/13/18	61.7	2.1 a	3.5	0.54	3.5	0.87	0.0017	0.0016	<0.00039	0.00167
04/17/18	760	13 a	38.9	12.9	71.8	0.6	0.011	0.04	0.0031	0.0139
05/16/18	423	6.5 a	13.2	4.5	32.8	0.53	0.0038	0.0053	0.017	0.086
06/13/18	929	27.3 a	65.8	11.9	79.3	0.83	0.0066	0.0083	0.0011	0.0055
07/17/18	164	2.12 a	3.17	0.971	9.26	0.751	0.003	0.198	0.0011	0.005
08/13/18	<6.64	0.433 a	0.831	0.132	0.958	<0.241	0.0196	0.0545	0.0103	0.0972
09/12/18	1,880	17 a	20.1	5.66	45.4	1.2	0.0128	0.0114	0.0021	0.015
Regulatory Limits (ppmv):	N/A					N/A				

Notes and Abbreviations:

mm/dd/yy = month/day/year

Conc. = concentration

N/A = not applicable

TPHg = total petroleum hydrocarbons quantified as gasoline

µg/L = micrograms per liter

<X.X = not detected at or below the detection limit indicated

ppmv = parts per million by volume

TBD = Sample taken during this time and are awaiting results

TPHg analyzed by Method TO-14M.

Benzene, toluene, ethylbenzene, and total xylenes analyzed by Method TO-14M.

**Soil Vapor Extraction System Operational Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Date (mm/dd/yy)	Oxidizer Hour Meter Reading	Total Uptime	Soil Vapor Extraction								TPHg					Benzene			
			SVE Influent Vacuum (in. Hg)	SVE Influent Vacuum (in. WC)	Knock Out Vacuum (in. Hg)	Influent-2 Differential Pressure (in. WC)	Influent-2 Flow (scfm)	Influent-2 Temperature (°F)	Influent-2 n (Field) (ppmv)	Influent-2 n (ppmv)	Oxidizer Temperature (°F)	Stack Temperature (°F)	Removal rate (ppd)	Cumulative Recovery (pounds)	Emission rate (ppd)	Destruction efficiency (%)	Removal rate (ppd)	Cumulative Recovery (pounds)	Emission rate (ppd)
05/08/15	0.0	NA	NM	NM	NM	NM	NM	NM	NM	1500	NM	NM	NM	NM	NM	NM	NM	NM	NM
05/28/15	NM	NM	8.0	108.8	NM	NM	NM	151	1,360		1,435	NM	NM	NM	NM	NM	NM	NM	NM
06/01/15	123	NM	8.5	115.6	10.0	NM	392	143	780		1,452	863	0	0	0.00	#DIV/0!	0.0	0	0.0000
06/02/15	132	37%	6.5	88.4	8.0	NM	393	147	900		1,409	832	0	0	0.00	#DIV/0!	0.0	0	0.0000
06/03/15	141	36%	7.0	95.2	8.0	NM	792	153	1,200		1,425	882	0	0	0.00	#DIV/0!	0.0	0	0.0000
06/04/15	163	96%	6.0	81.6	8.0	NM	809	155	6,400		1,416	867	0	0	0.00	#DIV/0!	0.0	0	0.0000
06/05/15	163	0%	SVE system not running due to problem with transfer pump from air water separator																
06/08/15	163	0%	SVE system not running due to problem with transfer pump from air water separator																
06/09/15	164	1%	12.0	163.2	14.5	NM	602	159	1,300		1,440	863	0	0	0.00	#DIV/0!	0.0	0	0.0000
06/10/15	169	23%	9.0	122.4	10.0	NM	707	151	1,800		1,458	885	0	0	0.00	#DIV/0!	0.0	0	0.0000
06/11/15	171	10%	7.0	95.2	7.0	NM	793	140	1,428		1,432	878	0	0	0.00	#DIV/0!	0.0	0	0.0000
06/15/15	194	23%	9.0	122.4	10.0	NM	681	166	1,500		1,407	857	0	0	0.00	#DIV/0!	0.0	0	0.0000
06/16/15	203	43%	8.0	108.8	9.0	NM	725	150	2,100		1,436	869	0	0	0.00	#DIV/0!	0.0	0	0.0000
09/02/15	215	NA	4.0	54.4	5.0	0.30	467	NM	NM		1,423	854	0	0	0.00	#DIV/0!	0.0	0	0.0000
09/03/15	216	5%	8.0	108.8	9.0	0.50	603	NM	1,800		1,411	844	0	0	0.00	#DIV/0!	0.0	0	0.0000
09/08/15	223	6%	6.5	88.4	7.5	0.30	475	130	2,000		1,403	822	0	0	0.00	#DIV/0!	0.0	0	0.0000
09/09/15	230	30%	6.0	81.6	7.0	0.30	467	150	1,550		1,439	846	0	0	0.00	#DIV/0!	0.0	0	0.0000
09/10/15	248	103%	SVE system turned off due to leaking carbon vessel.																
09/16/15	250	1%	6.5	88.4	8.0	0.30	477	125	1,200		1,409	825	0	0	0.00	#DIV/0!	0.0	0	0.0000
09/17/15	276	99%	8	109	9.0	0.40	546	135	1,941		1,441	844	0	0	0.00	#DIV/0!	0.0	0	0.0000
09/22/15	290	12%	7.5	102.0	8.5	0.55	635	145	1,700		1,405	832	0	0	0.00	#DIV/0!	0.0	0	0.0000
09/24/15	NM	NM	NM	NM	NM	0.45	575	NM	NM		1,440	852	0	NM	0.00	#DIV/0!	0.0	NM	0.0000
09/25/15	338	68%	5.0	68.0	7.0	0.80	763	150	1,600		1,428	856	0	0	0.00	#DIV/0!	0.0	0	0.0000
09/28/15	410	101%	5.5	74.8	6.5	0.80	766	145	900		1,426	867	0	0	0.00	#DIV/0!	0.0	0	0.0000
01/21/16	NM	NM	SVE system turned off to replace fittings.																
01/26/16	419	7%	NM	NM	NM	NM	NM	NM	NM		1,447	759	NM	NM	NM	NM	NM	NM	NM
01/27/16	426	26%	6.0	81.6	7.5	0.03	147	160	22		1,440	842	0.00	0	0.00	#DIV/0!	0.0000	0	0.0000
01/28/16	447	98%	6.0	81.6	7.5	0.03	147	160	68		1,426	849	0.00	0	0.00	#DIV/0!	0.0000	0	0.0000
02/02/16	572	100%	6.0	81.6	7.5	0.04	169	160	48		1,421	847	0.00	0	0.00	#DIV/0!	0.0000	0	0.0000
02/08/16	717	100%	6.0	81.6	7.5	0.04	169	160	12		1,427	846	0.00	0	0.00	#DIV/0!	0.0000	0	0.0000
02/10/16	767	100%	6.5	88.4	7.5	NM	NM	160	96		1,419	845	0.00	0	0.00	#DIV/0!	0.0000	0	0.0000
02/17/16	858	100%	SVE system turned off.																
02/18/16	859	4%	2.0	27.2	4.0	NM	NM	145	1.2		1,461	873	0.00	0	0.00	#DIV/0!	0.0000	0	0.0000
02/19/16	878	100%	3.0	40.8	5.5	0.30	467	150	1.2		1,435	855	0.00	0	0.00	#DIV/0!	0.0000	0	0.0000
02/24/16	880	2%	SVE system turned off.																
07/14/16			System startup and troubleshooting after air stripper installation																
07/14/16	887	NM	NM	NM	NM	0.1	270	NM	0.7		1,437	887	0.00	0	0.50	NA	0.0000	0	0.0000
08/01/16	890	NM	0.0	0.0	0.0	0.3	471	140	NM		1,448	855	0.00	0	0.73	NA	0.0000	0	0.0000
10/10/16	NM	NM	SVE system turned off.																
10/24/16	907	NA	5.0	68.0	6.0	0.5	603	150	240		1,415	851	0.00	0	0.00	NA	0.0000	0	0.0000
10/25/16	915	33%	5.0	68.0	7.5	0.9	809	150	1,400		1,425	864	0	0	0.0	#DIV/0!	0.0	0	0.0000
10/26/16	936	100%	5.5	74.8	7.0	0.9	813	145	80.2		1,426	871	0	0	0.0	#DIV/0!	0.0	0	0.0000
11/02/16	--	--	--	--	--	--	--	--	--		--	--	0	--	0.0	#DIV/0!	0.0	--	0.0000
11/08/16	1,244	98%	6.0	81.6	6.5	0.3	428	--	205		1,431	852	0	0	0.0	#DIV/0!	0.0	0	0.0000
11/11/16	1,276	53%	8.0	108.8	8.0	0.4	549	130	406		1,447	864	0	0	0.0	#DIV/0!	0.0	0	0.0000
11/17/16	1,345	48%	4.5	61.2	5.0	0.3	473	135	118		1,419	846	0	0	0.0	#DIV/0!	0.0	0	0.0000
11/18/16	1,363	75%	11.0	149.6	11.0	0.3	430	140	557		1,414	839	0	0	0.0	#DIV/0!	0.0	0	0.0000
11/23/16	1,384	18%	4.5	61.2	3.0	0.4	513	130	112		1,466	865	0	0	0.0	#DIV/0!	0.0	0	0.0000
11/28/16	1,509	100%	4.0	54.4	6.0	0.4	544	140	184		1,446	854	0	0	0.0	#DIV/0!	0.0	0	0.0000
12/02/16	1,580	74%	9.0	122.4	7.5	0.3	477	125	312		1,436	NM	0	0	0.0	#DIV/0!	0.0	0	0.0000
12/05/16	1,613	46%	7.0	95.2	7.5	0.4	551	125	357		1,425	842	0	0	0.0	#DIV/0!	0.0	0	0.0000
12/06/16	1,634	88%	8.0	108.8	10.5	0.4	546	135	99		1,438	849	0	0	0.0	#DIV/0!	0.0000	0	0.0000
12/15/16	1,672	18%	9.5	129.2	10.0	0.5	611	135	638		1,460	873	0	0	0.0	#DIV/0!	0.0	0	0.0000
12/19/16	1,750	81%	NM	NM	NM	NM	NM	NM	NM		NM	NM	0	0	0.0	#DIV/0!	0.0	0	0.0000
02/07/17	1,759	1%	0.0	0.0	0.0	0.3	473	NM	44	NM	1,445	848	0	0	0.0	#DIV/0!	0.0	0	0.0000
02/10/17	1,820	85%	3.5	47.6	3.0	0.2	383	145	212	NM	1,420	835	0	0	0.0	#DIV/0!	0.0	0	0.0000

Soil Vapor Extraction System Operational Data
 Phillips 66 Company
 Renton Terminal
 Renton, Washington

Date (mm/dd/yy)	Soil Vapor Extraction											TPHg				Benzene			
	Oxidizer Hour Meter Reading	Total Uptime	SVE Influent Vacuum (in. Hg)	SVE Influent Vacuum (in. WC)	Knock Out Vacuum (in. Hg)	Influent-2 Differential Pressure (in. WC)	Influent-2 Flow (scfm)	Influent-2 Temperature (°F)	Influent-2 n (Field) (ppmv)	Influent-2 n (Lab) (ppmv)	Oxidizer Temperature (°F)	Stack Temperature (°F)	Removal rate (ppd)	Cumulative Recovery (pounds)	Emission rate (ppd)	Destruction efficiency (%)	Removal rate (ppd)	Cumulative Recovery (pounds)	Emission rate (ppd)
02/13/17	1,831	15%	4.0	54.4	5.0	0.2	383	145	140	NM	1,428	NM	0	0	0.0	#DIV/0!	0.0	0	0.000
02/15/17	1,879	100%	5.0	68.0	5.5	0.2	382	150	243	NM	1,418	847	0	0	0.0	#DIV/0!	0.0	0	0.000
02/27/17	1,975	33%	7.5	102.0	8.0	0.2	382	150	181	64.1	1,425	838	0	0	0.0	#DIV/0!	0.0	0	0.000
03/06/17	2,100	74%	6.5	88.4	8.5	0.4	549	130	51	NM	1,449	853	0	0	0.0	#DIV/0!	0.0	0	0.0000
03/07/17	2,126	100%	9.0	122.4	6.0	0.3	473	135	410	NM	1,435	844	0	0	0.0	#DIV/0!	0.0	0	0.0000
03/13/17	2,165	27%	8.5	115.6	9.5	0.3	471	140	101	NM	1,464	866	0	0	0.0	#DIV/0!	0.0	0	0.0000
03/22/17	2,347	84%	11.0	149.6	10.0	0.1	270	150	132	NM	1,448	863	0	0	0.0	#DIV/0!	0.00	0	0.0000
03/27/17	2,459	93%	8.0	108.8	9.0	0.2	382	148	62	30.7	1,417	837	0	0	0.0	#DIV/0!	0.0	0	0.0000
03/31/17	2,558	100%	5.0	68.0	3.5	0.4	546	135	235	NM	1,428	857	0	0	0.0	#DIV/0!	0.0	0	0.0000
04/03/17	2,628	97%	5.0	68.0	3.5	0.4	546	135	41	NM	1,442	864	0	0	0.0	#DIV/0!	0.0	0	0.0000
04/17/17	2,959	99%	5.0	68.0	6.0	0.4	542	145	183	NM	1,452	856	0	0	0.0	#DIV/0!	0.0	0	0.0000
04/20/17	3,033	100%	4.0	54.4	5.0	0.4	542	145	218	NM	1,445	858	0	0	0.0	#DIV/0!	0.0	0	0.0000
04/25/17	3,152	99%	4.0	54.4	4.0	0.4	540	150	330	712	1,432	846	0	0	0.0	#DIV/0!	0.0	0	0.0000
05/02/17	3,264	67%	5.0	68.0	6.0	0.4	541	147	88	NM	1,422	853	0	0	0.0	#DIV/0!	0.0	0	0.0000
05/11/17	3,482	100%	5.5	74.8	6.5	0.3	469	145	33.2	34	1,423	845	0	0	0.0	#DIV/0!	0.0	0	0.0000
05/17/17	3,622	97%	3.0	40.8	5.5	0.4	551	125	227.5	315.6*	1,413	871	0	0	0.0	#DIV/0!	0.0	0	0.0000
05/30/17	3,925	97%	3.0	40.8	3.5	0.35	522	110	231	322.2*	1,433	847	0	0	0.0	#DIV/0!	0.0	0	0.0000
06/05/17	4,053	89%	2.0	27.2	2.0	0.45	587	120	357	NM	1,432	852	0	0	0.0	#DIV/0!	0.00000	0	0.0000
06/09/17	4,145	96%	2.0	27.2	2.5	0.4	555	116	319	174	1,426	845	0	0	0.0	#DIV/0!	0.00000	0	0.0000
06/20/17	4,391	93%	1.0	13.6	1.5	0.55	643	130	180	NM	1,463	869	0	0	0.0	#DIV/0!	0.00000	0	0.0000
06/26/17	4,532	98%	1.0	13.6	1.0	0.5	616	125	139	NM	1,444	863	0	0	0.0	#DIV/0!	0.00000	0	0.0000
07/06/17	4,775	100%	1.0	13.6	1.0	0.5	619	120	276	NM	1,440	860	0	0	0.0	#DIV/0!	0.00000	0	0.0000
07/10/17	4,871	100%	0.5	6.8	1.0	0.5	619	120	345	318	1,420	849	0	0	0.0	#DIV/0!	0.00000	0	0.0000
07/17/17	5,037	99%	2.5	34.0	2.5	0.40	551	125	406	NM	1,415	826	0	0	0.0	#DIV/0!	0.00000	0	0.0000
07/21/17	5,135	100%	2.5	34.0	2.5	0.40	551	125	571	NM	1,432	835	0	0	0.0	#DIV/0!	0.00000	0	0.0000
07/31/17	5,370	98%	1.0	13.6	3.0	0.35	513	130	600	NM	1,410	810	0	0	0.0	#DIV/0!	0.00000	0	0.0000
08/07/17	5,538	100%	1.0	13.6	1.0	0.40	551	125	NM	NM	1,415	822	0	0	0.0	#DIV/0!	0.00000	0	0.0000
08/23/17	5,913	98%	1.0	13.6	1.5	0.55	646	125	283	143	1,433	845	0	0	0.0	#DIV/0!	0.00000	0	0.0000
08/30/17	6,083	100%	2.0	27.2	2.0	0.50	613	130	325.5	NM	1,430	842	0	0	0.0	#DIV/0!	0.00000	0	0.0000
09/07/17	6,221	96%	2.0	27.2	2.0	0.40	551	125	359	NM	1,411	820	0	0	0.0	#DIV/0!	0.00000	0	0.0000
09/20/17	6,368	92%	NM	NM	2.0	0.50	616	125	333	452	1,418	834	0	0	0.0	#DIV/0!	0.00000	0	0.0000
09/29/17	6,543	84%	NM	NM	2.0	0.50	613	130	227	NM	1,448	843	0	0	0.0	#DIV/0!	0.00000	0	0.0000
10/02/17	6,618	100%	NM	NM	2.0	0.55	646	125	278.1	NM	1,429	843	0	0	0.00	#DIV/0!	0.00000	0	0.0000
10/10/17	6,766	83%	2.0	27.2	2.0	0.50	613	130	NM	NM	1,440	847	0	0	0.00	#DIV/0!	0.00000	0	0.0000
10/16/17	6,907	98%	NM	NM	2.0	0.55	646	125	239	409	1,427	840	0	0	0.00	#DIV/0!	0.00000	0	0.0000
10/20/17	6,995	92%	2.7	36.7	2.5	0.50	616	125	420	NM	1,428	834	0	0	0.00	#DIV/0!	0.00000	0	0.0000
11/01/17	7,242	100%	2.0	27.2	1.5	0.50	613	130	342	NM	1,452	861	0	0	0.00	#DIV/0!	0.00000	0	0.0000
11/07/17	7,377	94%	1.5	20.4	1.5	0.50	613	130	199	NM	1,427	844	0	0	0.00	#DIV/0!	0.00000	0	0.0000
11/20/17	7,659	93%	2.0	27.2	2.0	0.45	579	135	67.8	89	1,435	851	0	0	0.00	#DIV/0!	0.00000	0	0.0000
11/29/17	7,823	100%	NM	NM	2.0	0.50	613	130	125	NM	1,440	884	0	0	0.00	#DIV/0!	0.00000	0	0.0000
12/04/17	7,940	98%	2.0	27.2	NM	0.45	579	135	84	NM	1,435	845	0	0	0.00	#DIV/0!	0.00000	0	0.0000
12/07/17	8,014	100%	2.02	27.5	2.0	0.40	544	140	78	NM	1,431	845	0	0	0.00	#DIV/0!	0.00000	0	0.0000
12/11/17	8,115	100%	2.0	27.2	2.0	0.45	579	135	188	183	1,420	836	0	0	0.00	#DIV/0!	0.00000	0	0.0000
12/13/17	8,158	100%	2.0	27.2	NM	0.45	582	130	146	NM	1,426	844	0	0	0.00	#DIV/0!	0.00000	0	0.0000
12/18/17	8,253	100%	2.0	27.2	2.0	0.45	579	135	88	NM	1,429	850	0	0	0.00	#DIV/0!	0.00000	0	0.0000
12/20/18	SYSTEM DOWN FOR WINTERIZATION																		
02/09/18	8,374	100%	2.0	27.2	2.0	0.45	577	140	123	NM	1,433	848	0	0	0.00	#DIV/0!	0.00000	0	0.0000
02/16/18	8,389	21%	2.0	27.2	2.0	0.50	611	135	113	42	1,456	857	0	0	0.00	#DIV/0!	0.00000	0	0.0000
03/01/18	8,607	99%	2.0	27.2	2.0	0.50	613	130	60.9	NM	1,428	850	0	0	0.00	#DIV/0!	0.00000	0	0.0000
03/05/18	8,699	100%	2.0	27.2	2.0	0.35	511	135	49.4	NM	1,424	844	0	0	0.00	#DIV/0!	0.00000	0	0.0000
03/15/18	8,906	90%	2.5	34.0	2.5	0.35	511	135	94.3	61.7	1,416	830	0	0	0.00	#DIV/0!	0.00000	0	0.0000
03/19/18	8,996	100%	3.0	40.8	3.0	0.35	511	135	403	476.1*	1,425	837	0	0	0.00	#DIV/0!	0.00000	0	0.0000
04/02/18	9,318	98%	2.0	27.2	2.0	0.30	497	80	195	205.8*	1,422	833	0	0	0.00	#DIV/0!	0.00000	0	0.0000
04/06/18	9,343	100%	3.5	47.6	3.5	0.30	471	140	615	NM	1,410	827	0	0	0.00	#DIV/0!	0.00000	0	0.0000

Soil Vapor Extraction System Operational Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Date (mm/dd/yy)	Oxidizer Hour Meter Reading	Total Uptime	Soil Vapor Extraction								Oxidizer Temperature (°F)	Stack Temperature (°F)	TPHg			Benzene			
			SVE Influent Vacuum (in. Hg)	SVE Influent Vacuum (in. WC)	Knock Out Vacuum (in. Hg)	Influent-2 Differential Pressure (in. WC)	Influent-2 Flow (scfm)	Influent-2 Temperature (°F)	Influent-2 n (Field) (ppmv)	Influent-2 n (ALS) (ppmv)			Removal rate (ppd)	Cumulative Recovery (pounds)	Emission rate (ppd)	Destruction efficiency (%)	Removal rate (ppd)	Cumulative Recovery (pounds)	Emission rate (ppd)
04/12/18	9,435	64%	4.0	54.4	4.0	0.30	471	140	747	NM	1,410	832	0	0	0.00	#DIV/0!	0.00000	0	0.0000
04/17/18	9,549	95%	3.5	47.6	4.0	0.30	471	140	1,072	760	1,414	842	0	0	0.00	#DIV/0!	0.00000	0	0.0000
04/23/18	9,675	88%	3.5	47.6	3.5	0.50	611	135	402	NM	1,432	865	0	0	0.00	#DIV/0!	0.00000	0	0.0000
04/30/18	9,841	99%	4.0	54.4	4.0	0.30	473	135	442	NM	1,411	836	0	0	0.00	#DIV/0!	0.00000	0	0.0000
05/07/18	10,009	100%	3.0	40.8	3.0	0.35	509	140	207	NM	1,422	843	0	0	0.00	#DIV/0!	0.00000	0	0.0000
05/16/18	10,185	81%	2.0	27.2	2.0	0.50	611	135	280	423	1,450	862	0	0	0.00	#DIV/0!	0.00000	0	0.0000
05/23/18	10,359	100%	2.0	27.2	2.0	0.50	611	135	214	NM	1,448	868	0	0	0.00	#DIV/0!	0.00000	0	0.0000
05/30/18	10,524	98%	4.0	54.4	4.0	0.40	546	135	203	NM	1,425	844	0	0	0.00	#DIV/0!	0.00000	0	0.0000
06/06/18	10,685	96%	3.0	40.8	3.0	0.30	473	135	135	NM	1,406	839	0	0	0.00	#DIV/0!	0.00000	0	0.0000
06/08/18	10,734	100%	7.0	95.2	7.0	0.35	509	140	145	NM	1,409	842	0	0	0.00	#DIV/0!	0.00000	0	0.0000
06/13/18	10,758	100%	7.0	95.2	7.0	0.30	471	140	151	929	1,421	848	0	0	0.00	#DIV/0!	0.00000	0	0.0000
06/18/18	10,881	100%	7.0	95.2	7.0	0.25	428	145	315	NM	1,411	842	0	0	0.00	#DIV/0!	0.00000	0	0.0000
06/25/18	11,052	100%	6.0	81.6	6.0	0.35	509	140	112	NM	1,421	848	0	0	0.00	#DIV/0!	0.00000	0	0.0000
07/03/18	11,242	100%	6.0	81.6	6.0	0.35	507	145	191	NM	1,122	846	0	0	0.00	#DIV/0!	0.00000	0	0.0000
07/17/18	11,577	100%	3.0	40.8	3.0	0.45	577	140	103	164	1,431	856	0	0	0.00	#DIV/0!	0.00000	0	0.0000
07/31/18	11,913	100%	5.0	68.0	5.0	0.40	540	150	810	NM	1,415	835	0	0	0.00	#DIV/0!	0.00000	0	0.0000
08/06/18	12,063	100%	4.5	61.2	4.5	0.45	575	145	198	NM	1,430	845	0	0	0.00	#DIV/0!	0.00000	0	0.0000
08/13/18	12,225	96%	5.0	68.0	5.0	0.35	509	140	260	<6.64	1,443	860	0	0	0.00	#DIV/0!	0.00000	0	0.0000
08/20/18	12,398	100%	4.5	61.2	4.5	0.35	507	145	425	NM	1,434	857	0	0	0.00	#DIV/0!	0.00000	0	0.0000
08/23/18	12,472	100%	4.5	61.2	4.5	0.40	540	150	398	NM	1,431	866	0	0	0.00	#DIV/0!	0.00000	0	0.0000
08/30/18	12,641	100%	5.0	68.0	5.0	0.45	575	145	295	NM	1,443	856	0	0	0.00	#DIV/0!	0.00000	0	0.0000
09/05/18	12,782	98%	6.0	81.6	6.0	0.40	540	150	455	NM	1,413	838	0	0	0.00	#DIV/0!	0.00000	0	0.0000
09/12/18	12,946	98%	6.0	81.6	6.0	0.30	467	150	405	1880	1,413	832	0	0	0.00	#DIV/0!	0.00000	0	0.0000
09/24/18	13,214	93%	5.0	68.0	5.0	0.30	469	145	139	NM	1,479	893	0	0	0.00	#DIV/0!	0.00000	0	0.0000
Regulatory Limits (ppmv):							<1,500				>1,400					>97% when inlet concentration s exceed 200 ppmv			<0.085

Abbreviations and Notes:

(mm/dd/yy) = Month/day/year

ALS = Air liquid separator

SVE = Soil vapor extraction

conc = Concentration

TPPH = Total Purgeable Petroleum Hydrocarbon analyzed by method NWTPHg-X

°F = Degrees Fahrenheit

NA = Not applicable

NM = not measured

NS = Not sampled

L = liter

gpm = gallon per minute

µg/L = microgran = liter

g = grams

cc = cubic centimeter

lb = pound

* = not actual analytical data. These value was estimated by taking 70% of the extrapolated value using historical PID vs. analytical data. This was done to estimate removal rate after air sweep was implemented.

Density: = 0.73 g/cc TPHg

= 0.88 g/cc Benzene

Italics = referenced laboratory concentration is non-detect. 50% of reporting limit value used in the equation

Table 5

**Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
R-1	1/27/1993	16.94	--	--	0.05	5.22	11.76	--
R-1	3/12/1993	16.94	--	--	0.10	11.80	5.22	--
R-1	6/30/1993	16.94	--	--	0.01	6.88	10.07	--
R-1	12/23/1994	16.94	--	--	--	3.43	13.51	--
R-1	2/3/1995	16.94	--	--	0.10	4.10	12.92	--
R-1	2/22/1995	16.94	--	--	0.13	5.28	11.76	--
R-1	3/24/1995	16.94	--	--	0.40	5.55	11.69	--
R-1	4/27/1995	16.94	--	--	0.32	5.62	11.56	--
R-1	5/15/1995	16.94	--	--	0.47	4.91	12.38	--
R-1	6/16/1995	16.94	--	--	0.44	5.29	11.98	--
R-1	8/25/1995	16.94	--	--	0.20	5.85	11.24	--
R-1	9/26/1995	16.94	--	--	0.19	7.67	9.41	--
R-1	10/20/1995	16.94	--	--	0.02	6.17	10.79	--
R-1	4/4/1996	16.94	--	--	0.15	3.82	13.23	--
R-1	4/16/1996	16.94	--	--	0.14	3.14	13.91	--
R-1	5/10/1996	16.94	--	--	0.11	2.72	14.30	--
R-1	5/15/1996	16.94	--	--	0.06	2.67	14.32	--
R-1	5/22/1996	16.94	--	--	--	7.83	9.11	--
R-1	6/5/1996	16.94	--	--	--	8.62	8.32	--
R-1	6/24/1996	16.94	--	--	--	8.50	8.44	--
R-1	7/15/1996	16.94	--	--	--	8.63	8.31	--
R-1	8/23/1996	16.94	--	--	--	8.53	8.41	--
R-1	9/18/1996	16.94	--	--	--	8.34	8.60	--
R-1	1/3/1997	16.94	--	--	--	3.11	13.83	--
R-1	3/12/1997	16.94	--	--	--	8.91	8.03	--
R-1	4/2/1997	16.94	--	--	0.05	11.04	5.94	--
R-1	7/8/1997	16.94	--	--	--	5.71	11.23	--
R-1	8/26/1997	16.94	--	--	--	11.02	5.92	--
R-1	9/17/1997	16.94	--	--	--	10.84	6.10	--
R-1	4/30/1998	16.94	--	--	0.02	4.60	12.36	--
R-1	5/24/2001	16.94	--	--	--	10.75	6.19	--
R-1	11/24/2002	19.83	--	--	--	5.90	13.93	13.93
R-1	6/29/2007	19.83	--	--	--	5.66	14.17	14.17
R-1	10/22/2007	19.83	--	--	Not Monitored			NM
R-1	11/28/2007	19.83	--	--	Not Monitored			NM
R-1	12/13/2007	19.83	--	--	--	9.10	10.73	10.73
R-1	1/21/2008	19.83	--	--	--	6.98	12.85	12.85
R-1	2/24/2008	19.83	--	--	Not Monitored			--
R-1	3/24/2008	19.83	--	--	--	5.35	14.48	14.48
R-1	8/25/2008	19.83	--	--	Not Monitored			--
R-1	2/18/2009	19.83	--	--	Not Monitored			NM
R-1	8/25/2009	19.83	--	--	Not Monitored			NM
R-1	3/22/2010	16.94	--	--	--	4.75	12.19	12.19
R-1	8/23/2010	16.94	5.35	11.59	0.02	5.37	11.59	11.60
R-1	2/7/2011	16.94	--	--	--	4.56	12.38	--
R-2	1/27/1993	17.52	--	--	--	6.15	11.37	--
R-2	3/12/1993	17.52	--	--	--	7.20	10.32	--
R-2	2/22/1995	17.52	--	--	--	7.66	9.86	--
R-2	5/15/1995	17.52	--	--	--	7.87	9.65	--
R-2	6/16/1995	17.52	--	--	0.01	7.51	10.02	--
R-2	9/26/1995	17.52	--	--	0.01	7.81	9.72	--
R-2	10/20/1995	17.52	--	--	0.06	7.63	9.94	--
R-2	4/4/1996	17.52	--	--	--	5.55	11.97	--
R-2	4/16/1996	17.52	--	--	--	5.29	12.23	--
R-2	5/10/1996	17.52	--	--	--	5.21	12.31	--
R-2	5/15/1996	17.52	--	--	--	5.10	12.42	--
R-2	5/22/1996	17.52	--	--	0.02	7.59	9.95	--
R-2	6/5/1996	17.52	--	--	0.18	7.80	9.86	--
R-2	6/24/1996	17.52	--	--	0.03	7.72	9.82	--
R-2	7/15/1996	17.52	--	--	0.04	7.60	9.95	--
R-2	8/23/1996	17.52	--	--	0.02	7.77	9.77	--
R-2	9/18/1996	17.52	--	--	0.04	7.87	9.68	--
R-2	1/3/1997	17.52	--	--	--	4.25	13.27	--
R-2	3/12/1997	17.52	--	--	0.02	8.02	9.52	--
R-2	4/2/1997	17.52	--	--	0.11	7.72	9.88	--
R-2	7/8/1997	17.52	--	--	--	6.47	11.05	--
R-2	8/19/1997	17.52	--	--	0.02	7.76	9.78	--
R-2	9/17/1997	17.52	--	--	--	7.67	9.85	--
R-2	4/30/1998	17.52	--	--	0.03	6.43	11.11	--
R-2	5/24/2001	17.52	--	--	0.35	8.25	9.53	--
R-2	11/24/2002	20.28	--	--	--	6.69	13.59	13.59
R-2	6/29/2007	20.28	--	--	--	6.72	13.56	13.56
R-2	10/22/2007	20.28	--	--	Not Monitored			NM
R-2	11/28/2007	20.28	--	--	Not Monitored			NM
R-2	12/13/2007	20.28	--	--	--	7.76	12.52	12.52
R-2	1/21/2008	20.28	--	--	--	5.83	14.45	14.45
R-2	2/24/2008	20.28	--	--	Not Monitored			--
R-2	3/24/2008	20.28	--	--	--	6.19	14.09	14.09
R-2	8/25/2008	20.28	--	--	Not Monitored			--
R-2	2/18/2009	20.28	--	--	Not Monitored			NM
R-2	8/25/2009	20.28	--	--	Not Monitored			NM
R-2	3/22/2010	17.52	--	--	--	5.68	11.84	11.84
R-2	8/23/2010	17.52	--	--	--	6.85	10.67	10.67
R-2	2/7/2011	17.52	--	--	--	7.87	9.65	--
W-1	1/27/1993	18.86	--	--	0.19	5.71	13.29	--
W-1	3/12/1993	18.86	--	--	0.06	8.24	10.67	--
W-1	4/14/1993	18.86	--	--	--	8.22	10.64	--
W-1	6/30/1993	18.86	--	--	0.08	8.25	10.67	--
W-1	12/15/1993	18.86	--	--	--	8.60	10.26	--
W-1	2/8/1994	18.86	--	--	0.13	6.51	12.45	--

Table 5

**Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
W-1	7/8/1994	18.86	--	--	--	8.64	10.22	--
W-1	8/12/1994	18.86	--	--	--	8.63	10.23	--
W-1	12/23/1994	18.86	--	--	--	5.48	13.38	--
W-1	2/3/1995	18.86	--	--	--	5.24	13.62	--
W-1	2/22/1995	18.86	--	--	0.03	7.13	11.75	--
W-1	3/24/1995	18.86	--	--	0.14	7.04	11.93	--
W-1	4/27/1995	18.86	--	--	--	6.75	12.11	--
W-1	5/15/1995	18.86	--	--	0.39	6.88	12.27	--
W-1	6/16/1995	18.86	--	--	0.45	7.34	11.86	--
W-1	8/25/1995	18.86	--	--	0.18	7.89	11.11	--
W-1	10/20/1995	18.86	--	--	0.12	8.60	10.35	--
W-1	4/4/1996	18.86	--	--	0.07	5.81	13.10	--
W-1	4/16/1996	18.86	--	--	0.12	5.07	13.88	--
W-1	5/10/1996	18.86	--	--	0.09	4.75	14.18	--
W-1	5/15/1996	18.86	--	--	0.11	4.74	14.20	--
W-1	5/22/1996	18.86	--	--	0.07	8.08	10.83	--
W-1	6/5/1996	18.86	--	--	0.02	8.12	10.76	--
W-1	6/24/1996	18.86	--	--	0.01	8.28	10.59	--
W-1	7/15/1996	18.86	--	--	0.08	8.52	10.40	--
W-1	8/23/1996	18.86	--	--	--	8.63	10.23	--
W-1	9/18/1996	18.86	--	--	--	8.63	10.23	--
W-1	1/3/1997	18.86	--	--	--	4.97	13.89	--
W-1	3/12/1997	18.86	--	--	--	8.08	10.78	--
W-1	4/2/1997	18.86	--	--	0.03	8.14	10.74	--
W-1	5/1/1997	18.86	--	--	--	8.18	10.68	--
W-1	8/19/1997	18.86	--	--	--	8.57	10.29	--
W-1	9/17/1997	18.86	--	--	--	8.20	10.66	--
W-1	4/30/1998	18.86	--	--	0.08	6.70	12.22	--
W-1	7/28/1999	18.86	--	--	0.12	7.18	11.77	--
W-1	5/23/2000	18.86	--	--	--	6.91	11.95	--
W-1	5/24/2001	18.86	--	--	0.01	8.45	10.42	--
W-1	6/5/2002	18.86	--	--	--	6.42	12.44	--
W-1	5/29/2003	18.86	--	--	sheen	7.91	10.95	--
W-1	6/16/2004	18.86	--	--	0.02	7.65	11.23	--
W-1	6/20/2005	18.86	--	--	--	6.31	12.55	--
W-1	6/5/2006	18.86	--	--	--	5.99	12.87	--
W-1	10/23/2006	18.86	--	--	--	8.22	10.64	--
W-1	3/14/2007	21.89	--	--	--	5.41	16.48	--
W-1	9/10/2007	21.89	--	--	--	8.63	13.26	--
W-1	11/28/2007	21.89	--	--	--	8.62	13.27	13.27
W-1	12/13/2007	21.89	--	--	--	6.92	14.97	14.97
W-1	1/21/2008	21.89	--	--	--	8.00	13.89	13.89
W-1	2/24/2008	21.89	--	--	--	6.65	15.24	15.24
W-1	3/24/2008	21.89	--	--	--	7.37	14.52	14.52
W-1	6/2/2008	21.89	--	--	--	8.49	13.40	--
W-1	8/25/2008	21.89	--	--	--	8.61	13.28	13.28
W-1	2/18/2009	21.89	--	--	Not Monitored	--	--	NM
W-1	8/25/2009	21.89	--	--	Not Monitored	--	--	NM
W-1	3/22/2010	21.89	--	--	--	5.35	16.54	16.54
W-1	8/23/2010	21.89	--	--	--	7.40	14.49	14.49
W-1	2/7/2011	21.89	--	--	--	6.60	15.29	--
W-1	5/27/2011	21.89	--	--	--	8.42	13.47	--
W-1	8/16/2011	21.89	--	--	--	8.50	13.39	--
W-1	11/14/2011	21.89	--	--	--	8.61	13.28	--
W-1	2/20/2012	21.89	--	--	--	8.07	13.82	--
W-1	8/22/2012	21.89	--	--	--	7.79	14.10	--
W-1	11/5/2012	21.89	--	--	--	8.61	13.28	--
W-1	1/28/2013	21.89	--	--	--	5.29	16.60	--
W-1	5/9/2013	21.89	--	--	--	8.07	13.82	--
W-1	8/19/2013	21.89	--	--	DRY	--	--	--
W-1	11/25/2013	21.89	--	--	--	8.18	13.71	--
W-1	2/14/2014	21.89	--	--	--	8.06	13.83	--
W-1	5/5/2014	21.89	--	--	--	7.96	13.93	--
W-1	8/19/2014	21.89	--	--	DRY	--	--	--
W-1	11/21/2014	21.89	--	--	--	6.96	14.93	--
W-1	12/11/2017	21.89	--	--	--	4.96	16.93	--
W-1	2/26/2018	21.89	--	--	--	--	--	--
W-1	6/11/2018	21.89	--	--	--	--	--	--
W-2	1/27/1993	18.28	--	--	0.16	5.11	13.29	--
W-2	3/12/1993	18.28	--	--	0.02	7.94	10.36	--
W-2	4/14/1993	18.28	--	--	0.02	7.96	10.34	--
W-2	6/30/1993	18.28	--	--	0.09	7.65	10.70	--
W-2	12/15/1993	18.28	--	--	--	8.04	10.24	--
W-2	2/8/1994	18.28	--	--	0.13	5.93	12.45	--
W-2	7/8/1994	18.28	--	--	--	8.69	9.59	--
W-2	8/12/1994	18.28	--	--	--	8.98	9.30	--
W-2	9/21/1994	18.28	--	--	0.18	9.38	9.04	--
W-2	11/4/1994	18.28	--	--	0.37	9.51	9.05	--
W-2	12/23/1994	18.28	--	--	--	4.92	13.36	--
W-2	2/3/1995	18.28	--	--	--	5.16	13.12	--
W-2	2/22/1995	18.28	--	--	0.06	6.57	11.76	--
W-2	3/24/1995	18.28	--	--	0.14	6.48	11.91	--
W-2	4/27/1995	18.28	--	--	--	5.65	12.63	--
W-2	5/15/1995	18.28	--	--	0.57	6.48	12.23	--
W-2	6/16/1995	18.28	--	--	0.60	6.93	11.80	--
W-2	8/25/1995	18.28	--	--	0.22	7.36	11.09	--
W-2	10/20/1995	18.28	--	--	--	7.67	10.61	--
W-2	4/4/1996	18.28	--	--	0.02	5.19	13.11	--
W-2	4/16/1996	18.28	--	--	--	4.40	13.88	--
W-2	5/10/1996	18.28	--	--	--	4.10	14.18	--
W-2	5/15/1996	18.28	--	--	--	4.08	14.20	--

Table 5

**Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
W-2	5/22/1996	18.28	--	--	--	7.59	10.69	--
W-2	6/5/1996	18.28	--	--	--	7.69	10.59	--
W-2	6/24/1996	18.28	--	--	--	8.08	10.20	--
W-2	7/15/1996	18.28	--	--	--	8.45	9.83	--
W-2	8/23/1996	18.28	--	--	--	8.80	9.48	--
W-2	9/18/1996	18.28	--	--	--	8.98	9.30	--
W-2	1/3/1997	18.28	--	--	--	4.48	13.80	--
W-2	3/12/1997	18.28	--	--	--	7.57	10.71	--
W-2	4/2/1997	18.28	--	--	--	7.60	10.68	--
W-2	5/1/1997	18.28	--	--	--	7.72	10.56	--
W-2	8/19/1997	18.28	--	--	--	8.10	10.18	--
W-2	9/18/1997	18.28	--	--	0.07	7.40	10.93	--
W-2	4/30/1998	18.28	--	--	0.07	6.11	12.22	--
W-2	7/29/1999	18.28	--	--	--	6.50	11.78	--
W-2	5/23/2000	18.28	--	--	--	6.33	11.95	--
W-2	5/24/2001	18.28	--	--	--	8.10	10.18	--
W-2	6/5/2002	18.28	--	--	0.02	5.87	12.43	--
W-2	5/28/2003	18.28	--	--	sheen	7.32	10.96	--
W-2	6/15/2004	18.28	--	--	--	8.55	9.73	--
W-2	6/22/2005	18.28	--	--	--	5.71	12.57	--
W-2	6/5/2006	18.28	--	--	--	5.38	12.90	--
W-2	10/23/2006	18.28	--	--	--	7.63	10.65	--
W-2	3/14/2007	21.30	--	--	--	4.82	16.48	--
W-2	9/10/2007	21.30	--	--	--	8.97	12.33	--
W-2	11/28/2007	21.30	--	--	--	8.15	13.15	13.15
W-2	12/13/2007	21.30	--	--	--	7.65	13.65	13.65
W-2	1/21/2008	21.30	--	--	--	7.58	13.72	13.72
W-2	2/24/2008	21.30	--	--	--	6.04	15.26	15.26
W-2	3/24/2008	21.30	--	--	--	6.78	14.52	14.52
W-2	6/2/2008	21.30	--	--	--	8.25	13.05	--
W-2	8/25/2008	21.30	--	--	--	8.51	12.79	12.79
W-2	2/18/2009	21.30	--	--	Not Monitored			NM
W-2	8/25/2009	21.30	--	--	Not Monitored			NM
W-2	3/22/2010	21.30	--	--	--	4.78	16.52	16.52
W-2	8/23/2010	21.30	--	--	--	6.79	14.51	14.51
W-2	2/7/2011	21.30	--	--	--	5.99	15.31	--
W-2	5/27/2011	21.30	--	--	--	7.61	13.69	--
W-2	8/8/2011	21.30	--	--	--	8.38	12.92	--
W-2	11/14/2011	21.30	--	--	--	8.46	12.84	--
W-2	2/20/2012	21.30	--	--	--	7.60	13.70	--
W-2	8/22/2012	21.30	--	--	--	7.20	14.10	--
W-2	11/5/2012	21.30	--	--	--	8.39	12.91	--
W-2	5/9/2013	21.30	--	--	--	7.56	13.74	--
W-2	8/19/2013	21.30	--	--	--	8.71	12.59	--
W-2	11/25/2013	21.30	--	--	--	7.72	13.58	--
W-2	2/14/2014	21.30	--	--	--	7.60	13.70	--
W-2	5/5/2014	21.30	--	--	--	7.58	13.72	--
W-2	8/19/2014	21.30	--	--	--	8.91	12.39	--
W-2	11/21/2014	21.30	--	--	--	6.37	14.93	--
W-3	1/27/1993	17.10	--	--	--	5.42	11.68	--
W-3	3/12/1993	17.10	--	--	--	6.11	10.99	--
W-3	4/14/1993	17.10	--	--	--	5.88	11.22	--
W-3	12/15/1993	17.10	--	--	--	5.59	11.51	--
W-3	11/4/1994	17.10	--	--	--	7.72	9.38	--
W-3	2/22/1995	17.10	--	--	--	5.82	11.28	--
W-3	6/16/1995	17.10	--	--	--	6.37	10.73	--
W-3	10/20/1995	17.10	--	--	--	6.17	10.93	--
W-3	4/4/1996	17.10	--	--	--	5.19	11.91	--
W-3	4/16/1996	17.10	--	--	--	4.86	12.24	--
W-3	5/10/1996	17.10	--	--	--	4.83	12.27	--
W-3	5/15/1996	17.10	--	--	--	4.71	12.39	--
W-3	5/22/1996	17.10	--	--	--	5.78	11.32	--
W-3	6/5/1996	17.10	--	--	--	6.07	11.03	--
W-3	6/24/1996	17.10	--	--	--	6.30	10.80	--
W-3	7/15/1996	17.10	--	--	--	6.65	10.45	--
W-3	9/18/1996	17.10	--	--	--	6.37	10.73	--
W-3	1/3/1997	17.10	--	--	--	3.72	13.38	--
W-3	4/2/1997	17.10	--	--	0.04	5.83	11.30	--
W-3	5/1/1997	17.10	--	--	--	5.80	11.30	--
W-3	4/29/1998	17.10	--	--	--	5.81	11.29	--
W-3	7/30/1999	17.10	--	--	--	6.11	10.99	--
W-3	5/23/2000	17.10	--	--	--	5.55	11.55	--
W-3	5/22/2001	17.10	--	--	--	6.10	11.00	--
W-3	6/4/2002	17.10	--	--	--	5.78	11.32	--
W-3	5/28/2003	17.10	--	--	--	6.26	10.84	--
W-3	6/16/2004	17.10	--	--	0.02	6.23	10.89	--
W-3	6/21/2005	17.10	--	--	--	5.75	11.35	--
W-3	6/5/2006	17.10	--	--	--	5.43	11.67	--
W-3	10/23/2006	17.10	--	--	--	6.22	10.88	--
W-3	3/14/2007	19.95	--	--	--	4.74	15.21	--
W-3	9/10/2007	19.95	--	--	--	6.55	13.40	--
W-3	11/28/2007	19.95	--	--	--	8.84	11.11	11.11
W-3	12/13/2007	19.95	--	--	--	5.79	14.16	14.16
W-3	1/21/2008	19.95	--	--	--	5.44	14.51	14.51
W-3	2/24/2008	19.95	--	--	--	5.77	14.18	14.18
W-3	3/24/2008	19.95	--	--	--	5.75	14.20	14.20
W-3	6/2/2008	19.95	--	--	--	6.20	13.75	--
W-3	8/25/2008	19.95	--	--	--	5.79	14.16	14.16
W-3	2/18/2009	19.95	--	--	Not Monitored			NM
W-3	8/25/2009	19.95	--	--	Not Monitored			NM
W-3	3/22/2010	19.95	--	--	--	4.61	15.34	15.34

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
W-3	8/23/2010	19.95	--	--	--	5.84	14.11	14.11
W-3	2/7/2011	19.95	--	--	--	4.69	15.26	
W-3	5/27/2011	19.95			Not Monitored			
W-3	8/8/2011	19.95			Dry			
W-3	11/14/2011	19.95			Dry			
W-3	2/20/2012	19.95			Dry			
W-3	8/22/2012	19.95			Dry			
W-3	11/5/2012	19.95	--	--	--	4.98	14.97	
W-3	1/28/2013	19.95	--	--	--	4.01	15.94	
W-3	5/9/2013	19.95	DRY					
W-3	8/19/2013	19.95	DRY					
W-3	5/5/2014	19.95	--	--	--	3.61	16.34	
W-3	8/19/2014	19.95			DRY			
W-3	11/21/2014	19.95	--	--	--	4.59	15.36	
W-4	1/27/1993	18.03	--	--	--	4.43	13.60	
W-4	3/12/1993	18.03	--	--	--	7.43	10.60	--
W-4	4/14/1993	18.03	--	--	--	7.32	10.71	--
W-4	12/15/1993	18.03	--	--	--	6.59	11.44	--
W-4	11/4/1994	18.03	--	--	--	8.20	9.83	--
W-4	2/22/1995	18.03	--	--	--	7.17	10.86	--
W-4	6/16/1995	18.03	--	--	--	7.55	10.48	--
W-4	10/20/1995	18.03	--	--	--	7.67	10.36	--
W-4	4/4/1996	18.03	--	--	--	6.12	11.91	--
W-4	4/16/1996	18.03	--	--	--	5.74	12.29	--
W-4	5/10/1996	18.03	--	--	--	5.99	12.04	--
W-4	5/15/1996	18.03	--	--	--	5.67	12.36	--
W-4	5/22/1996	18.03	--	--	--	7.20	10.83	--
W-4	6/5/1996	18.03	--	--	--	7.41	10.62	--
W-4	6/24/1996	18.03	--	--	--	7.49	10.54	--
W-4	7/15/1996	18.03	--	--	--	7.73	10.30	--
W-4	1/3/1997	18.03	--	--	--	4.80	13.23	--
W-4	4/2/1997	18.03	--	--	--	7.37	10.66	--
W-4	5/1/1997	18.03	--	--	--	7.34	10.69	--
W-4	4/29/1998	18.03	--	--	--	6.84	11.19	--
W-4	7/30/1999	18.03	--	--	--	7.30	10.73	--
W-4	5/23/2001	18.03	--	--	0.03	7.71	10.34	--
W-4	6/4/2002	18.03	--	--	--	6.84	11.19	--
W-4	5/28/2003	18.03	--	--	sheen	7.68	10.35	--
W-4	6/15/2004	18.03	--	--	0.02	7.65	10.40	--
W-4	6/21/2005	18.03	--	--	--	6.78	11.25	--
W-4	6/5/2006	18.03	--	--	--	6.23	11.80	--
W-4	10/23/2006	18.03	--	--	--	7.67	10.36	--
W-4	3/14/2007	20.91	--	--	--	5.70	15.21	--
W-4	9/10/2007	20.91	--	--	--	8.20	12.71	--
W-4	11/28/2007	20.91	--	--	--	7.68	13.23	13.23
W-4	12/13/2007	20.91	--	--	--	7.40	13.51	13.51
W-4	1/21/2008	20.91	--	--	--	6.30	14.61	14.61
W-4	2/24/2008	20.91	--	--	--	6.81	14.10	14.10
W-4	3/24/2008	20.91	--	--	--	6.78	14.13	14.13
W-4	6/2/2008	20.91	--	--	--	7.69	13.22	--
W-4	8/25/2008	20.91	--	--	--	8.00	12.91	12.91
W-4	2/18/2009	20.91			Not Monitored			NM
W-4	8/25/2009	20.91			Not Monitored			NM
W-4	3/22/2010	20.91	--	--	--	5.89	15.02	15.02
W-4	8/23/2010	20.91	--	--	--	7.11	13.80	13.80
W-4	2/7/2011	20.91	--	--	--	6.01	14.90	
W-4	5/27/2011	20.91			Not Monitored			
W-4	8/8/2011	20.91	--	--	--	7.81	13.1	--
W-4	11/14/2011	20.91	--	--	--	7.89	13.02	--
W-4	2/20/2012	20.91	--	--	--	7.90	13.01	--
W-4	8/22/2012	20.91	--	--	--	7.55	13.36	--
W-4	5/9/2013	20.91	--	--	--	7.86	13.05	--
W-4	5/5/2014	20.91	--	--	--	4.91	16.00	--
W-4	8/19/2014	20.91	--	--	--	7.85	13.06	--
B-1	1/27/1993	18.62	--	--	--	5.55	13.07	--
B-1	3/12/1993	18.62	--	--	--	6.64	11.98	--
B-1	4/14/1993	18.62	--	--	--	5.65	12.97	--
B-1	6/30/1993	18.62	--	--	--	6.81	11.81	--
B-1	12/15/1993	18.62	--	--	--	7.82	10.80	--
B-1	11/4/1994	18.62	--	--	--	8.80	9.82	--
B-1	2/22/1995	18.62	--	--	--	4.54	14.08	--
B-1	5/15/1995	18.62	--	--	--	6.25	12.37	--
B-1	6/16/1995	18.62	--	--	--	7.00	11.62	--
B-1	10/20/1995	18.62	--	--	--	7.75	10.87	--
B-1	4/4/1996	18.62	--	--	--	5.13	13.49	--
B-1	4/16/1996	18.62	--	--	--	4.93	13.69	--
B-1	5/10/1996	18.62	--	--	--	4.73	13.89	--
B-1	5/15/1996	18.62	--	--	--	4.73	13.89	--
B-1	5/22/1996	18.62	--	--	--	5.03	13.59	--
B-1	6/5/1996	18.62	--	--	--	5.88	12.74	--
B-1	6/24/1996	18.62	--	--	--	6.80	11.82	--
B-1	7/15/1996	18.62	--	--	--	7.48	11.14	--
B-1	1/3/1997	18.62	--	--	--	3.55	15.07	--
B-1	3/12/1997	18.62	--	--	--	4.62	14.00	--
B-1	4/2/1997	18.62	--	--	--	4.93	13.69	--
B-1	5/1/1997	18.62	--	--	--	5.52	13.10	--
B-1	8/19/1997	18.62	--	--	--	7.51	11.11	--
B-1	9/17/1997	18.62	--	--	--	6.80	11.82	--
B-1	5/1/1998	18.62	--	--	--	6.42	12.20	--
B-1	5/23/2000	18.62	--	--	--	6.53	12.09	--

Table 5

**Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
B-1	5/24/2001	18.62	--	--	--	6.65	11.97	--
B-1	6/5/2002	18.62	--	--	--	6.52	12.10	--
B-1	5/29/2003	18.62	--	--	--	6.81	11.81	--
B-1	6/15/2004	18.62	--	--	--	7.43	11.19	--
B-1	6/20/2005	18.62	--	--	--	6.43	12.19	--
B-1	6/5/2006	18.62	--	--	--	6.13	12.49	--
B-1	10/23/2006	18.62	--	--	--	7.86	10.76	--
B-1	3/14/2007	21.61	--	--	--	5.00	16.61	--
B-1	9/10/2007	21.61	--	--	--	8.00	13.61	--
B-1	12/13/2007	21.61	--	--	--	5.97	15.64	15.64
B-1	1/21/2008	21.61	--	--	--	5.09	16.52	16.52
B-1	2/24/2008	21.61	--	--	--	5.63	15.98	15.98
B-1	3/24/2008	21.61	--	--	--	6.20	15.41	15.41
B-1	6/2/2008	21.61	--	--	--	7.17	14.44	--
B-1	8/25/2008	21.61	--	--	--	7.95	13.66	13.66
B-1	2/18/2009	21.61	--	--	Not Monitored			NM
B-1	8/25/2009	21.61	--	--	Not Monitored			NM
B-1	3/22/2010	21.61	--	--	--	5.09	16.52	16.52
B-1	8/23/2010	21.61	--	--	--	7.50	14.11	14.11
B-1	2/7/2011	21.61	--	--	--	5.00	16.61	--
B-1	5/27/2011	21.61	--	--	--	6.73	14.88	--
B-1	11/14/2011	21.61	--	--	--	7.58	14.03	--
B-1	2/20/2012	21.61	--	--	--	4.82	16.79	--
B-1	8/22/2012	21.61	--	--	--	7.50	14.11	--
B-1	11/5/2012	21.61	--	--	--	7.21	14.40	--
B-1	1/28/2013	21.61	--	--	--	4.93	16.68	--
B-1	5/9/2013	21.61	--	--	--	5.64	15.97	--
B-1	8/19/2013	21.61	--	--	--	7.96	13.65	--
B-1	11/25/2013	21.61	--	--	--	6.03	15.58	--
B-1	2/14/2014	21.61	--	--	--	5.45	16.16	--
B-1	5/5/2014	21.61	--	--	--	4.23	17.38	--
B-1	8/19/2014	21.61	--	--	--	7.75	13.86	--
B-1	11/21/2014	21.61	--	--	--	5.71	15.90	--
B-2	1/27/1993	18.60	--	--	1.08	6.20	13.21	--
B-2	3/12/1993	18.60	--	--	0.24	8.15	10.63	--
B-2	4/14/1993	18.60	--	--	1.25	8.82	10.72	--
B-2	6/30/1993	18.60	--	--	0.75	8.47	10.69	--
B-2	12/15/1993	18.60	--	--	0.21	8.62	10.14	--
B-2	2/8/1994	18.60	--	--	0.50	6.63	12.35	--
B-2	7/8/1994	18.60	--	--	--	8.95	9.65	--
B-2	8/12/1994	18.60	--	--	--	9.34	9.26	--
B-2	9/21/1994	18.60	--	--	0.10	9.70	8.98	--
B-2	11/4/1994	18.60	--	--	0.12	9.68	9.01	--
B-2	12/23/1994	18.60	--	--	--	5.18	13.42	--
B-2	2/3/1995	18.60	--	--	Not Monitored			--
B-2	2/22/1995	18.60	--	--	0.03	6.03	12.59	--
B-2	5/15/1995	18.60	--	--	0.04	6.46	12.17	--
B-2	6/16/1995	18.60	--	--	--	6.92	11.68	--
B-2	10/20/1995	18.60	--	--	--	8.10	10.50	--
B-2	4/4/1996	18.60	--	--	0.83	5.40	13.82	--
B-2	4/16/1996	18.60	--	--	--	4.80	13.80	--
B-2	5/10/1996	18.60	--	--	0.43	4.88	14.04	--
B-2	5/15/1996	18.60	--	--	0.42	4.85	14.07	--
B-2	5/22/1996	18.60	--	--	0.05	7.14	11.50	--
B-2	6/5/1996	18.60	--	--	--	5.62	12.98	--
B-2	6/24/1996	18.60	--	--	--	8.17	10.43	--
B-2	7/15/1996	18.60	--	--	--	8.65	9.95	--
B-2	8/23/1996	18.60	--	--	--	9.08	9.52	--
B-2	9/18/1996	18.60	--	--	--	9.33	9.27	--
B-2	1/3/1997	18.60	--	--	--	3.91	14.69	--
B-2	3/12/1997	18.60	--	--	--	7.05	11.55	--
B-2	4/2/1997	18.60	--	--	--	7.15	11.45	--
B-2	5/1/1997	18.60	--	--	--	7.49	11.11	--
B-2	7/8/1997	18.60	--	--	0.02	6.03	12.59	--
B-2	8/19/1997	18.60	--	--	--	8.43	10.17	--
B-2	8/26/1997	18.60	--	--	--	8.52	10.08	--
B-2	9/18/1997	18.60	--	--	--	7.70	10.90	--
B-2	4/29/1998	18.60	--	--	--	6.47	12.13	--
B-2	7/30/1999	18.60	--	--	--	7.00	11.60	--
B-2	5/23/2000	18.60	--	--	--	6.67	11.93	--
B-2	5/24/2001	18.60	--	--	0.14	8.24	10.47	--
B-2	6/5/2002	18.60	--	--	0.31	6.56	12.27	--
B-2	5/29/2003	18.60	--	--	--	7.75	10.85	--
B-2	6/15/2004	18.60	--	--	--	8.76	9.84	--
B-2	6/20/2005	18.60	--	--	0.29	6.34	12.48	--
B-2	6/5/2006	18.60	--	--	0.02	8.87	9.75	--
B-2	10/23/2006	18.60	--	--	--	8.15	10.45	--
B-2	3/14/2007	21.82	--	--	--	5.23	16.59	--
B-2	9/10/2007	21.82	--	--	--	9.31	12.51	--
B-2	11/28/2007	21.82	3.85	17.97	1.50	5.35	17.60	18.72
B-2	12/13/2007	21.82	4.16	17.66	3.37	7.53	16.82	19.35
B-2	1/21/2008	21.82	--	--	--	7.08	14.74	14.74
B-2	2/24/2008	21.82	--	--	--	6.48	15.34	15.34
B-2	3/24/2008	21.82	--	--	--	7.19	14.63	14.63
B-2	6/2/2008	21.82	--	--	--	8.47	13.35	--
B-2	8/25/2008	21.82	--	--	--	8.85	12.97	12.97
B-2	2/18/2009	21.82	--	--	Not Monitored			NM
B-2	8/25/2009	21.82	--	--	Not Monitored			NM
B-2	3/22/2010	21.82	--	--	--	5.29	16.53	16.53
B-2	8/23/2010	21.82	--	--	--	7.37	14.45	14.45
B-2	2/7/2011	21.82	--	--	--	6.27	15.55	--

Table 5

**Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
B-2	5/27/2011	21.82	--	--	--	7.26	14.56	--
B-2	11/14/2011	21.82	--	--	--	8.71	13.11	--
B-2	2/20/2012	21.82	--	--	--	7.12	14.70	--
B-2	8/22/2012	21.82	--	--	--	7.68	14.14	--
B-2	11/5/2012	21.82	--	--	--	8.78	13.04	--
B-2	1/28/2013	21.82	--	--	--	5.08	16.74	--
B-2	5/9/2013	21.82	--	--	--	7.00	14.82	--
B-2	8/19/2013	21.82	--	--	--	9.02	12.80	--
B-2	11/25/2013	21.82	--	--	--	7.72	14.10	--
B-2	2/14/2014	21.82	--	--	--	7.12	14.70	--
B-2	5/5/2014	21.82	--	--	--	6.77	15.05	--
B-2	8/19/2014	21.82	--	--	--	9.21	12.61	--
B-2	11/21/2014	21.82	--	--	--	6.64	15.18	--
B-3	1/27/1993	18.73	--	--	4.64	10.18	12.03	--
B-3	3/12/1993	18.73	--	--	3.49	11.64	9.71	--
B-3	4/14/1993	18.73	--	--	2.64	10.75	9.96	--
B-3	6/30/1993	18.73	--	--	2.36	11.21	9.29	--
B-3	12/15/1993	18.73	--	--	0.68	11.05	8.19	--
B-3	2/8/1994	18.73	--	--	4.07	11.48	10.30	--
B-3	7/8/1994	18.73	--	--	2.37	11.58	8.93	--
B-3	8/12/1994	18.73	--	--	1.70	11.55	8.46	--
B-3	9/21/1994	18.73	--	--	0.82	11.60	7.75	--
B-3	11/4/1994	18.73	--	--	1.20	11.60	8.03	--
B-3	12/23/1994	18.73	--	--	6.00	11.95	11.28	--
B-3	2/3/1995	18.73	--	--	0.05	5.00	13.77	--
B-3	2/22/1995	18.73	--	--	8.63	13.68	11.52	--
B-3	3/24/1995	18.73	--	--	6.30	11.60	11.86	--
B-3	4/27/1995	18.73	--	--	3.70	9.90	11.61	--
B-3	5/15/1995	18.73	--	--	5.06	11.46	11.07	--
B-3	6/16/1995	18.73	--	--	4.53	11.48	10.65	--
B-3	8/25/1995	18.73	--	--	3.44	11.47	9.84	--
B-3	10/20/1995	18.73	--	--	0.55	9.91	9.23	--
B-3	4/4/1996	18.73	--	--	6.34	11.12	12.37	--
B-3	4/16/1996	18.73	--	--	5.28	10.04	12.65	--
B-3	5/10/1996	18.73	--	--	3.09	7.49	13.56	--
B-3	5/15/1996	18.73	--	--	2.52	6.93	13.69	--
B-3	5/22/1996	18.73	--	--	0.44	7.69	11.37	--
B-3	6/5/1996	18.73	--	--	1.54	9.31	10.58	--
B-3	6/24/1996	18.73	--	--	3.35	11.78	9.46	--
B-3	7/15/1996	18.73	--	--	2.77	11.59	9.22	--
B-3	8/23/1996	18.73	--	--	2.11	11.66	8.65	--
B-3	9/18/1996	18.73	--	--	1.96	11.63	8.57	--
B-3	1/3/1997	18.73	--	--	0.45	5.00	14.07	--
B-3	3/12/1997	18.73	--	--	0.61	8.15	11.04	--
B-3	4/2/1997	18.73	--	--	--	7.62	11.11	--
B-3	5/1/1997	18.73	--	--	1.20	7.93	11.70	--
B-3	7/8/1997	18.73	--	--	5.02	11.00	11.50	--
B-3	8/19/1997	18.73	--	--	2.52	11.12	9.50	--
B-3	8/26/1997	18.73	--	--	2.77	11.57	9.24	--
B-3	9/18/1997	18.73	--	--	0.37	10.28	8.73	--
B-3	4/30/1998	18.73	--	--	5.56	11.59	11.31	--
B-3	7/28/1999	18.73	--	--	4.77	11.63	10.68	--
B-3	5/23/2000	18.73	--	--	3.73	10.63	10.90	--
B-3	5/24/2001	18.73	--	--	2.00	10.81	9.42	--
B-3	6/5/2002	18.73	--	--	5.48	11.45	11.39	--
B-3	5/27/2003	18.73	--	--	3.55	11.42	9.97	--
B-3	6/15/2004	18.73	--	--	2.35	11.50	8.99	--
B-3	6/20/2005	18.73	--	--	3.52	9.30	12.07	--
B-3	6/5/2006	18.73	--	--	0.02	5.82	12.93	--
B-3	10/23/2006	18.73	--	--	0.91	9.05	10.36	--
B-3	3/14/2007	21.77	--	--	0.08	5.56	16.27	--
B-3	9/10/2007	21.77	--	--	0.08	10.21	11.62	--
B-3A	11/28/2007	21.77	--	--	--	8.60	13.17	13.17
B-3A	12/13/2007	21.77	--	--	--	7.96	13.81	13.81
B-3A	1/21/2008	21.77	--	--	--	7.09	14.68	14.68
B-3A	2/24/2008	21.77	--	--	--	6.69	15.08	15.08
B-3A	3/24/2008	21.77	--	--	--	7.38	14.39	14.39
B-3A	6/2/2008	21.85	--	--	--	8.62	13.23	--
B-3A	8/25/2008	21.85	--	--	--	8.93	12.92	12.92
B-3A	2/18/2009	21.85	--	--	Not Monitored	--	--	NM
B-3A	8/25/2009	21.85	--	--	Not Monitored	--	--	NM
B-3A	3/22/2010	21.85	--	--	--	5.31	16.54	16.54
B-3A	8/23/2010	21.85	7.31	14.54	0.23	7.54	14.48	14.66
B-3A	2/7/2011	21.85	--	--	--	6.56	15.29	--
B-3A	5/27/2011	21.85	--	--	--	7.75	14.10	--
B-3A	8/8/2011	21.85	--	--	--	8.61	13.24	--
B-3A	11/14/2011	21.85	--	--	--	8.87	12.98	--
B-3A	2/20/2012	21.85	--	--	--	7.69	14.16	--
B-3A	8/22/2012	21.85	--	--	--	7.79	14.06	--
B-3A	11/5/2012	21.85	--	--	--	9.07	12.78	--
B-3A	1/28/2013	21.85	--	--	--	5.31	16.54	--
B-3A	5/9/2013	21.85	--	--	--	7.54	14.31	--
B-3A	8/19/2013	21.85	9.08	12.77	0.03	9.11	12.76	--
B-3A	11/25/2013	21.85	--	--	--	8.04	13.81	--
B-3A	2/14/2014	21.85	--	--	--	7.67	14.18	--
B-3A	5/5/2014	21.85	--	--	--	7.41	14.44	--
B-3A	8/19/2014	21.85	--	--	--	9.51	12.34	--
B-3A	11/21/2014	21.85	--	--	--	6.79	15.06	--
B-3A	11/14/2016	21.85	--	--	--	5.55	16.30	--
B-3A	11/18/2016	--	--	--	--	--	--	--

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
B-3A	2/16/2017	21.85	--	--	--	4.43	17.42	--
B-3A	5/25/2017	21.85	--	--	--	5.23	16.62	--
B-3A	9/26/2017	21.85	--	--	--	8.69	13.16	--
B-3A	12/14/2017	21.85	--	--	--	4.97	16.88	--
B-3A	2/26/2018	21.85	--	--	--	5.05	16.80	--
B-3A	6/11/2018	21.85	--	--	--	7.05	14.80	--
B-3A	8/29/2018	21.85	---	---	---	8.58	13.27	--
B-4	1/27/1993	18.09	--	--	0.59	5.16	13.37	--
B-4	3/12/1993	18.09	--	--	0.03	7.48	10.63	--
B-4	4/14/1993	18.09	--	--	0.07	7.23	10.91	--
B-4	6/30/1993	18.09	--	--	--	7.20	10.89	--
B-4	12/15/1993	18.09	--	--	0.30	8.01	10.31	--
B-4	2/8/1994	18.09	--	--	0.78	6.29	12.39	--
B-4	7/8/1994	18.09	--	--	--	8.42	9.67	--
B-4	8/12/1994	18.09	--	--	--	8.79	9.30	--
B-4	9/21/1994	18.09	--	--	--	9.07	9.02	--
B-4	11/4/1994	18.09	--	--	--	8.94	9.15	--
B-4	12/23/1994	18.09	--	--	0.34	4.69	13.66	--
B-4	2/3/1995	18.09	--	--	0.90	5.00	13.77	--
B-4	2/22/1995	18.09	--	--	0.64	5.77	12.80	--
B-4	3/24/1995	18.09	--	--	0.90	6.09	12.68	--
B-4	4/27/1995	18.09	--	--	0.50	6.00	12.47	--
B-4	5/15/1995	18.09	--	--	0.44	6.24	12.18	--
B-4	6/16/1995	18.09	--	--	0.03	6.42	11.69	--
B-4	8/25/1995	18.09	--	--	--	7.14	10.95	--
B-4	10/20/1995	18.09	--	--	--	7.12	10.97	--
B-4	4/4/1996	18.09	--	--	--	5.03	13.06	--
B-4	4/16/1996	18.09	--	--	0.49	4.75	13.71	--
B-4	5/10/1996	18.09	--	--	0.92	4.71	14.07	--
B-4	5/15/1996	18.09	--	--	0.87	4.61	14.13	--
B-4	5/22/1996	18.09	--	--	0.68	7.10	11.50	--
B-4	6/5/1996	18.09	--	--	0.10	7.17	11.00	--
B-4	6/24/1996	18.09	--	--	--	7.67	10.42	--
B-4	7/15/1996	18.09	--	--	--	8.13	9.96	--
B-4	8/23/1996	18.09	--	--	--	8.59	9.50	--
B-4	9/18/1996	18.09	--	--	--	8.78	9.31	--
B-4	1/3/1997	18.09	--	--	1.61	4.46	14.84	--
B-4	3/12/1997	18.09	--	--	0.10	6.45	11.72	--
B-4	4/2/1997	18.09	--	--	0.01	6.54	11.56	--
B-4	5/1/1997	18.09	--	--	--	6.87	11.22	--
B-4	8/19/1997	18.09	--	--	--	7.87	10.22	--
B-4	8/26/1997	18.09	--	--	--	8.08	10.01	--
B-4	9/18/1997	18.09	--	--	--	7.40	10.69	--
B-4	4/30/1998	18.09	--	--	0.02	5.93	12.18	--
B-4	7/29/1999	18.09	--	--	--	6.42	11.67	--
B-4	5/23/2000	18.09	--	--	--	6.10	11.99	--
B-4	5/23/2001	18.09	--	--	--	7.46	10.63	--
B-4	6/5/2002	18.09	--	--	0.48	6.18	12.27	--
B-4	5/29/2003	18.09	--	--	sheen	7.10	10.99	--
B-4	6/15/2004	18.09	--	--	0.05	8.20	9.93	--
B-4	6/20/2005	18.09	--	--	0.48	5.95	12.50	--
B-4	6/5/2006	18.09	--	--	0.55	5.67	12.83	--
B-4	10/23/2006	18.09	--	--	0.04	7.60	10.52	--
B-4	3/14/2007	21.28	--	--	0.21	4.66	16.78	--
B-4	9/10/2007	21.28	--	--	--	8.78	12.50	--
B-4	11/28/2007	21.28	--	--	--	7.62	13.66	13.66
B-4	12/13/2007	21.28	--	--	--	6.82	14.46	14.46
B-4	1/21/2008	21.28	--	--	Not Monitored	--	--	--
B-4	2/24/2008	21.28	--	--	--	5.88	15.40	15.40
B-4	3/24/2008	21.28	--	--	--	6.52	14.76	14.76
B-4	6/2/2008	21.28	--	--	--	7.96	13.32	--
B-4	8/25/2008	21.28	--	--	--	8.35	12.93	12.93
B-4	2/18/2009	21.28	--	--	Not Monitored	--	--	NM
B-4	8/25/2009	21.28	--	--	Not Monitored	--	--	NM
B-4	3/22/2010	21.28	4.64	16.64	0.46	5.10	16.53	16.55
B-4	8/23/2010	21.28	6.79	14.49	0.46	7.25	14.38	14.72
B-4	2/7/2011	21.28	5.46	15.82	0.19	5.65	15.77	--
B-4	5/27/2011	21.28	6.72	14.56	0.09	6.81	14.47	--
B-4	2/20/2012	21.28	--	--	--	6.49	14.79	--
B-4	8/22/2012	21.28	--	--	--	7.14	14.14	--
B-4	11/5/2012	21.28	--	--	--	7.91	13.37	--
B-4	1/28/2013	21.28	--	--	--	4.71	16.57	--
B-4	5/9/2013	21.28	6.46	14.82	0.13	6.59	14.79	--
B-4	8/19/2013	21.28	--	--	--	8.51	12.77	--
B-4	11/25/2013	21.28	--	--	--	7.09	14.19	--
B-4	2/14/2014	21.28	--	--	--	6.53	14.75	--
B-4	5/5/2014	21.28	--	--	--	6.78	14.50	--
B-4	8/19/2014	21.28	--	--	--	8.66	12.62	--
B-4	11/21/2014	21.28	--	--	--	6.08	15.20	--
B-4	11/14/2016	21.28	--	--	--	4.52	16.76	--
B-4	11/17/2016	21.28	--	--	--	--	--	--
B-4	2/16/2017	21.28	3.28	18.00	0.80	4.08	17.84	--
B-4	5/24/2017	21.28	4.08	17.20	0.41	4.49	17.12	--
B-4	9/26/2017	21.28	--	--	--	8.22	13.06	--
B-4	12/14/2017	21.28	--	--	--	3.90	17.38	--
B-4	2/26/2018	21.28	--	--	--	4.34	16.94	--
B-4	6/11/2018	21.28	--	--	--	6.70	14.58	--
B-4	8/29/2018	21.28	---	---	---	8.27	13.01	--
B-5	1/27/1993	17.97	--	--	--	4.48	13.49	--
B-5	3/12/1993	17.97	--	--	--	7.98	9.99	--

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
B-5	4/14/1993	17.97	--	--	--	7.64	10.33	--
B-5	6/30/1993	17.97	--	--	--	7.03	10.94	--
B-5	12/15/1993	17.97	--	--	--	7.35	10.62	--
B-5	2/8/1994	17.97	--	--	0.03	5.40	12.59	--
B-5	7/8/1994	17.97	--	--	0.05	8.58	9.43	--
B-5	8/12/1994	17.97	--	--	0.01	8.78	9.20	--
B-5	9/21/1994	17.97	--	--	0.06	9.02	9.00	--
B-5	11/4/1994	17.97	--	--	0.07	8.96	9.06	--
B-5	12/23/1994	17.97	--	--	0.01	4.23	13.75	--
B-5	2/3/1995	17.97	--	--	0.04	4.30	13.70	--
B-5	2/22/1995	17.97	--	--	0.34	5.74	12.49	--
B-5	3/24/1995	17.97	--	--	0.78	5.93	12.63	--
B-5	4/27/1995	17.97	--	--	0.90	6.00	12.65	--
B-5	5/15/1995	17.97	--	--	0.90	6.30	12.35	--
B-5	6/16/1995	17.97	--	--	0.84	6.73	11.87	--
B-5	8/25/1995	17.97	--	--	0.07	6.87	11.15	--
B-5	10/20/1995	17.97	--	--	--	7.39	10.58	--
B-5	4/4/1996	17.97	--	--	--	4.24	13.73	--
B-5	4/16/1996	17.97	--	--	--	3.85	14.12	--
B-5	5/10/1996	17.97	--	--	--	3.63	14.34	--
B-5	5/15/1996	17.97	--	--	--	3.60	14.37	--
B-5	5/22/1996	17.97	--	--	--	7.46	10.51	--
B-5	6/5/1996	17.97	--	--	0.01	7.77	10.21	--
B-5	6/24/1996	17.97	--	--	--	7.57	10.40	--
B-5	7/15/1996	17.97	--	--	--	8.35	9.62	--
B-5	8/23/1996	17.97	--	--	--	8.62	9.35	--
B-5	9/18/1996	17.97	--	--	--	8.75	9.22	--
B-5	1/3/1997	17.97	--	--	--	2.95	15.02	--
B-5	3/12/1997	17.97	--	--	--	7.38	10.59	--
B-5	4/2/1997	17.97	--	--	--	7.43	10.54	--
B-5	5/1/1997	17.97	--	--	--	7.68	10.29	--
B-5	8/19/1997	17.97	--	--	--	7.56	10.41	--
B-5	8/26/1997	17.97	--	--	--	7.88	10.09	--
B-5	9/17/1997	17.97	--	--	--	7.53	10.44	--
B-5	4/29/1998	17.97	--	--	--	5.61	12.36	--
B-5	7/29/1999	17.97	--	--	--	6.09	11.88	--
B-5	5/23/2000	17.97	--	--	--	5.95	12.02	--
B-5	5/23/2001	17.97	--	--	--	7.95	10.02	--
B-5	6/5/2002	17.97	--	--	--	5.27	12.70	--
B-5	5/29/2003	17.97	--	--	sheen	6.82	11.15	--
B-5	6/15/2004	17.97	--	--	--	7.37	10.60	--
B-5	6/22/2005	17.97	--	--	--	5.29	12.68	--
B-5	6/5/2006	17.97	--	--	--	4.91	13.06	--
B-5	10/23/2006	17.97	--	--	--	7.24	10.73	--
B-5	3/14/2007	20.95	--	--	--	4.16	16.79	--
B-5	9/10/2007	20.95	--	--	--	8.77	12.18	--
B-5	11/28/2007	20.95	3.45	17.50	0.38	3.83	17.41	17.69
B-5	12/13/2007	20.94	--	--	--	7.56	13.38	13.38
B-5	1/21/2008	20.94	--	--	--	6.77	14.17	14.17
B-5	2/24/2008	20.94	--	--	--	5.56	15.38	15.38
B-5	3/24/2008	20.94	--	--	--	6.24	14.70	14.70
B-5	6/2/2008	20.95	--	--	--	8.21	12.74	--
B-5	8/25/2008	20.95	--	--	--	7.86	13.09	13.09
B-5	2/18/2009	20.95	--	--	Not Monitored	--	--	NM
B-5	8/25/2009	20.95	--	--	Not Monitored	--	--	NM
B-5	3/22/2010	20.95	--	--	--	4.25	16.70	16.70
B-5	8/23/2010	20.95	6.38	14.57	0.30	6.68	14.50	14.72
B-5	2/7/2011	20.95	--	--	--	5.41	15.54	--
B-5	5/27/2011	20.95	--	--	--	7.39	13.56	--
B-5	11/14/2011	20.95	--	--	--	8.15	12.80	--
B-5	2/20/2012	20.95	--	--	--	7.13	13.82	--
B-5	8/22/2012	20.95	--	--	--	6.80	14.15	--
B-5	11/5/2012	20.95	--	--	--	7.71	13.24	--
B-5	1/28/2013	20.95	--	--	--	4.03	16.92	--
B-5	5/9/2013	20.95	--	--	--	6.92	14.03	--
B-5	8/19/2013	20.95	8.57	12.38	0.01	8.58	12.38	--
B-5	11/25/2013	20.95	--	--	--	7.69	13.26	--
B-5	2/14/2014	20.95	--	--	--	6.97	13.98	--
B-5	5/5/2014	20.95	--	--	--	6.65	14.30	--
B-5	8/19/2014	20.95	--	--	--	8.67	12.28	--
B-5	11/21/2014	20.95	--	--	--	5.78	15.17	--
B-5	2/16/2017	20.95	2.93	18.02	0.03	2.96	18.01	--
B-6	1/27/1993	17.94	--	--	--	6.15	11.79	--
B-6	3/12/1993	17.94	--	--	--	7.86	10.08	--
B-6	4/14/1993	17.94	--	--	--	7.89	10.05	--
B-6	6/30/1993	17.94	--	--	--	7.26	10.68	--
B-6	12/15/1993	17.94	--	--	--	7.69	10.25	--
B-6	2/8/1994	17.94	--	--	--	5.61	12.33	--
B-6	7/8/1994	17.94	--	--	--	8.52	9.42	--
B-6	8/12/1994	17.94	--	--	0.76	9.38	9.13	--
B-6	9/21/1994	17.94	--	--	1.37	10.08	8.89	--
B-6	11/4/1994	17.94	--	--	1.76	10.48	8.78	--
B-6	12/23/1994	17.94	--	--	--	4.77	13.17	--
B-6	2/3/1995	17.94	--	--	0.05	4.79	13.19	--
B-6	2/22/1995	17.94	--	--	0.01	5.07	12.88	--
B-6	3/24/1995	17.94	--	--	0.77	6.97	11.55	--
B-6	4/27/1995	17.94	--	--	0.10	3.65	14.37	--
B-6	5/15/1995	17.94	--	--	0.46	6.10	12.19	--
B-6	6/16/1995	17.94	--	--	0.69	6.71	11.75	--
B-6	8/25/1995	17.94	--	--	0.37	7.20	11.02	--

Table 5

**Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
B-6	10/20/1995	17.94	--	--	0.18	7.54	10.54	--
B-6	4/4/1996	17.94	--	--	1.46	5.79	13.25	--
B-6	4/16/1996	17.94	--	--	2.24	5.92	13.70	--
B-6	5/10/1996	17.94	--	--	2.20	5.64	13.95	--
B-6	5/15/1996	17.94	--	--	2.33	5.72	13.97	--
B-6	5/17/1996	17.94	--	--	Not Monitored	--	--	--
B-6	5/22/1996	17.94	--	--	--	7.34	10.60	--
B-6	6/5/1996	17.94	--	--	0.41	8.00	10.25	--
B-6	6/24/1996	17.94	--	--	0.25	8.20	9.93	--
B-6	7/15/1996	17.94	--	--	0.59	8.77	9.61	--
B-6	8/23/1996	17.94	--	--	0.92	9.34	9.29	--
B-6	9/18/1996	17.94	--	--	0.91	9.51	9.11	--
B-6	1/3/1997	17.94	--	--	--	3.71	14.23	--
B-6	3/12/1997	17.94	--	--	--	7.01	10.93	--
B-6	4/2/1997	17.94	--	--	--	7.56	10.38	--
B-6	5/1/1997	17.94	--	--	--	7.65	10.29	--
B-6	8/19/1997	17.94	--	--	--	7.81	10.13	--
B-6	9/17/1997	17.94	--	--	--	7.00	10.94	--
B-6	4/29/1998	17.94	--	--	--	5.89	12.05	--
B-6	7/29/1999	17.94	--	--	--	6.15	11.79	--
B-6	5/24/2001	17.94	--	--	--	8.05	9.89	--
B-6	6/5/2002	17.94	--	--	0.10	5.65	12.37	--
B-6	5/29/2003	17.94	--	--	--	7.08	10.86	--
B-6	6/15/2004	17.94	--	--	--	8.42	9.52	--
B-6	6/22/2005	17.94	--	--	--	5.44	12.50	--
B-6	6/5/2006	17.94	--	--	--	5.10	12.84	--
B-6	10/23/2006	17.94	--	--	--	7.34	10.60	--
B-6	3/14/2007	21.00	--	--	--	4.46	16.54	--
B-6	9/10/2007	21.00	--	--	--	8.76	12.24	--
B-6	11/28/2007	21.00	--	--	--	9.50	11.50	11.50
B-6	12/13/2007	21.00	--	--	--	1.79	19.21	19.21
B-6	1/21/2008	21.00	--	--	--	11.60	9.40	9.40
B-6	2/24/2008	21.00	--	--	--	5.78	15.22	15.22
B-6	3/24/2008	21.00	--	--	--	6.47	14.53	14.53
B-6	6/2/2008	21.00	--	--	--	7.99	13.01	--
B-6	8/25/2008	21.00	--	--	--	8.11	12.89	12.89
B-6	2/18/2009	21.00	--	--	Not Monitored	--	--	NM
B-6	8/25/2009	21.00	--	--	Not Monitored	--	--	NM
B-6	3/22/2010	21.00	--	--	--	4.31	16.69	16.69
B-6	8/23/2010	21.00	--	--	--	6.40	14.60	14.60
B-6	2/7/2011	21.00	--	--	--	5.60	15.40	--
B-6	5/27/2011	21.00	--	--	--	7.01	13.99	--
B-6	8/8/2011	21.00	--	--	--	6.24	14.76	--
B-6	11/14/2011	21.00	--	--	--	8.19	12.81	--
B-6	2/20/2012	21.00	--	--	--	7.34	13.66	--
B-6	8/22/2012	21.00	--	--	--	6.92	14.08	--
B-6	11/5/2012	21.00	--	--	--	7.90	13.10	--
B-6	1/28/2013	21.00	--	--	--	4.42	16.58	--
B-6	5/9/2013	21.00	--	--	--	7.26	13.74	--
B-6	8/19/2013	21.00	--	--	--	8.63	12.37	--
B-6	11/25/2013	21.00	--	--	--	7.69	13.31	--
B-6	2/14/2014	21.00	--	--	--	7.29	13.71	--
B-6	5/5/2014	21.00	--	--	--	7.16	13.84	--
B-6	8/19/2014	21.00	--	--	--	8.69	12.31	--
B-6	11/21/2014	21.00	--	--	--	5.96	15.04	--
B-6	11/14/2016	21.00	--	--	--	4.11	16.89	--
B-6	11/17/2016	21.00	--	--	--	--	--	--
B-6	2/16/2017	21.00	--	--	--	3.37	17.63	--
B-6	5/25/2017	21.00	--	--	--	4.38	16.62	--
B-6	9/26/2017	21.00	7.8	13.20	0.05	7.85	13.19	--
B-6	12/14/2017	21.00	--	--	--	4.26	16.74	--
B-6	2/26/2018	21.00	--	--	--	4.30	16.70	--
B-6	6/11/2018	21.00	--	--	--	--	--	--
B-6	8/29/2018	21.00	--	--	--	7.99	13.01	--
D-1	1/27/1993	18.03	--	--	--	5.53	12.50	--
D-1	3/12/1993	18.03	--	--	--	6.65	11.38	--
D-1	4/14/1993	18.03	--	--	--	5.84	12.19	--
D-1	12/15/1993	18.03	--	--	--	6.59	11.44	--
D-1	11/4/1994	18.03	--	--	--	7.55	10.48	--
D-1	2/22/1995	18.03	--	--	--	5.90	12.13	--
D-1	6/16/1995	18.03	--	--	--	6.86	11.17	--
D-1	10/20/1995	18.03	--	--	--	6.60	11.43	--
D-1	4/4/1996	18.03	--	--	--	6.44	11.59	--
D-1	4/16/1996	18.03	--	--	--	6.36	11.67	--
D-1	5/1/1997	18.03	--	--	--	6.06	11.97	--
D-1R	11/14/2011	20.13	--	--	--	8.66	11.47	--
D-1R	2/20/2012	20.13	--	--	--	7.31	12.82	--
D-1R	8/22/2012	20.13	--	--	--	9.49	10.64	--
D-1R	11/5/2012	20.13	--	--	--	7.77	12.36	--
D-1R	1/28/2013	20.13	--	--	--	7.78	12.35	--
D-1R	5/9/2013	20.13	--	--	--	8.33	11.80	--
D-1R	8/19/2013	20.13	--	--	--	10.28	9.85	--
D-1R	11/25/2013	20.13	--	--	--	7.91	12.22	--
D-1R	2/14/2014	20.13	--	--	--	7.25	12.88	--
D-1R	5/5/2014	20.13	--	--	--	6.46	13.67	--
D-1R	8/19/2014	20.13	--	--	--	8.99	11.14	--
D-1R	11/21/2014	20.13	--	--	--	7.61	12.52	--
D-1R	11/14/2016	20.13	--	--	--	7.22	12.91	--
D-1R	11/16/2016	--	--	--	--	--	--	--
D-1R	2/16/2017	20.13	--	--	--	6.68	13.45	--

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
D-1R	5/24/2017	20.13	--	--	--	7.61	12.52	--
D-1R	9/26/2017	20.13	--	--	--	9.56	10.57	--
D-1R	9/28/2017	--	--	--	--	--	--	--
D-1R	12/14/2017	20.13	--	--	--	7.31	12.82	--
D-1R	2/26/2018	20.13	--	--	--	7.45	12.68	--
D-1R	6/11/2018	20.13	--	--	--	8.86	11.27	--
D-1R	6/27/2018	20.13	--	--	--	9.21	10.92	--
D-1R	8/28/2018	20.13	---	---	---	10.02	10.11	--
D-4	11/4/1994	17.82	--	--	--	6.44	11.38	--
D-4	2/22/1995	17.82	--	--	--	3.95	13.87	--
D-4	6/16/1995	17.82	--	--	--	6.37	11.45	--
D-4	10/20/1995	17.82	--	--	--	6.10	11.72	--
D-4	4/4/1996	17.82	--	--	--	5.17	12.65	--
D-4	4/16/1996	17.82	--	--	--	5.40	12.42	--
D-4	4/30/1998	17.82	--	--	--	5.68	12.14	--
D-4	6/5/2002	17.82	--	--	Dry	--	--	--
D-4	5/27/2003	17.82	--	--	Dry	--	--	--
D-4	6/15/2004	17.82	--	--	Dry	--	--	--
D-4	6/21/2005	17.82	--	--	--	5.90	11.92	--
D-4	6/5/2006	17.82	--	--	--	4.77	13.05	--
D-4	10/23/2006	17.82	--	--	--	5.82	DRY	--
D-4	3/14/2007	21.09	--	--	--	5.30	15.79	--
D-4	9/10/2007	21.09	--	--	--	5.57	15.52	--
D-4	11/28/2007	21.09	--	--	--	4.10	16.99	16.99
D-4	12/13/2007	21.09	--	--	--	5.00	16.09	16.09
D-4	1/21/2008	21.09	--	--	--	6.00	15.09	15.09
D-4	2/24/2008	21.09	--	--	--	4.15	16.94	16.94
D-4	3/24/2008	21.09	--	--	--	3.47	17.62	17.62
D-4	6/2/2008	21.09	--	--	Dry	--	--	--
D-4	8/25/2008	21.09	--	--	--	2.89	18.20	18.20
D-4	2/18/2009	21.09	--	--	Not Monitored	--	--	NM
D-4	8/25/2009	21.09	--	--	Not Monitored	--	--	NM
D-4	3/22/2010	21.09	--	--	--	5.41	15.68	15.68
D-4	8/23/2010	21.09	--	--	--	5.75	15.34	15.34
D-4	2/7/2011	21.09	--	--	--	2.93	18.16	--
D-4	5/27/2011	21.09	--	--	--	4.87	16.22	--
D-4	8/8/2011	21.09	--	--	Dry	--	--	--
D-4	10/13/2011				Decommissioned Well and Replaced With D-4R			
D-4R	11/14/2011	21.27	--	--	--	9.06	12.21	--
D-4R	2/20/2012	21.27	--	--	--	7.85	13.42	--
D-4R	8/22/2012	21.27	--	--	--	10.22	11.05	--
D-4R	11/5/2012	21.27	--	--	--	8.37	12.90	--
D-4R	1/28/2013	21.27	--	--	--	8.11	13.16	--
D-4R	5/9/2013	21.27	--	--	--	8.71	12.56	--
D-4R	8/19/2013	21.27	--	--	--	10.97	10.30	--
D-4R	11/25/2013	21.27	--	--	--	8.38	12.89	--
D-4R	2/14/2014	21.27	--	--	--	7.71	13.56	--
D-4R	5/5/2014	21.27	--	--	--	7.11	14.16	--
D-4R	8/19/2014	21.27	--	--	--	9.56	11.71	--
D-4R	11/21/2014	21.27	--	--	--	7.90	13.37	--
D-4R	11/14/2016	21.27	--	--	--	6.69	14.58	--
D-4R	11/16/2016	--	--	--	--	--	--	--
D-4R	2/16/2017	21.27	--	--	--	5.23	16.04	--
D-4R	5/24/2017	21.27	--	--	--	7.10	14.17	--
D-4R	9/26/2017	21.27	--	--	--	10.23	11.04	--
D-4R	9/27/2017	--	--	--	--	--	--	--
D-4R	12/13/2017	21.27	--	--	--	6.36	14.91	--
D-4R	2/26/2018	21.27	--	--	--	6.99	14.28	--
D-4R	6/11/2018	21.27	--	--	--	8.73	12.54	--
D-4R	6/27/2018	21.27	--	--	--	9.78	11.49	--
D-4R	8/29/2018	21.27	---	---	---	10.84	10.43	--
D-5	1/27/1993	18.12	--	--	--	5.51	12.61	--
D-5	4/14/1993	18.12	--	--	--	5.58	12.54	--
D-5	12/15/1993	18.12	--	--	--	6.55	11.57	--
D-5	11/4/1994	18.12	--	--	--	6.56	11.56	--
D-5	2/22/1995	18.12	--	--	--	4.10	14.02	--
D-5	6/16/1995	18.12	--	--	--	6.77	11.35	--
D-5	10/20/1995	18.12	--	--	--	6.55	11.57	--
D-5	4/4/1996	18.12	--	--	--	4.51	13.61	--
D-5	4/16/1996	18.12	--	--	--	4.94	13.18	--
D-5	5/1/1997	18.12	--	--	--	6.50	11.62	--
D-5	4/30/1998	18.12	--	--	--	6.61	11.51	--
D-5	5/27/2003	18.12	--	--	Dry	--	--	--
D-5	6/15/2004	18.12	--	--	Dry	--	--	--
D-5	6/21/2005	18.12	--	--	Dry	--	--	--
D-5	6/5/2006	18.12	--	--	--	6.51	11.61	--
D-5	10/23/2006	18.12	--	--	Dry	--	--	--
D-5	3/14/2007	21.33	--	--	Dry	--	--	--
D-5	9/10/2007	21.33	--	--	Dry	--	--	--
D-5	11/28/2007	21.33	--	--	--	6.74	14.59	14.59
D-5	12/13/2007	21.33	--	--	--	2.30	19.03	19.03
D-5	1/21/2008	21.33	--	--	Not Monitored	--	--	--
D-5	2/24/2008	21.33	--	--	--	6.23	15.10	15.10
D-5	3/24/2008	21.33	--	--	Dry	--	--	--
D-5	6/2/2008	21.33	--	--	Dry	--	--	--
D-5	8/25/2008	21.33	--	--	--	6.91	14.42	14.42
D-5	2/18/2009	21.33	--	--	Not Monitored	--	--	NM
D-5	8/25/2009	21.33	--	--	Not Monitored	--	--	NM
D-5	3/22/2010	21.33	--	--	Dry	--	--	--

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
D-5	8/23/2010	21.33	--	--	--	6.82	14.51	14.51
D-5	2/7/2011	21.33	--	--	--	6.90	14.43	
D-5	5/27/2011	21.33			Not Monitored			
D-5	8/8/2011	21.33			Dry			
D-5	10/6/2011				Decommissioned Well and Replaced With D-5R			
D-5R	11/14/2011	21.45	--	--	--	9.39	12.06	--
D-5R	2/20/2012	21.45	--	--	--	8.33	13.12	--
D-5R	8/22/2012	21.45	--	--	--	10.44	11.01	--
D-5R	11/5/2012	21.45	--	--	--	8.79	12.66	--
D-5R	1/28/2013	21.45	--	--	--	8.83	12.62	--
D-5R	5/9/2013	21.45	--	--	--	9.16	12.29	--
D-5R	8/19/2013	21.45	--	--	--	11.11	10.34	--
D-5R	11/25/2013	21.45	--	--	--	8.80	12.65	--
D-5R	2/14/2014	21.45	--	--	--	8.21	13.24	--
D-5R	5/5/2014	21.45	--	--	--	7.65	13.80	--
D-5R	8/19/2014	21.45	--	--	--	9.72	11.73	--
D-5R	11/21/2014	21.45	--	--	--	8.32	13.13	--
D-5R	11/14/2016	21.45	--	--	--	8.15	13.30	--
D-5R	11/17/2016	21.45	--	--	--	--	--	--
D-5R	11/17/2016	21.45	--	--	--	--	--	--
D-5R	2/16/2017	21.45	--	--	--	7.30	14.15	--
D-5R	5/24/2017	21.45	--	--	--	8.34	13.11	--
D-5R	9/26/2017	21.45	--	--	--	10.24	11.21	--
D-5R	9/27/2017	21.45	--	--	--	--	--	--
D-5R	12/13/2017	21.45	--	--	--	8.10	13.35	--
D-5R	2/26/2018	21.45	--	--	--	8.21	13.24	--
D-5R	6/11/2018	21.45	--	--	--	9.32	12.13	--
D-5R	6/27/2018	21.45	--	--	--	9.91	11.54	--
D-5R	8/29/2018	21.45	--	--	--	10.98	10.47	--
D-6	1/27/1993	17.74	--	--	1.00	5.54	12.95	--
D-6	3/12/1993	17.74	--	--	--	6.79	10.95	--
D-6	4/14/1993	17.74	--	--	--	5.68	12.06	--
D-6	6/30/1993	17.74	--	--	--	6.58	11.16	--
D-6	12/15/1993	17.74	--	--	--	7.14	10.60	--
D-6	2/8/1994	17.74	--	--	--	5.27	12.47	--
D-6	7/8/1994	17.74	--	--	--	7.43	10.31	--
D-6	12/23/1994	17.74	--	--	--	5.14	12.60	--
D-6	2/3/1995	17.74	--	--	--	4.34	13.40	--
D-6	2/22/1995	17.74	--	--	--	4.79	12.95	--
D-6	3/24/1995	17.74	--	--	--	4.55	13.19	--
D-6	4/27/1995	17.74	--	--	--	6.64	11.10	--
D-6	5/15/1995	17.74	--	--	--	5.19	12.55	--
D-6	6/16/1995	17.74	--	--	--	5.67	12.07	--
D-6	8/25/1995	17.74	--	--	--	6.42	11.32	--
D-6	10/20/1995	17.74	--	--	--	4.81	12.93	--
D-6	4/4/1996	17.74	--	--	--	1.58	16.16	--
D-6	4/16/1996	17.74	--	--	--	1.21	16.53	--
D-6	5/10/1996	17.74	--	--	--	3.50	14.24	--
D-6	5/15/1996	17.74	--	--	--	3.28	14.46	--
D-6	5/22/1996	17.74	--	--	--	5.59	12.15	--
D-6	6/5/1996	17.74	--	--	--	6.09	11.65	--
D-6	6/24/1996	17.74	--	--	--	6.55	11.19	--
D-6	7/15/1996	17.74	--	--	--	7.10	10.64	--
D-6	8/23/1996	17.74	--	--	--	7.73	10.01	--
D-6	9/18/1996	17.74	--	--	--	7.09	10.65	--
D-6	1/3/1997	17.74	--	--	--	2.77	14.97	--
D-6	3/12/1997	17.74	--	--	--	1.61	16.13	--
D-6	4/2/1997	17.74	--	--	--	5.97	11.77	--
D-6	5/1/1997	17.74	--	--	--	5.89	11.85	--
D-6	8/19/1997	17.74	--	--	--	7.28	10.46	--
D-6	9/17/1997	17.74	--	--	--	7.38	10.36	--
D-6	4/30/1998	17.74	--	--	--	5.49	12.25	--
D-6	5/23/2000	17.74	--	--	--	5.82	11.92	--
D-6	5/23/2001	17.74	--	--	--	6.92	10.82	--
D-6	6/5/2002	17.74	--	--	--	4.67	13.07	--
D-6	5/27/2003	17.74	--	--	--	6.72	11.02	--
D-6	6/15/2004	17.74	--	--	--	8.52	9.22	--
D-6	6/22/2005	17.74	--	--	--	4.67	13.07	--
D-6	6/5/2006	17.74	--	--	--	2.62	15.12	--
D-6	10/23/2006	17.74	--	--	--	6.95	10.79	--
D-6	3/14/2007	20.61	--	--	--	4.62	15.99	--
D-6	9/10/2007	20.61	--	--	--	7.92	12.69	--
D-6	11/28/2007	20.61	--	--	--	7.80	12.81	12.81
D-6	12/13/2007	20.61	--	--	--	6.26	14.35	14.35
D-6	1/21/2008	20.61	--	--	--	6.03	14.58	14.58
D-6	2/24/2008	20.61	--	--	--	5.93	14.68	14.68
D-6	3/24/2008	20.61	--	--	--	5.76	14.85	14.85
D-6	6/2/2008	20.61	--	--	--	6.75	13.86	--
D-6	8/25/2008	20.61	--	--	--	7.51	13.10	13.10
D-6	2/18/2009	20.61			Not Monitored			NM
D-6	8/25/2009	20.61			Not Monitored			NM
D-6	3/22/2010	20.61	--	--	--	3.85	16.76	16.76
D-6	8/23/2010	20.61	--	--	--	5.99	14.62	14.62
D-6	2/7/2011	20.61	--	--	--	3.50	17.11	--
D-6	5/27/2011	20.61	--	--	--	5.40	15.21	--
D-6	8/8/2011	20.61	--	--	--	7.05	13.56	--
D-6	11/14/2011	20.61	--	--	--	5.95	14.66	--
D-6	2/20/2012	20.61	--	--	--	5.60	15.01	--
D-6	8/22/2012	20.61	--	--	--	6.52	14.09	--
D-6	11/5/2012	20.61	--	--	--	7.26	13.35	--

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
D-6	5/9/2013	20.61	--	--	--	5.48	15.13	--
D-6	8/19/2013	20.61	--	--	--	7.64	12.97	--
D-6	11/25/2013	20.61	--	--	--	6.26	14.35	--
D-6	2/14/2014	20.61	--	--	--	6.22	14.39	--
D-6	5/5/2014	20.61	--	--	--	4.36	16.25	--
D-6	8/19/2014	20.61	--	--	--	7.69	12.92	--
D-6	11/21/2014	20.61	--	--	--	6.79	13.82	--
D-7	1/27/1993	17.69	--	--	--	5.07	12.62	--
D-7	3/12/1993	17.69	--	--	--	6.38	11.31	--
D-7	4/14/1993	17.69	--	--	--	6.38	11.31	--
D-7	12/15/1993	17.69	--	--	--	7.37	10.32	--
D-7	7/8/1994	17.69	--	--	--	7.14	10.55	--
D-7	8/12/1994	17.69	--	--	--	7.14	10.55	--
D-7	11/4/1994	17.69	--	--	--	7.94	9.75	--
D-7	12/23/1994	17.69	--	--	--	7.14	10.55	--
D-7	2/3/1995	17.69	--	--	--	4.59	13.10	--
D-7	2/22/1995	17.69	--	--	--	5.31	12.38	--
D-7	3/24/1995	17.69	--	--	--	5.35	12.34	--
D-7	4/27/1995	17.69	--	--	--	5.18	12.51	--
D-7	5/15/1995	17.69	--	--	--	5.50	12.19	--
D-7	6/16/1995	17.69	--	--	--	5.95	11.74	--
D-7	8/25/1995	17.69	--	--	--	6.59	11.10	--
D-7	10/20/1995	17.69	--	--	--	6.00	11.69	--
D-7	3/24/1996	17.69	--	--	--	5.35	12.34	--
D-7	4/4/1996	17.69	--	--	--	4.30	13.39	--
D-7	4/16/1996	17.69	--	--	--	4.01	13.68	--
D-7	4/2/1997	17.69	--	--	--	6.04	11.65	--
D-7	5/1/1997	17.69	--	--	--	6.30	11.39	--
D-7	4/30/1998	17.69	--	--	--	5.85	11.84	--
D-7	5/23/2000	17.69	--	--	--	6.11	11.58	--
D-7	5/23/2001	17.69	--	--	--	6.85	10.84	--
D-7	6/4/2002	17.69	--	--	--	5.51	12.18	--
D-7	5/27/2003	17.69	--	--	--	6.36	11.33	--
D-7	6/15/2004	17.69	--	--	--	7.24	10.45	--
D-7	6/22/2005	17.69	--	--	--	5.11	12.58	--
D-7	6/5/2006	17.69	--	--	--	4.74	12.95	--
D-7	10/23/2006	17.69	--	--	--	7.04	10.65	--
D-7	3/14/2007	20.49	--	--	--	3.83	16.66	--
D-7	9/10/2007	20.49	--	--	--	7.67	12.82	--
D-7	11/28/2007	20.49	--	--	--	6.92	13.57	13.57
D-7	12/13/2007	20.49	--	--	--	2.36	18.13	18.13
D-7	1/21/2008	20.49	--	--	--	9.97	10.52	10.52
D-7	2/24/2008	20.49	--	--	--	6.03	14.46	14.46
D-7	3/24/2008	20.49	--	--	Not Monitored	--	--	--
D-7	6/2/2008	20.49	--	--	--	6.25	14.24	--
D-7	8/25/2008	20.49	--	--	--	7.42	13.07	13.07
D-7	2/18/2009	20.49	--	--	Not Monitored	--	--	NM
D-7	8/25/2009	20.49	--	--	Not Monitored	--	--	NM
D-7	3/22/2010	20.49	--	--	--	4.41	16.08	16.08
D-7	8/23/2010	20.49	--	--	--	5.96	14.53	14.53
D-7	2/7/2011	20.49	--	--	--	5.36	15.13	--
D-7	5/27/2011	20.49	--	--	--	5.92	14.57	--
D-7	8/8/2011	20.49	--	--	--	6.85	13.64	--
D-7	11/14/2011	20.49	--	--	--	4.81	15.68	--
D-7	2/20/2012	20.49	--	--	--	5.04	15.45	--
D-7	8/22/2012	20.49	--	--	--	6.73	13.76	--
D-7	11/5/2012	20.49	--	--	--	7.06	13.43	--
D-7	1/28/2013	20.49	--	--	--	3.53	16.96	--
D-7	5/9/2013	20.49	--	--	--	5.85	14.64	--
D-7	8/19/2013	20.49	--	--	--	7.41	13.08	--
D-7	11/25/2013	20.49	--	--	--	6.18	14.31	--
D-7	2/14/2014	20.49	--	--	--	5.29	15.20	--
D-7	5/5/2014	20.49	--	--	--	4.56	15.93	--
D-7	8/19/2014	20.49	--	--	--	7.42	13.07	--
D-7	11/21/2014	20.49	--	--	--	5.30	15.19	--
DPE-1	11/15/2016	--	--	--	--	8.90	--	--
DPE-1	2/16/2017	--	--	--	--	7.73	--	--
DPE-1	5/24/2017	15.46	--	--	--	8.97	6.49	--
DPE-1	7/11/2017	--	--	--	--	11.01	--	--
DPE-1	9/26/2017	25.66	12.4	13.26	0.02	12.42	13.26	--
DPE-1	12/11/2017	25.66	--	--	--	6.88	18.78	--
DPE-1	2/26/2018	25.66	--	--	--	8.86	16.80	--
DPE-1	6/11/2018	25.66	--	--	--	10.67	14.99	--
DPE-2	11/15/2016	--	--	--	--	8.81	--	--
DPE-2	2/16/2017	--	--	--	--	8.14	--	--
DPE-2	5/24/2017	16.28	--	--	--	9.38	6.90	--
DPE-2	7/11/2017	--	--	--	--	11.39	--	--
DPE-2	9/26/2017	25.15	--	--	--	12.37	12.78	--
DPE-2	12/11/2017	25.15	--	--	--	6.21	18.94	--
DPE-2	2/26/2018	25.15	--	--	--	8.79	16.36	--
DPE-2	6/11/2018	25.15	--	--	--	10.77	14.38	--
DPE-3	11/15/2016	--	--	--	--	8.44	--	--
DPE-3	2/16/2017	--	7.95	--	6.26	14.21	--	--
DPE-3	5/15/2017	--	9.24	--	6.09	15.33	--	--
DPE-3	5/24/2017	28.42	8.84	19.58	0.34	9.18	19.51	--
DPE-3	7/11/2017	--	11.42	--	0.01	11.43	--	--
DPE-3	9/26/2017	25.16	13.25	11.91	0.22	13.47	11.87	--
DPE-3	12/11/2017	25.16	--	--	--	9.28	15.88	--

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Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

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DPE-3	2/26/2018	25.16	11.29	13.87	0.05	11.34	13.86	--
DPE-3	6/11/2018	25.16	14.25	10.91	0.02	14.27	10.91	--
DPE-4	11/15/2016	--	--	--	--	9.94	--	--
DPE-4	2/16/2017	--	--	--	--	8.91	--	--
DPE-4	5/24/2017	17.82	--	--	--	9.48	8.34	--
DPE-4	7/11/2017	--	--	--	--	11.22	--	--
DPE-4	9/26/2017	25.25	--	--	--	12.19	13.06	--
DPE-4	12/11/2017	25.25	--	--	--	7.57	17.68	--
DPE-4	2/26/2018	25.25	--	--	--	9.67	15.58	--
DPE-4	6/11/2018	25.25	--	--	--	10.96	14.29	--
DPE-5	11/15/2016	--	--	--	--	7.01	--	--
DPE-5	2/16/2017	--	--	--	--	8.64	--	--
DPE-5	5/24/2017	17.28	--	--	--	9.83	7.45	--
DPE-5	7/11/2017	--	--	--	--	12.66	--	--
DPE-5	9/26/2017	25.91	--	--	--	13.77	12.14	--
DPE-5	12/11/2017	25.91	--	--	--	7.90	18.01	--
DPE-5	2/26/2018	25.91	--	--	--	10.04	15.87	--
DPE-5	6/11/2018	25.91	--	--	--	12.40	13.51	--
DPE-6	7/11/2017	--	--	--	--	13.98	--	--
DPE-6	6/11/2018	--	--	--	--	13.12	--	--
DPE-7	7/11/2017	--	13.97	--	0.39	14.36	--	--
DPE-7	6/11/2018	--	--	--	--	13.58	--	--
DPE-8	7/11/2017	--	--	--	--	18.96	--	--
DPE-8	6/11/2018	--	15.72	--	0.04	15.76	--	--
DPE-9	7/11/2017	--	--	--	--	18.39	--	--
DPE-9	6/11/2018	--	--	--	--	16.02	--	--
DPE-10	7/11/2017	--	--	--	--	19.01	--	--
DPE-10	6/11/2018	--	--	--	--	16.19	--	--
DPE-11	11/15/2016	--	11.25	--	0.06	11.31	--	--
DPE-11	2/16/2017	--	11.21	--	0.35	11.56	--	--
DPE-11	5/24/2017	23.12	--	--	--	13.11	10.01	--
DPE-11	7/11/2017	--	--	--	--	12.84	--	--
DPE-11	9/26/2017	25.08	--	--	--	--	--	--
DPE-11	12/11/2017	25.08	--	--	--	10.27	14.81	--
DPE-11	2/26/2018	25.08	--	--	--	11.91	13.17	--
DPE-11	6/11/2018	25.08	--	--	--	17.97	7.11	--
DPE-12	11/15/2016	--	--	--	--	8.91	--	--
DPE-12	2/16/2017	--	7.71	--	0.02	7.73	--	--
DPE-12	5/24/2017	15.46	11.38	4.08	0.33	11.71	4.01	--
DPE-12	7/11/2017	--	--	--	--	10.47	--	--
DPE-12	9/26/2017	24.72	--	--	--	12.85	11.87	--
DPE-12	12/11/2017	24.72	--	--	--	6.15	18.57	--
DPE-12	2/26/2018	24.72	--	--	--	8.88	15.84	--
DPE-12	6/11/2018	24.72	--	--	--	11.01	13.71	--
DPE-13	11/15/2016	--	--	--	--	11.24	--	--
DPE-13	2/16/2017	--	--	--	--	11.28	--	--
DPE-13	5/24/2017	22.56	--	--	--	12.07	10.49	--
DPE-13	7/11/2017	--	--	--	--	13.51	--	--
DPE-13	9/26/2017	24.92	--	--	--	14.28	10.64	--
DPE-13	12/11/2017	24.92	--	--	--	9.69	15.23	--
DPE-13	2/26/2018	24.92	--	--	--	11.65	13.27	--
DPE-13	6/11/2018	24.92	--	--	--	11.40	13.52	--
DPE-14	11/15/2016	--	--	--	--	2.50	--	--
DPE-14	2/16/2017	--	--	--	--	2.56	--	--
DPE-14	5/24/2017	5.12	--	--	--	4.97	0.15	--
DPE-14	7/11/2017	--	--	--	--	7.60	--	--
DPE-14	9/26/2017	20.67	9.45	11.22	0.03	9.48	11.21	--
DPE-14	12/11/2017	20.67	--	--	--	4.77	15.90	--
DPE-14	2/26/2018	20.67	--	--	--	4.45	16.22	--
DPE-14	6/11/2018	20.67	--	--	--	7.06	13.61	--
DPE-15	11/15/2016	--	--	--	--	6.81	--	--
DPE-15	2/16/2017	--	7.04	--	0.04	7.08	--	--
DPE-15	5/24/2017	14.16	7.9	6.26	0.21	8.11	6.22	--
DPE-15	9/26/2017	20.62	9.92	10.7	0.24	10.16	10.65	--
DPE-15	12/11/2017	20.62	7.55	13.07	0.02	7.57	13.07	--
DPE-15	2/26/2018	20.62	7.17	13.45	0.07	7.24	13.38	--
DPE-15	6/11/2018	20.62	8.72	11.9	0.08	8.80	11.88	--
DPE-16	11/15/2016	--	--	--	--	6.84	--	--
DPE-16	2/16/2017	--	--	--	--	5.77	--	--
DPE-16	5/24/2017	11.54	--	--	--	6.81	4.73	--
DPE-16	7/11/2017	--	--	--	--	8.26	--	--
DPE-16	9/26/2017	20.44	--	--	--	8.57	11.87	--
DPE-16	12/11/2017	20.44	--	--	--	4.87	15.57	--
DPE-16	2/26/2018	20.44	--	--	--	4.77	15.67	--
DPE-16	6/11/2018	20.44	--	--	--	6.65	13.79	--
DPE-17	11/15/2016	--	--	--	--	6.71	--	--
DPE-17	2/16/2017	--	--	--	--	6.93	--	--
DPE-17	5/24/2017	13.86	--	--	--	7.86	6.00	--
DPE-17	7/11/2017	--	--	--	--	9.26	--	--

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
DPE-17	9/26/2017	20.43	--	--	--	9.79	10.64	--
DPE-17	12/11/2017	20.43	--	--	--	7.62	12.81	--
DPE-17	2/26/2018	20.43	--	--	--	7.70	12.73	--
DPE-17	6/11/2018	20.43	--	--	--	8.90	11.53	--
DPE-18	11/15/2016	--	--	--	--	6.30	--	--
DPE-18	2/16/2017	--	6.06	--	0.01	6.07	--	--
DPE-18	5/24/2017	12.14	--	--	--	7.53	4.61	--
DPE-18	9/26/2017	20.18	--	--	--	9.42	10.76	--
DPE-18	12/11/2017	20.18	--	--	--	6.69	13.49	--
DPE-18	2/26/2018	20.18	--	--	--	7.26	12.92	--
DPE-18	6/11/2018	20.18	--	--	--	9.38	10.80	--
DPE-19	11/15/2016	--	--	--	--	7.40	--	--
DPE-19	2/16/2017	--	--	--	--	6.74	--	--
DPE-19	5/24/2017	13.48	--	--	--	8.17	5.31	--
DPE-19	7/11/2017	--	--	--	--	9.62	--	--
DPE-19	9/26/2017	21.98	--	--	--	11.11	10.87	--
DPE-19	12/11/2017	21.98	--	--	--	7.60	14.38	--
DPE-19	2/26/2018	21.98	--	--	--	7.73	14.25	--
DPE-19	6/11/2018	21.98	--	--	--	9.36	12.62	--
DPE-20	11/15/2016	--	--	--	--	7.38	--	--
DPE-20	2/16/2017	--	--	--	--	7.12	--	--
DPE-20	5/24/2017	14.24	--	--	--	8.02	6.22	--
DPE-20	7/11/2017	--	--	--	--	9.40	--	--
DPE-20	9/26/2017	20.49	--	--	--	10.02	10.47	--
DPE-20	12/11/2017	20.49	--	--	--	7.68	12.81	--
DPE-20	2/26/2018	20.49	--	--	--	7.88	12.61	--
DPE-20	6/11/2018	20.49	--	--	--	9.06	11.43	--
DPE-21	7/11/2017	--	--	--	--	8.37	--	--
DPE-22	7/11/2017	--	--	--	--	9.39	--	--
DPE-22	6/11/2018	--	--	--	--	9.12	--	--
DPE-23	7/11/2017	--	9.93	--	0.01	9.94	--	--
DPE-23	6/11/2018	--	--	--	--	9.52	--	--
DPE-24	7/11/2017	--	--	--	--	10.25	--	--
DPE-24	6/11/2018	--	--	--	--	9.80	--	--
DPE-25	7/8/2016	--	8.71	--	3.31	12.02	--	--
DPE-25	5/30/2017	--	7.45	--	4.51	11.96	--	--
DPE-25	7/11/2017	--	7.9	--	3.49	11.39	--	--
DPE-25	12/11/2017	--	7.42	--	0.29	7.71	--	--
DPE-25	6/11/2018	--	8.58	--	2.32	10.90	--	--
DPE-26	7/8/2016	--	8.7	--	2.49	11.19	--	--
DPE-26	5/30/2017	--	7.42	--	4.44	11.86	--	--
DPE-26	7/11/2017	--	8.1	--	4.66	12.76	--	--
DPE-26	12/11/2017	--	5.08	--	8.03	13.11	--	--
DPE-26	6/11/2018	--	8.35	--	3.44	11.79	--	--
DPE-27	7/8/2016	--	8.89	--	1.72	10.61	--	--
DPE-27	7/11/2017	--	8.14	--	2.68	10.82	--	--
DPE-27	12/11/2017	--	5.28	--	5.02	10.30	--	--
DPE-27	6/11/2018	--	8.63	--	1.62	10.25	--	--
DPE-28	7/8/2016	--	8.79	--	1.41	10.20	--	--
DPE-28	7/11/2017	--	7.5	--	2.25	9.75	--	--
DPE-28	12/11/2017	--	4.94	--	0.31	5.25	--	--
DPE-28	6/11/2018	--	8.57	--	0.03	8.60	--	--
DPE-29	11/15/2016	--	--	--	--	6.34	--	--
DPE-29	2/16/2017	--	--	--	--	5.80	--	--
DPE-29	5/24/2017	11.60	--	--	--	7.42	4.18	--
DPE-29	7/11/2017	--	--	--	--	7.73	--	--
DPE-29	9/26/2017	20.93	--	--	--	7.33	13.60	--
DPE-29	12/11/2017	20.93	--	--	--	5.82	15.11	--
DPE-29	2/26/2018	20.93	--	--	--	8.31	12.62	--
DPE-29	6/11/2018	20.93	--	--	--	8.60	12.33	--
DPE-30	11/15/2016	--	--	--	--	8.51	--	--
DPE-30	2/16/2017	--	--	--	--	8.14	--	--
DPE-30	5/24/2017	16.28	--	--	--	9.22	7.06	--
DPE-30	7/11/2017	--	--	--	--	10.11	--	--
DPE-30	9/26/2017	22.67	--	--	--	11.53	11.14	--
DPE-30	12/11/2017	22.67	--	--	--	7.32	15.35	--
DPE-30	2/26/2018	22.67	--	--	--	9.34	13.33	--
DPE-30	6/11/2018	22.67	--	--	--	10.44	12.23	--
DPE-31	7/8/2016	--	9.99	--	0.11	10.10	--	--
DPE-31	7/11/2017	--	9.08	--	0.26	9.34	--	--
DPE-31	12/11/2017	--	--	--	--	5.82	--	--
DPE-31	6/11/2018	--	9.80	--	0.01	9.81	--	--
DPE-32	7/8/2016	--	9.32	--	2.29	11.61	--	--
DPE-32	5/30/2017	--	7.32	--	4.86	12.18	--	--
DPE-32	7/11/2017	--	8.21	--	4.7	12.91	--	--
DPE-32	12/11/2017	--	5.18	--	7.77	12.95	--	--
DPE-32	6/11/2018	--	9.18	--	2.02	11.20	--	--

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
DPE-33	11/15/2016	--	6.96	--	0.63	7.59	--	--
DPE-33	2/16/2017	--	6.64	--	0.45	7.09	--	--
DPE-33	5/24/2017	14.18	7.85	6.33	0.45	8.30	6.24	--
DPE-33	7/11/2017	--	9.25	--	0.43	9.68	--	--
DPE-33	9/26/2017	21.05	10.09	10.96	0.33	10.42	10.89	--
DPE-33	12/11/2017	21.05	5.55	15.5	0.05	5.60	15.49	--
DPE-33	2/26/2018	21.05	7.86	13.19	0.03	7.89	13.18	--
DPE-33	6/11/2018	21.05	9.16	11.89	0.04	9.20	11.88	--
DPE-34	11/15/2016	--	5.5	--	3.07	8.57	--	--
DPE-34	2/16/2017	--	4.43	--	4.5	8.93	--	--
DPE-34	5/16/2017	--	5.16	--	4.42	9.58	--	--
DPE-34	5/24/2017	17.86	5.69	12.17	4.15	9.84	8.02	--
DPE-34	7/11/2017	--	6.21	--	3.47	9.68	--	--
DPE-34	9/26/2017	20.62	8.72	11.9	0.54	9.26	11.79	--
DPE-34	12/11/2017	20.62	4.02	16.6	0.33	4.35	16.53	--
DPE-34	2/26/2018	20.62	6.14	14.48	0.28	6.42	14.42	--
DPE-34	6/11/2018	20.62	7.50	13.12	0.08	7.58	13.10	--
DPE-35	7/11/2016	--	8.82	--	2.48	11.30	--	--
DPE-35	5/30/2017	--	7.38	--	5.42	12.80	--	--
DPE-35	7/11/2017	--	7.93	--	5.56	13.49	--	--
DPE-35	12/11/2017	--	5.03	--	8.49	13.52	--	--
DPE-35	6/11/2018	--	8.60	--	2.92	11.52	--	--
DPE-36	7/11/2016	--	8.94	--	0.77	9.71	--	--
DPE-36	7/11/2017	--	7.69	--	1.69	9.38	--	--
DPE-36	12/11/2017	--	6.15	--	0.06	6.21	--	--
DPE-36	6/11/2018	--	--	--	--	8.66	--	--
DPE-37	11/15/2016	--	--	--	--	6.62	--	--
DPE-37	2/16/2017	--	--	--	--	6.06	--	--
DPE-37	5/24/2017	12.12	--	--	--	7.11	5.01	--
DPE-37	7/11/2017	--	--	--	--	7.74	--	--
DPE-37	9/26/2017	20.80	--	--	--	9.21	11.59	--
DPE-37	12/11/2017	20.80	--	--	--	3.45	17.35	--
DPE-37	2/26/2018	20.80	--	--	--	6.88	13.92	--
DPE-37	6/11/2018	20.80	--	--	--	8.40	12.40	--
DPE-38	11/15/2016	--	4.65	--	1.7	6.35	--	--
DPE-38	2/16/2017	--	3.43	--	4.17	7.60	--	--
DPE-38	5/16/2017	--	3.69	--	5.66	9.35	--	--
DPE-38	5/24/2017	15.20	4.79	10.41	0.01	4.80	10.41	--
DPE-38	7/11/2017	--	--	--	--	5.32	--	--
DPE-38	9/26/2017	20.28	--	--	--	7.09	13.19	--
DPE-38	12/11/2017	20.28	--	--	--	2.87	17.41	--
DPE-38	2/26/2018	20.28	--	--	--	5.41	14.87	--
DPE-38	6/11/2018	20.28	--	--	--	6.57	13.71	--
DPE-39	11/15/2016	--	6.46	--	3.89	10.35	--	--
DPE-39	2/16/2017	--	6	--	5.99	11.99	--	--
DPE-39	5/16/2017	--	6.45	--	5.6	12.05	--	--
DPE-39	5/24/2017	23.98	6.74	17.24	7.36	14.10	15.77	--
DPE-39	7/11/2017	--	7.75	--	6.57	14.32	--	--
DPE-39	9/26/2017	20.96	9.82	11.14	2.22	12.04	10.70	--
DPE-39	12/11/2017	20.96	4.85	16.11	8.59	13.44	14.39	--
DPE-39	2/26/2018	20.96	7.06	13.9	5.81	12.87	12.74	--
DPE-39	6/11/2018	20.96	8.66	12.3	3.53	12.19	11.59	--
DPE-40	7/11/2016	--	8.75	--	1.7	10.45	--	--
DPE-40	7/11/2017	--	7.57	--	3.37	10.94	--	--
DPE-40	12/11/2017	--	4.82	--	6.89	11.71	--	--
DPE-40	6/11/2018	--	8.46	--	1.94	10.40	--	--
DPE-41	7/11/2016	--	9.29	--	1.42	10.71	--	--
DPE-41	7/11/2017	--	7.93	--	3.25	11.18	--	--
DPE-41	12/11/2017	--	5.37	--	6.61	11.98	--	--
DPE-41	6/11/2018	--	8.84	--	2.08	10.92	--	--
DPE-42	11/15/2016	--	--	--	--	5.81	--	--
DPE-42	2/16/2017	--	--	--	--	5.00	--	--
DPE-42	5/24/2017	10.00	--	--	--	6.58	3.42	--
DPE-42	7/11/2017	--	--	--	--	8.78	--	--
DPE-42	9/26/2017	20.94	--	--	--	9.30	11.64	--
DPE-42	12/11/2017	20.94	--	--	--	5.27	15.67	--
DPE-42	2/26/2018	20.94	--	--	--	7.32	13.62	--
DPE-42	6/11/2018	20.94	--	--	--	8.69	12.25	--
DPE-43	11/15/2016	--	5.07	--	2.68	7.75	--	--
DPE-43	2/16/2017	--	4.23	--	4.35	8.58	--	--
DPE-43	5/16/2017	--	4.57	--	5.96	10.53	--	--
DPE-43	5/24/2017	17.16	5.73	11.43	0.63	6.36	11.30	--
DPE-43	7/11/2017	--	6.84	--	0.02	6.86	--	--
DPE-43	9/26/2017	21.15	8.2	12.95	0.07	8.27	12.88	--
DPE-43	12/11/2017	21.15	--	--	--	3.12	18.03	--
DPE-43	2/26/2018	21.15	4.62	16.53	0.06	4.68	16.52	--
DPE-43	6/11/2018	21.15	6.67	14.48	0.13	6.80	14.45	--
DPE-44	7/11/2016	--	--	--	--	6.60	--	--
DPE-44	12/11/2017	--	--	--	--	5.55	--	--
DPE-44	6/11/2018	--	--	--	--	6.12	--	--
DPE-45	11/15/2016	--	6.65	--	0.37	7.02	--	--

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
DPE-45	2/16/2017	--	6.54	--	0.54	7.08	--	--
DPE-45	5/24/2017	14.16	7.41	6.75	0.79	8.20	6.59	--
DPE-45	7/11/2017	--	8.89	--	0.82	9.71	--	--
DPE-45	9/26/2017	21.10	9.95	11.15	0.68	10.63	11.01	--
DPE-45	12/11/2017	21.10	6.91	14.19	0.25	7.16	14.14	--
DPE-45	2/26/2018	21.10	7.36	13.74	0.6	7.96	13.60	--
DPE-45	6/11/2018	21.10	8.70	12.4	0.43	9.13	12.31	--
DPE-46	7/8/2016	--	9.25	--	9.95	19.20	--	--
DPE-46	5/16/2017	--	7.33	--	6.22	13.55	--	--
DPE-46	7/11/2017	--	9.02	--	1.18	10.20	--	--
DPE-46	12/11/2017	--	5.71	--	0.55	6.26	--	--
DPE-46	6/11/2018	--	--	--	--	9.36	--	--
DPE-47	11/15/2016	--	--	--	--	4.75	--	--
DPE-47	2/16/2017	--	--	--	--	3.57	--	--
DPE-47	5/24/2017	7.14	--	--	--	4.68	2.46	--
DPE-47	7/11/2017	--	--	--	--	6.06	--	--
DPE-47	9/26/2017	21.06	--	--	--	7.93	13.13	--
DPE-47	12/11/2017	21.06	--	--	--	3.47	17.59	--
DPE-47	2/26/2018	21.06	--	--	--	4.68	16.38	--
DPE-47	6/11/2018	21.06	--	--	--	6.31	14.75	--
DPE-48	7/8/2016	--	10.3	--	1.45	11.75	--	--
DPE-48	7/11/2017	--	9.96	--	2.19	12.15	--	--
DPE-48	12/11/2017	--	--	--	--	7.42	--	--
DPE-48	6/11/2018	--	--	--	--	10.16	--	--
DPE-49	7/8/2016	--	9.4	--	3.14	12.54	--	--
DPE-49	5/16/2017	--	7.58	--	3.47	11.05	--	--
DPE-49	7/11/2017	--	8.5	--	3.88	12.38	--	--
DPE-49	12/11/2017	--	5.78	--	7.74	13.52	--	--
DPE-49	6/11/2018	--	9.08	--	2.62	11.70	--	--
DPE-50	7/8/2016	--	10.38	--	0.92	11.30	--	--
DPE-50	7/11/2017	--	--	--	--	9.87	--	--
DPE-50	12/11/2017	--	7.31	--	0.02	7.33	--	--
DPE-50	6/11/2018	--	--	--	--	10.26	--	--
DPE-51	7/8/2016	--	10.4	--	0.18	10.58	--	--
DPE-51	7/11/2017	--	9.46	--	0.24	9.70	--	--
DPE-51	6/11/2018	--	10.76	--	0.04	10.80	--	--
DPE-52	7/8/2016	--	9.65	--	2.8	12.45	--	--
DPE-52	5/15/2017	--	7.96	--	3.62	11.58	--	--
DPE-52	7/11/2017	--	9.13	--	0.07	9.20	--	--
DPE-52	12/11/2017	--	6.98	--	0.02	7.00	--	--
DPE-52	6/11/2018	--	10.19	--	0.14	10.33	--	--
DPE-53	11/15/2016	--	--	--	--	7.19	--	--
DPE-53	2/16/2017	--	--	--	--	6.76	--	--
DPE-53	5/24/2017	13.52	--	--	--	7.97	5.55	--
DPE-53	7/11/2017	--	--	--	--	8.37	--	--
DPE-53	9/26/2017	21.15	--	--	--	10.14	11.01	--
DPE-53	12/11/2017	21.15	--	--	--	6.07	15.08	--
DPE-53	2/26/2018	21.15	--	--	--	7.75	13.40	--
DPE-53	6/11/2018	21.15	--	--	--	8.95	12.20	--
DPE-54	7/11/2016	--	9.86	--	2.33	12.19	--	--
DPE-54	5/30/2017	--	8	--	6.03	14.03	--	--
DPE-54	7/11/2017	--	8.86	--	2.87	11.73	--	--
DPE-54	12/11/2017	--	6.94	--	1.88	8.82	--	--
DPE-54	6/11/2018	--	9.92	--	0.09	10.01	--	--
DPE-55	11/15/2016	--	--	--	--	6.13	--	--
DPE-55	2/16/2017	--	--	--	--	4.67	--	--
DPE-55	5/24/2017	9.34	--	--	--	7.78	1.56	--
DPE-55	7/11/2017	--	--	--	--	9.75	--	--
DPE-55	9/26/2017	21.62	--	--	--	10.91	10.71	--
DPE-55	12/11/2017	21.62	--	--	--	6.73	14.89	--
DPE-55	2/26/2018	21.62	--	--	--	7.13	14.49	--
DPE-55	6/11/2018	21.62	--	--	--	9.18	12.44	--
DPE-56	7/11/2016	--	9.81	--	3.19	13.00	--	--
DPE-56	5/15/2017	--	7.98	--	5.19	13.17	--	--
DPE-56	7/11/2017	--	9.44	--	0.59	10.03	--	--
DPE-56	12/11/2017	--	7.37	--	0.39	7.76	--	--
DPE-56	6/11/2018	--	10.15	--	0.17	10.32	--	--
DPE-57	11/15/2016	--	6.94	--	2.78	9.72	--	--
DPE-57	2/16/2017	--	6.65	--	3.17	9.82	--	--
DPE-57	5/15/2017	--	7.6	--	3.2	10.80	--	--
DPE-57	5/24/2017	19.64	8.3	11.34	1.38	9.68	11.06	--
DPE-57	7/11/2017	--	--	--	--	8.87	--	--
DPE-57	9/26/2017	21.46	10.01	11.45	0.35	10.36	11.38	--
DPE-57	12/11/2017	21.46	6.48	14.98	0.25	6.73	14.93	--
DPE-57	2/26/2018	21.46	8.19	13.27	0.47	8.66	13.18	--
DPE-57	6/11/2018	21.46	9.40	12.06	0.31	9.71	12.00	--
HA-1	1/27/1993	19.50	--	--	--	5.94	13.56	--
HA-1	3/12/1993	19.50	--	--	--	8.54	10.96	--
HA-1	4/14/1993	19.50	--	--	--	6.47	13.03	--
HA-1	12/15/1993	19.50	--	--	--	5.54	13.96	--

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-1	11/4/1994	19.50	--	--	--	10.30	9.20	--
HA-1	2/22/1995	19.50	--	--	--	5.11	14.39	--
HA-1	6/16/1995	19.50	--	--	--	8.33	11.17	--
HA-1	10/20/1995	19.50	--	--	--	5.48	14.02	--
HA-1	4/4/1996	19.50	--	--	--	5.81	13.69	--
HA-1	4/16/1996	19.50	--	--	--	5.78	13.72	--
HA-1	5/1/1997	19.50	--	--	--	5.59	13.91	--
HA-1	9/17/1997	19.50	--	--	--	5.50	14.00	--
HA-1	4/29/1998	19.50	--	--	--	5.83	13.67	--
HA-1	5/24/2000	19.50	--	--	--	6.20	13.30	--
HA-1	5/23/2001	19.50	--	--	--	6.30	13.20	--
HA-1	6/4/2002	19.50	--	--	--	6.40	13.10	--
HA-1	5/28/2003	19.50	--	--	--	6.45	13.05	--
HA-1	6/15/2004	19.50	--	--	--	5.80	13.70	--
HA-1	6/22/2005	19.50	--	--	--	5.77	13.73	--
HA-1	6/5/2006	19.50	--	--	--	5.00	14.50	--
HA-1	10/23/2006	19.50	--	--	--	5.97	13.53	--
HA-1	3/14/2007	20.76	--	--	--	3.42	17.34	--
HA-1	9/10/2007	20.76	--	--	--	4.46	16.30	--
HA-1	11/28/2007	20.76	--	--	--	7.32	13.44	13.44
HA-1	12/13/2007	20.76	--	--	--	3.83	16.93	16.93
HA-1	1/21/2008	20.76	--	--	--	3.87	16.89	16.89
HA-1	2/24/2008	20.76	--	--	--	4.46	16.30	16.30
HA-1	3/24/2008	20.76	--	--	--	3.06	17.70	17.70
HA-1	6/2/2008	20.76	--	--	--	4.83	15.93	--
HA-1	8/25/2008	20.76	--	--	--	3.33	17.43	17.43
HA-1	2/18/2009	20.76	--	--	Not Monitored			NM
HA-1	8/25/2009	20.76	--	--	Not Monitored			NM
HA-1	3/22/2010	20.76	--	--	--	3.94	16.82	16.82
HA-1	8/23/2010	20.76	--	--	--	6.68	14.08	14.08
HA-1	2/7/2011	20.76	--	--	--	3.88	16.88	--
HA-1	5/27/2011	20.76	--	--	--	3.76	17.00	--
HA-1	8/8/2011	20.76	--	--	--	6.10	14.66	--
HA-1	11/14/2011	20.76	--	--	--	4.01	16.75	--
HA-1	2/20/2012	20.76	--	--	--	3.01	17.75	--
HA-1	8/22/2012	20.76	--	--	--	7.42	13.34	--
HA-1	11/5/2012	20.76	--	--	--	2.98	17.78	--
HA-1	1/28/2013	20.76	--	--	--	3.17	17.59	--
HA-1	5/9/2013	20.76	--	--	--	4.37	16.39	--
HA-1	8/19/2013	20.76	--	--	--	7.83	12.93	--
HA-1	11/25/2013	20.76	--	--	--	3.61	17.15	--
HA-1	2/14/2014	20.76	--	--	--	2.12	18.64	--
HA-1	5/5/2014	20.76	--	--	--	3.24	17.52	--
HA-1	8/19/2014				Decommissioned Well			
HA-2	1/27/1993	18.17	--	--	--	5.80	12.37	--
HA-2	4/14/1993	18.17	--	--	--	7.12	11.05	--
HA-2	12/15/1993	18.17	--	--	--	7.84	10.33	--
HA-2	11/4/1994	18.17	--	--	--	8.45	9.72	--
HA-2	2/22/1995	18.17	--	--	--	6.39	11.78	--
HA-2	6/16/1995	18.17	--	--	--	7.03	11.14	--
HA-2	10/20/1995	18.17	--	--	--	7.29	10.88	--
HA-2	4/4/1996	18.17	--	--	--	5.43	12.74	--
HA-2	4/16/1996	18.17	--	--	--	5.17	13.00	--
HA-2	4/2/1997	18.17	--	--	--	6.80	11.37	--
HA-2	5/1/1997	18.17	--	--	--	6.98	11.19	--
HA-2	9/18/1997	18.17	--	--	--	7.34	10.83	--
HA-2	4/30/1998	18.17	--	--	--	6.74	11.43	--
HA-2	7/30/1999	18.17	--	--	--	7.03	11.14	--
HA-2	5/23/2000	18.17	--	--	--	6.94	11.23	--
HA-2	5/23/2001	18.17	--	--	--	7.50	10.67	--
HA-2	6/4/2002	18.17	--	--	--	6.45	11.72	--
HA-2	5/27/2003	18.17	--	--	sheen	7.40	10.77	--
HA-2	6/16/2004	18.17	--	--	--	7.84	10.33	--
HA-2	6/21/2005	18.17	--	--	--	6.41	11.76	--
HA-2	6/5/2006	18.17	--	--	--	6.22	11.95	--
HA-2	10/23/2006	18.17	--	--	--	7.84	10.33	--
HA-2	3/14/2007	21.09	--	--	--	5.69	15.40	--
HA-2	9/10/2007	21.09	--	--	--	7.89	13.20	--
HA-2	11/28/2007	21.09	--	--	--	7.53	13.56	13.56
HA-2	12/13/2007	21.09	6.95	14.14	0.36	7.31	14.05	14.32
HA-2	1/21/2008	21.09	--	--	--	6.35	14.74	14.74
HA-2	2/24/2008	21.09	--	--	--	6.31	14.78	14.78
HA-2	3/24/2008	21.09	--	--	--	6.65	14.44	14.44
HA-2	6/2/2008	21.09	--	--	--	7.12	13.97	--
HA-2	8/25/2008	21.09	--	--	--	7.77	13.32	13.32
HA-2	2/18/2009	21.09	--	--	Not Monitored			NM
HA-2	8/25/2009	21.09	--	--	Not Monitored			NM
HA-2	3/22/2010	21.09	--	--	--	5.93	15.16	15.16
HA-2	8/23/2010	21.09	--	--	--	6.61	14.48	14.48
HA-2	2/7/2011	21.09	--	--	--	6.20	14.89	--
HA-2	5/27/2011	21.09	--	--	--	6.35	14.74	--
HA-2	8/8/2011	21.09	--	--	--	7.22	13.87	--
HA-2	11/14/2011	21.09	--	--	--	7.70	13.39	--
HA-2	2/20/2012	21.09	--	--	--	6.10	14.99	--
HA-2	8/22/2012	21.09	--	--	--	7.29	13.80	--
HA-2	11/5/2012	21.09	--	--	--	7.37	13.72	--
HA-2	1/28/2013	21.09	--	--	--	5.42	15.67	--
HA-2	5/9/2013	21.09	--	--	--	6.54	14.55	--
HA-2	8/19/2013	21.09	--	--	--	7.66	13.43	--
HA-2	11/25/2013	21.09	--	--	--	4.56	16.53	--
HA-2	2/14/2014	21.09	--	--	--	6.25	14.84	--
HA-2	5/5/2014	21.09	--	--	--	5.04	16.05	--

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Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-2	8/19/2014							
					Decommissioned Well			
HA-3	1/27/1993	21.03	--	--	--	8.65	12.38	--
HA-3	3/12/1993	21.03	--	--	--	9.01	12.02	--
HA-3	4/14/1993	21.03	--	--	--	8.61	12.42	--
HA-3	12/15/1993	21.03	--	--	--	9.22	11.81	--
HA-3	11/4/1994	21.03	--	--	--	10.26	10.77	--
HA-3	2/22/1995	21.03	--	--	--	8.35	12.68	--
HA-3	6/16/1995	21.03	--	--	--	9.31	11.72	--
HA-3	10/20/1995	21.03	--	--	--	9.46	11.57	--
HA-3	4/4/1996	21.03	--	--	--	7.95	13.08	--
HA-3	4/16/1996	21.03	--	--	--	8.10	12.93	--
HA-3	4/2/1997	21.03	--	--	--	6.70	14.33	--
HA-3	5/1/1997	21.03	--	--	--	8.44	12.59	--
HA-3	9/18/1997	21.03	--	--	--	9.34	11.69	--
HA-3	4/30/1998	21.03	--	--	--	9.20	11.83	--
HA-3	5/23/2000	21.03	--	--	--	9.25	11.78	--
HA-3	5/23/2001	21.03	--	--	--	9.18	11.85	--
HA-3	6/4/2002	21.03	--	--	--	9.07	11.96	--
HA-3	5/27/2003	21.03	--	--	--	9.30	11.73	--
HA-3	6/22/2005	21.03	--	--	--	8.94	12.09	--
HA-3	6/5/2006	21.03	--	--	--	8.91	12.12	--
HA-3	10/23/2006	21.03	--	--	--	9.66	11.37	--
HA-3	3/14/2007	21.09	--	--	--	5.42	15.67	--
HA-3	9/10/2007	21.09	--	--	--	6.70	14.39	--
HA-3	11/28/2007	21.09	--	--	--	6.91	14.18	14.18
HA-3	12/13/2007	21.09	5.90	15.19	0.90	6.80	14.97	15.64
HA-3	1/21/2008	21.09	--	--	--	5.96	15.13	15.13
HA-3	2/24/2008	21.09	--	--	--	5.77	15.32	15.32
HA-3	3/24/2008	21.09	--	--	--	6.07	15.02	15.02
HA-3	6/2/2008	21.09	--	--	--	6.36	14.73	--
HA-3	8/25/2008	21.09	--	--	--	6.30	14.79	14.79
HA-3	2/18/2009	21.09	--	--				NM
HA-3	8/25/2009	21.09	--	--				NM
HA-3	3/22/2010	21.09	--	--		5.44	15.65	16.65
HA-3	8/23/2010	21.09	--	--		6.34	14.75	14.75
HA-3	2/7/2011	21.09	--	--		5.31	15.78	--
HA-3	5/27/2011	21.09	--	--		5.67	15.42	--
HA-3	8/8/2011	21.09	--	--		6.45	14.64	--
HA-3	11/14/2011	21.09	--	--		6.33	14.76	--
HA-3	2/20/2012	21.09	--	--		5.20	15.89	--
HA-3	8/22/2012	21.09	--	--		6.56	14.53	--
HA-3	11/5/2012	21.09	--	--		5.41	15.68	--
HA-3	1/28/2013	21.09	--	--		5.47	15.62	--
HA-3	5/9/2013	21.09	--	--		5.97	15.12	--
HA-3	8/19/2013	21.09	--	--		6.60	14.49	--
HA-3	11/25/2013	21.09	--	--		4.07	17.02	--
HA-3	2/14/2014	21.09	--	--		4.68	16.41	--
HA-3	5/5/2014	21.09	--	--		4.66	16.43	--
HA-3	8/19/2014							
					Decommissioned Well			
HA-4	1/27/1993	20.24	--	--	--	7.68	12.56	--
HA-4	3/12/1993	20.24	--	--	--	8.56	11.68	--
HA-4	4/14/1993	20.24	--	--	--	8.02	12.22	--
HA-4	12/15/1993	20.24	--	--	--	8.41	11.83	--
HA-4	11/4/1994	20.24	--	--	--	10.14	10.10	--
HA-4	2/22/1995	20.24	--	--	--	7.09	13.15	--
HA-4	6/16/1995	20.24	--	--	--	8.78	11.46	--
HA-4	10/20/1995	20.24	--	--	--	8.54	11.70	--
HA-4	4/4/1996	20.24	--	--	--	7.68	12.56	--
HA-4	4/16/1996	20.24	--	--	--	7.11	13.13	--
HA-4	4/2/1997	20.24	--	--	--	8.00	12.24	--
HA-4	5/1/1997	20.24	--	--	--	5.49	14.75	--
HA-4	9/18/1997	20.24	--	--	--	7.70	12.54	--
HA-4	4/30/1998	20.24	--	--	--	8.67	11.57	--
HA-4	5/23/2000	20.24	--	--	--	7.35	12.89	--
HA-4	5/23/2001	20.24	--	--	--	8.95	11.29	--
HA-4	6/4/2002	20.24	--	--	--	6.45	13.79	--
HA-4	5/27/2003	20.24	--	--	--	8.64	11.60	--
HA-4	6/16/2004	20.24	--	--	--	8.67	11.57	--
HA-4	6/22/2005	20.24	--	--	--	8.58	11.66	--
HA-4	6/5/2006	20.24	--	--	--	8.04	12.20	--
HA-4	10/23/2006	20.24	--	--	--	9.00	11.24	--
HA-4	3/14/2007	21.05	--	--	--	5.06	15.99	--
HA-4	9/10/2007	21.05	--	--	--	6.77	14.28	--
HA-4	11/28/2007	21.05	--	--	--	5.42	15.63	15.63
HA-4	12/13/2007	21.05	--	--	--	6.20	14.85	14.85
HA-4	1/21/2008	21.05	--	--	--	5.08	15.97	15.97
HA-4	2/24/2008	21.05	--	--	--	5.78	15.27	15.27
HA-4	3/24/2008	21.05	--	--	--	5.15	15.90	15.90
HA-4	6/2/2008	21.05	--	--	--	6.37	14.68	--
HA-4	8/25/2008	21.05	--	--	--	4.15	16.90	16.90
HA-4	2/18/2009	21.05	--	--				NM
HA-4	8/25/2009	21.05	--	--				NM
HA-4	3/22/2010	21.05	--	--		5.69	15.36	15.36
HA-4	8/23/2010	21.05	--	--		6.75	14.30	14.30
HA-4	2/7/2011	21.05	--	--		5.17	15.88	--
HA-4	5/27/2011	21.05	--	--		5.61	15.44	--
HA-4	8/8/2011	21.05	--	--		6.63	14.42	--
HA-4	11/14/2011	21.05	--	--		4.71	16.34	--
HA-4	2/20/2012	21.05	--	--		4.90	16.15	--
HA-4	8/22/2012	21.05	--	--		10.72	10.33	--
HA-4	11/5/2012	21.05	--	--		3.98	17.07	--

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Phillips 66 Company
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HA-4	1/28/2013	21.05	--	--	--	3.54	17.51	--
HA-4	5/9/2013	21.05	--	--	--	6.08	14.97	--
HA-4	8/19/2013	21.05	--	--	--	6.88	14.17	--
HA-4	11/25/2013	21.05	--	--	--	5.83	15.22	--
HA-4	2/14/2014	21.05	--	--	--	3.65	17.40	--
HA-4	5/5/2014	21.05	--	--	--	4.84	16.21	--
HA-4	8/19/2014				Decommissioned Well			
HA-5	1/27/1993	18.07	--	--	--	4.50	13.57	--
HA-5	3/12/1993	18.07	--	--	--	6.22	11.85	--
HA-5	4/14/1993	18.07	--	--	--	5.13	12.94	--
HA-5	12/15/1993	18.07	--	--	--	6.39	11.68	--
HA-5	11/4/1994	18.07	--	--	--	7.86	10.21	--
HA-5	2/22/1995	18.07	--	--	--	3.67	14.40	--
HA-5	6/16/1995	18.07	--	--	--	6.70	11.37	--
HA-5	10/20/1995	18.07	--	--	--	6.41	11.66	--
HA-5	4/4/1996	18.07	--	--	--	4.88	13.19	--
HA-5	4/16/1996	18.07	--	--	--	4.91	13.16	--
HA-5	5/1/1997	18.07	--	--	--	5.04	13.03	--
HA-5	9/18/1997	18.07	--	--	--	5.90	12.17	--
HA-5	5/1/1998	18.07	--	--	--	5.98	12.09	--
HA-5	7/29/1999	18.07	--	--	--	6.53	11.54	--
HA-5	5/23/2000	18.07	--	--	--	6.22	11.85	--
HA-5	5/22/2001	18.07	--	--	--	6.09	11.98	--
HA-5	6/5/2002	18.07	--	--	--	6.08	11.99	--
HA-5	11/24/2002	21.13	--	--	--	6.80	14.33	14.33
HA-5	1/17/2003	21.13	4.37	16.76	0.00	4.37	16.76	16.76
HA-5	1/20/2003	21.13	--	--	--	4.58	16.55	16.55
HA-5	1/31/2003	21.13	--	--	--	4.49	16.64	16.64
HA-5	2/7/2003	21.13	--	--	--	4.46	16.67	16.67
HA-5	2/12/2003	21.13	--	--	--	4.93	16.20	16.20
HA-5	2/18/2003	21.13	--	--	--	5.30	15.83	15.83
HA-5	2/21/2003	21.13	--	--	--	5.14	15.99	15.99
HA-5	2/24/2003	21.13	--	--	--	5.23	15.90	15.90
HA-5	3/4/2003	21.13	--	--	--	5.55	15.58	15.58
HA-5	3/12/2003	21.13	--	--	--	5.24	15.89	15.89
HA-5	3/14/2003	21.13	5.25	15.88	0.01	5.26	15.88	15.89
HA-5	3/26/2003	21.13	--	--	--	4.41	16.72	16.72
HA-5	3/28/2003	21.13	--	--	--	4.98	16.15	16.15
HA-5	4/2/2003	21.13	--	--	--	5.00	16.13	16.13
HA-5	4/4/2003	21.13	--	--	--	5.44	15.69	15.69
HA-5	4/8/2003	21.13	--	--	--	5.49	15.64	15.64
HA-5	4/11/2003	21.13	--	--	--	5.53	15.60	15.60
HA-5	4/15/2003	21.13	--	--	--	5.06	16.07	16.07
HA-5	4/17/2003	21.13	--	--	--	5.70	15.43	15.43
HA-5	4/22/2003	21.13	--	--	--	5.54	15.59	15.59
HA-5	4/25/2003	21.13	--	--	--	5.92	15.21	15.21
HA-5	5/2/2003	21.13	--	--	--	5.98	15.15	15.15
HA-5	5/6/2003	21.13	--	--	--	6.02	15.11	15.11
HA-5	5/9/2003	21.13	--	--	--	6.34	14.79	14.79
HA-5	5/23/2003	21.13	--	--	--	6.95	14.18	14.18
HA-5	5/28/2003	21.13	--	--	--	6.85	14.28	14.28
HA-5	6/13/2003	21.13	--	--	--	7.22	13.91	13.91
HA-5	6/18/2003	21.13	--	--	--	7.16	13.97	13.97
HA-5	6/27/2003	21.13	--	--	--	7.14	13.99	13.99
HA-5	7/7/2003	21.13	--	--	--	7.47	13.66	13.66
HA-5	7/16/2003	21.13	--	--	--	7.57	13.56	13.56
HA-5	7/31/2003	21.13	7.82	13.31	0.01	7.83	13.31	13.32
HA-5	8/5/2003	21.13	--	--	--	7.90	13.23	13.23
HA-5	8/11/2003	21.13	--	--	--	9.01	12.12	12.12
HA-5	8/22/2003	21.13	9.24	11.89	0.01	9.25	11.89	11.90
HA-5	8/26/2003	21.13	--	--	--	8.19	12.94	12.94
HA-5	9/2/2003	21.13	--	--	--	8.48	12.65	12.65
HA-5	9/9/2003	21.13	--	--	--	8.93	12.20	12.20
HA-5	9/19/2003	21.13	8.80	12.33	0.01	8.81	12.33	12.34
HA-5	10/14/2003	21.13			Not Monitored			--
HA-5	11/20/2003	21.13			Not Monitored			--
HA-5	12/3/2003	21.13	--	--	--	4.44	16.69	16.69
HA-5	1/19/2004	21.13	--	--	--	3.99	17.14	17.14
HA-5	2/24/2004	21.13	--	--	--	5.26	15.87	15.87
HA-5	3/15/2004	21.13	--	--	--	6.11	15.02	15.02
HA-5	4/19/2004	21.13	--	--	--	6.62	14.51	14.51
HA-5	5/17/2004	21.13	--	--	--	7.15	13.98	13.98
HA-5	6/16/2004	21.13	--	--	--	7.01	14.12	--
HA-5	6/22/2004	21.13	--	--	--	6.98	14.15	14.15
HA-5	8/18/2004	21.13	8.10	13.03	0.01	8.11	13.03	13.04
HA-5	9/21/2004	21.13	--	--	--	6.97	14.16	14.16
HA-5	10/19/2004	21.13	--	--	--	6.28	14.85	14.85
HA-5	11/23/2004	21.13	--	--	--	6.52	14.61	14.61
HA-5	12/21/2004	21.13	--	--	--	4.56	16.57	16.57
HA-5	1/13/2005	21.13	--	--	--	5.84	15.29	15.29
HA-5	4/28/2005	21.13	--	--	--	4.88	16.25	16.25
HA-5	6/1/2005	21.13	--	--	--	5.17	15.96	15.96
HA-5	6/20/2005	21.13	--	--	--	5.82	15.31	--
HA-5	6/29/2005	21.13	--	--	--	6.59	14.54	14.54
HA-5	7/20/2005	21.13	--	--	--	7.00	14.13	14.13
HA-5	8/22/2005	21.13	--	--	--	7.20	13.93	13.93
HA-5	9/12/2005	21.13	--	--	--	7.82	13.31	13.31
HA-5	10/12/2005	21.13	--	--	--	8.35	12.78	12.78
HA-5	11/21/2005	21.13	6.02	15.11	0.01	6.03	15.11	15.12
HA-5	12/27/2005	21.13			Not Monitored			NM
HA-5	1/30/2006	21.13	--	--	--	6.10	15.03	15.03
HA-5	2/16/2006	21.13	--	--	--	3.97	17.16	17.16

Table 5

**Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-5	3/13/2006	21.13	--	--	--	4.94	16.19	16.19
HA-5	4/18/2006	21.13	--	--	--	5.28	15.85	15.85
HA-5	5/12/2006	21.13	--	--	--	5.70	15.43	15.43
HA-5	6/5/2006	21.13	--	--	--	5.42	15.71	--
HA-5	6/9/2006	21.13	--	--	--	5.31	15.82	15.82
HA-5	7/13/2006	21.13	--	--	--	6.39	14.74	14.74
HA-5	8/16/2006	21.13	--	--	--	7.35	13.78	13.78
HA-5	9/19/2006	21.13	--	--	--	7.80	13.33	13.33
HA-5	10/13/2006	21.13	--	--	--	7.52	13.61	13.61
HA-5	10/23/2006	21.13	--	--	--	7.54	13.59	--
HA-5	11/20/2006	21.13	--	--	--	3.70	17.43	17.43
HA-5	12/8/2006	21.13	--	--	--	4.69	16.44	16.44
HA-5	1/19/2007	21.13	--	--	--	3.22	17.91	17.91
HA-5	2/19/2007	21.13	--	--	--	5.25	15.88	15.88
HA-5	3/14/2007	21.13	--	--	--	4.38	16.75	--
HA-5	3/15/2007	21.13	--	--	--	4.31	16.82	16.82
HA-5	4/16/2007	21.13	--	--	--	4.76	16.37	16.37
HA-5	5/14/2007	21.13	--	--	--	6.05	15.08	15.08
HA-5	6/29/2007	21.13	--	--	--	7.17	13.96	13.96
HA-5	7/20/2007	21.13	--	--	--	7.57	13.56	13.56
HA-5	8/21/2007	21.13	--	--	--	8.15	12.98	12.98
HA-5	9/10/2007	21.13	--	--	--	8.24	12.89	12.89
HA-5	10/22/2007	21.13	--	--	--	6.92	14.21	14.21
HA-5	11/28/2007	21.13	--	--	--	6.33	14.80	14.80
HA-5	12/13/2007	21.13	--	--	--	5.08	16.05	16.05
HA-5	1/21/2008	21.13	--	--	--	4.96	16.17	16.17
HA-5	2/24/2008	21.13	--	--	--	5.73	15.40	15.40
HA-5	3/24/2008	21.13	--	--	--	8.99	12.14	12.14
HA-5	6/2/2008	21.13	--	--	--	7.04	14.09	--
HA-5	8/25/2008	21.13	--	--	--	7.65	13.48	13.48
HA-5	2/18/2009	21.13	--	--	Not Monitored			NM
HA-5	8/25/2009	21.13	--	--	Not Monitored			NM
HA-5	3/22/2010	21.13	--	--	--	5.56	15.57	15.57
HA-5	8/23/2010	21.13	--	--	--	7.47	13.66	13.66
HA-5	2/7/2011	21.13	--	--	--	6.63	14.50	--
HA-5	5/27/2011	21.13	--	--	Not Monitored			
HA-5	8/8/2011	21.13	--	--	--	7.35	13.78	--
HA-5	11/14/2011	21.13	--	--	--	7.03	14.1	--
HA-5	2/20/2012	21.13	--	--	--	4.63	16.5	--
HA-5	8/22/2012	21.13	--	--	--	7.10	14.03	--
HA-5	11/5/2012	21.13	--	--	--	5.78	15.35	--
HA-5	1/28/2013	21.13	--	--	--	4.33	16.80	--
HA-5	5/9/2013	21.13	--	--	--	5.26	15.87	--
HA-5	8/19/2013	21.13	--	--	--	7.81	13.32	--
HA-5	11/25/2013	21.13	--	--	--	5.50	15.63	--
HA-5	2/14/2014	21.13	--	--	--	4.85	16.28	--
HA-5	5/5/2014	21.13	--	--	--	3.78	17.35	--
HA-5	8/19/2014	21.13	--	--	--	7.59	13.54	--
HA-5	11/21/2014	21.13	--	--	--	5.25	15.88	--
HA-6	1/27/1993	18.16	--	--	--	4.58	13.58	--
HA-6	3/12/1993	18.16	--	--	--	6.46	11.70	--
HA-6	4/14/1993	18.16	--	--	--	5.55	12.61	--
HA-6	12/15/1993	18.16	--	--	--	7.15	11.01	--
HA-6	11/4/1994	18.16	--	--	--	8.42	9.74	--
HA-6	2/22/1995	18.16	--	--	--	4.98	13.18	--
HA-6	5/15/1995	18.16	--	--	--	5.86	12.30	--
HA-6	6/16/1995	18.16	--	--	--	6.62	11.54	--
HA-6	10/20/1995	18.16	--	--	--	6.86	11.30	--
HA-6	4/4/1996	18.16	--	--	--	4.68	13.48	--
HA-6	4/16/1996	18.16	--	--	--	4.60	13.56	--
HA-6	5/10/1996	18.16	--	--	--	4.20	13.96	--
HA-6	5/15/1996	18.16	--	--	--	4.02	14.14	--
HA-6	5/22/1996	18.16	--	--	--	4.97	13.19	--
HA-6	6/5/1996	18.16	--	--	--	5.79	12.37	--
HA-6	6/24/1996	18.16	--	--	--	6.78	11.38	--
HA-6	7/15/1996	18.16	--	--	--	7.51	10.65	--
HA-6	8/23/1996	18.16	--	--	--	8.09	10.07	--
HA-6	9/18/1996	18.16	--	--	--	8.37	9.79	--
HA-6	1/3/1997	18.16	--	--	--	2.84	15.32	--
HA-6	3/12/1997	18.16	--	--	--	4.54	13.62	--
HA-6	4/2/1997	18.16	--	--	--	4.85	13.31	--
HA-6	5/1/1997	18.16	--	--	--	5.35	12.81	--
HA-6	8/19/1997	18.16	--	--	--	7.40	10.76	--
HA-6	8/26/1997	18.16	--	--	--	7.60	10.56	--
HA-6	9/17/1997	18.16	--	--	--	6.44	11.72	--
HA-6	5/1/1998	18.16	--	--	--	5.95	12.21	--
HA-6	7/30/1999	18.16	--	--	--	6.54	11.62	--
HA-6	5/22/2000	18.16	--	--	--	6.21	11.95	--
HA-6	5/22/2001	18.16	--	--	--	6.36	11.80	--
HA-6	6/5/2002	18.16	--	--	--	6.00	12.16	--
HA-6	11/24/2002	21.43	--	--	--	7.12	14.31	14.31
HA-6	5/28/2003	21.43	--	--	sheen	6.93	14.50	--
HA-6	6/16/2004	21.43	--	--	--	7.45	13.98	--
HA-6	1/13/2005	21.43	--	--	--	5.56	15.87	15.87
HA-6	4/28/2005	21.43	--	--	--	4.81	16.62	16.62
HA-6	6/1/2005	21.43	--	--	--	5.05	16.38	16.38
HA-6	6/20/2005	21.43	--	--	--	5.76	15.67	--
HA-6	6/29/2005	21.43	--	--	--	6.52	14.91	14.91
HA-6	7/20/2005	21.43	--	--	--	7.21	14.22	14.22
HA-6	8/22/2005	21.43	--	--	--	7.40	14.03	10.76
HA-6	9/12/2005	21.43	--	--	--	7.82	13.61	13.61
HA-6	10/12/2005	21.43	--	--	--	8.62	12.81	12.81

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-6	11/21/2005	21.43	--	--	--	6.57	14.86	14.86
HA-6	12/27/2005	21.43	--	--	--	5.69	15.74	15.74
HA-6	1/30/2006	21.43	--	--	--	2.46	18.97	18.97
HA-6	2/16/2006	21.43	--	--	--	3.62	17.81	17.81
HA-6	3/13/2006	21.43	--	--	--	4.62	16.81	16.81
HA-6	4/18/2006	21.43	--	--	--	5.01	16.42	16.42
HA-6	5/12/2006	21.43	--	--	--	5.43	16.00	16.00
HA-6	6/5/2006	21.43	--	--	--	5.39	16.04	--
HA-6	6/9/2006	21.43	--	--	--	5.20	16.23	16.23
HA-6	7/13/2006	21.43	--	--	--	6.60	14.83	14.83
HA-6	8/16/2006	21.43	--	--	--	7.35	14.08	14.08
HA-6	9/19/2006	21.43	--	--	--	7.91	13.52	13.52
HA-6	10/13/2006	21.43	--	--	--	7.72	13.71	13.71
HA-6	10/23/2006	21.43	--	--	--	7.72	13.71	--
HA-6	11/20/2006	21.43	--	--	--	4.22	17.21	17.21
HA-6	12/8/2006	21.43	--	--	--	3.59	17.84	17.84
HA-6	1/19/2007	21.43	--	--	--	3.13	18.30	18.30
HA-6	2/19/2007	21.43	--	--	--	5.36	16.07	16.07
HA-6	3/14/2007	21.43	--	--	--	4.37	17.06	--
HA-6	3/15/2007	21.43	--	--	--	4.25	17.18	17.18
HA-6	4/16/2007	21.43	--	--	--	4.50	16.93	16.93
HA-6	5/14/2007	21.43	--	--	--	6.20	15.23	15.23
HA-6	6/29/2007	21.43	--	--	--	7.25	14.18	14.18
HA-6	7/20/2007	21.43	--	--	--	7.71	13.72	13.72
HA-6	8/21/2007	21.43	--	--	--	8.35	13.08	13.08
HA-6	9/10/2007	21.43	--	--	--	8.46	12.97	12.97
HA-6	10/22/2007	21.43	--	--	--	7.55	13.88	13.88
HA-6	11/28/2007	21.43	--	--	--	6.62	14.81	14.81
HA-6	12/13/2007	21.43	--	--	--	5.49	15.94	15.94
HA-6	1/21/2008	21.43	--	--	--	5.21	16.22	16.22
HA-6	2/24/2008	21.43	--	--	--	5.73	15.70	15.70
HA-6	3/24/2008	21.43	--	--	--	6.05	15.38	15.38
HA-6	6/2/2008	21.43	--	--	--	7.24	14.19	--
HA-6	8/25/2008	21.43	--	--	--	8.00	13.43	13.43
HA-6	2/18/2009	21.43	--	--	Not Monitored			NM
HA-6	8/25/2009	21.43	--	--	Not Monitored			NM
HA-6	3/22/2010	21.43	--	--	--	4.96	16.47	16.47
HA-6	8/23/2010	21.43	--	--	--	7.32	14.11	14.11
HA-6	2/7/2011	21.43	--	--	--	4.81	16.62	--
HA-6	5/27/2011	21.43	--	--	--	5.64	15.79	--
HA-6	8/8/2011	21.43	--	--	--	7.61	13.82	--
HA-6	11/14/2011	21.43	--	--	--	7.38	14.05	--
HA-6	2/20/2012	21.43	--	--	--	4.80	16.63	--
HA-6	8/22/2012	21.43	--	--	--	7.24	14.19	--
HA-6	11/5/2012	21.43	--	--	--	7.00	14.43	--
HA-6	5/9/2013	21.43	--	--	--	5.52	15.91	--
HA-6	8/19/2013	21.43	--	--	--	8.08	13.35	--
HA-6	11/25/2013	21.43	--	--	--	5.84	15.59	--
HA-6	2/14/2014	21.43	--	--	--	5.26	16.17	--
HA-6	5/5/2014	21.43	--	--	--	4.24	17.19	--
HA-6	8/19/2014				Decommissioned Well			
HA-7	1/27/1993	18.44	--	--	2.22	6.33	13.78	--
HA-7	3/12/1993	18.44	--	--	0.61	7.30	11.60	--
HA-7	4/14/1993	18.44	--	--	1.23	7.00	12.36	--
HA-7	6/30/1993	18.44	--	--	0.84	7.36	11.71	--
HA-7	12/15/99	18.44	--	--	0.55	7.80	11.05	--
HA-7	2/8/1994	18.44	--	--	0.50	6.14	12.68	--
HA-7	8/12/1994	18.44	--	--	0.53	9.09	9.75	--
HA-7	9/21/1994	18.44	--	--	0.47	9.39	9.40	--
HA-7	11/4/1994	18.44	--	--	0.51	9.15	9.67	--
HA-7	12/23/1994	18.44	--	--	0.19	4.07	14.51	--
HA-7	2/3/1995	18.44	--	--	0.40	3.94	14.80	--
HA-7	2/22/1995	18.44	--	--	0.48	4.75	14.05	--
HA-7	3/24/1995	18.44	--	--	0.45	5.30	13.48	--
HA-7	4/27/1995	18.44	--	--	0.50	5.85	12.97	--
HA-7	5/15/1995	18.44	--	--	0.55	6.44	12.41	--
HA-7	6/16/1995	18.44	--	--	0.58	7.16	11.72	--
HA-7	8/25/1995	18.44	--	--	0.42	7.72	11.04	--
HA-7	10/20/1995	18.44	--	--	0.40	7.45	11.29	--
HA-7	4/4/1996	18.44	--	--	0.63	5.38	13.53	--
HA-7	4/16/1996	18.44	--	--	0.62	5.17	13.74	--
HA-7	5/10/1996	18.44	--	--	0.64	4.89	14.03	--
HA-7	5/15/1996	18.44	--	--	0.63	4.62	14.29	--
HA-7	5/22/1996	18.44	--	--	0.86	6.35	12.74	--
HA-7	6/5/1996	18.44	--	--	0.72	6.92	12.06	--
HA-7	6/24/1996	18.44	--	--	0.67	7.72	11.22	--
HA-7	7/15/1996	18.44	--	--	0.57	8.32	10.55	--
HA-7	8/23/1996	18.44	--	--	0.55	8.90	9.95	--
HA-7	9/18/1996	18.44	--	--	0.57	9.19	9.68	--
HA-7	1/3/1997	18.44	--	--	0.66	3.67	15.27	--
HA-7	3/12/1997	18.44	--	--	0.83	5.86	13.20	--
HA-7	4/2/1997	18.44	--	--	0.78	6.17	12.86	--
HA-7	5/1/1997	18.44	--	--	0.83	6.58	12.48	--
HA-7	7/8/1997	18.44	--	--	0.06	5.67	12.82	--
HA-7	8/19/1997	18.44	--	--	--	7.62	10.82	--
HA-7	8/26/1997	18.44	--	--	0.05	7.93	10.55	--
HA-7	9/18/1997	18.44	--	--	0.06	8.70	9.79	--
HA-7	4/30/1998	18.44	--	--	0.08	6.07	12.43	--
HA-7	7/29/1999	18.44	--	--	--	6.82	11.62	--
HA-7	5/22/2000	18.44	--	--	--	6.18	12.26	--
HA-7	5/22/2001	18.44	--	--	--	6.74	11.70	--
HA-7	6/5/2002	18.44	--	--	--	6.11	12.33	--

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Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-7	11/24/2002	21.60	--	--	--	7.25	14.35	14.35
HA-7	5/28/2003	21.60	--	--	sheen	7.08	14.52	--
HA-7	6/15/2004	21.60	--	--	--	7.83	13.77	--
HA-7	1/13/2005	21.60	--	--	--	5.70	15.90	15.90
HA-7	4/28/2005	21.60	--	--	Not Monitored			NM
HA-7	6/1/2005	21.60	--	--	Not Monitored			NM
HA-7	6/20/2005	21.60	--	--	--	5.71	15.89	--
HA-7	6/29/2005	21.60	--	--	Not Monitored			NM
HA-7	7/20/2005	21.60	--	--	Not Monitored			NM
HA-7	8/22/2005	21.60	--	--	Not Monitored			NM
HA-7	9/12/2005	21.60	--	--	Not Monitored			NM
HA-7	10/12/2005	21.60	--	--	Not Monitored			NM
HA-7	11/21/2005	21.60	--	--	Not Monitored			NM
HA-7	12/27/2005	21.60	--	--	Not Monitored			NM
HA-7	1/30/2006	21.60	--	--	Not Monitored			NM
HA-7	2/16/2006	21.60	--	--	Not Monitored			NM
HA-7	3/13/2006	21.60	--	--	Not Monitored			NM
HA-7	4/18/2006	21.60	--	--	Not Monitored			NM
HA-7	5/12/2006	21.60	--	--	Not Monitored			NM
HA-7	6/5/2006	21.60	--	--	--	5.28	16.32	--
HA-7	6/9/2006	21.60	--	--	Not Monitored			NM
HA-7	7/13/2006	21.60	--	--	Not Monitored			NM
HA-7	8/16/2006	21.60	--	--	Not Monitored			NM
HA-7	9/19/2006	21.60	--	--	Not Monitored			NM
HA-7	10/13/2006	21.60	--	--	Not Monitored			NM
HA-7	10/23/2006	21.60	--	--	--	7.86	13.74	--
HA-7	11/20/2006	21.60	--	--	Not Monitored			NM
HA-7	12/8/2006	21.60	--	--	Not Monitored			NM
HA-7	1/19/2007	21.60	--	--	Not Monitored			NM
HA-7	1/19/2007	21.60	--	--	Not Monitored			NM
HA-7	1/19/2007	21.60	--	--	Not Monitored			NM
HA-7	3/14/2007	21.60	--	--	--	4.47	17.13	--
HA-7	4/16/2007	21.60	--	--	Not Monitored			NM
HA-7	5/14/2007	21.60	--	--	Not Monitored			NM
HA-7	6/29/2007	21.60	--	--	--	7.35	14.25	14.25
HA-7	7/20/2007	21.60	--	--	Not Monitored			NM
HA-7	8/21/2007	21.60	--	--	Not Monitored			NM
HA-7	9/10/2007	21.60	--	--	--	8.78	12.82	NM
HA-7	10/22/2007	21.60	--	--	Not Monitored			NM
HA-7	11/28/2007	21.60	--	--	--	7.02	14.58	14.58
HA-7	12/13/2007	21.60	--	--	Not Monitored			NM
HA-7	1/21/2008	21.60	--	--	--	5.27	16.33	16.33
HA-7	2/24/2008	21.60	--	--	--	5.97	15.63	15.63
HA-7	3/24/2008	21.60	--	--	--	6.34	15.26	15.26
HA-7	6/2/2008	21.60	--	--	--	7.62	13.98	--
HA-7	8/25/2008	21.60	--	--	--	8.27	13.33	13.33
HA-7	2/18/2009	21.60	--	--	Not Monitored			NM
HA-7	8/25/2009	21.60	--	--	Not Monitored			NM
HA-7	3/22/2010	21.60	--	--	--	5.19	16.41	16.41
HA-7	8/23/2010	21.60	--	--	--	7.38	14.22	14.22
HA-7	2/7/2011	21.60	--	--	--	4.97	16.63	--
HA-7	5/27/2011	21.60	--	--	--	5.97	15.63	--
HA-7	8/8/2011	21.60	--	--	--	7.91	13.69	--
HA-7	11/14/2011	21.60	--	--	--	7.68	13.92	--
HA-7	2/20/2012	21.60	--	--	--	5.31	16.29	--
HA-7	8/22/2012	21.60	--	--	--	7.36	14.24	--
HA-7	11/5/2012	21.60	--	--	--	7.19	14.41	--
HA-7	1/28/2013	21.60	--	--	--	4.54	17.06	--
HA-7	5/9/2013	21.60	--	--	--	6.02	15.58	--
HA-7	8/19/2013	21.60	--	--	--	8.41	13.19	--
HA-7	11/25/2013	21.60	--	--	--	6.39	15.21	--
HA-7	2/14/2014	21.60	--	--	--	5.23	16.37	--
HA-7	5/5/2014	21.60	--	--	--	4.74	16.86	--
HA-7	8/19/2014				Decommissioned Well			
HA-8	1/27/1993	18.88	--	--	--	4.60	14.28	--
HA-8	3/12/1993	18.88	--	--	--	6.79	12.09	--
HA-8	4/14/1993	18.88	--	--	--	5.20	13.68	--
HA-8	12/15/1993	18.88	--	--	--	7.18	11.70	--
HA-8	11/4/1994	18.88	--	--	--	8.85	10.03	--
HA-8	2/22/1995	18.88	--	--	--	4.03	14.85	--
HA-8	6/16/1995	18.88	--	--	--	7.13	11.75	--
HA-8	10/20/1995	18.88	--	--	--	7.09	11.79	--
HA-8	4/4/1996	18.88	--	--	--	5.32	13.56	--
HA-8	4/16/1996	18.88	--	--	--	5.18	13.70	--
HA-8	5/1/1997	18.88	--	--	--	5.01	13.87	--
HA-8	8/26/1997	18.88	--	--	--	7.99	10.89	--
HA-8	9/18/1997	18.88	--	--	--	6.90	11.98	--
HA-8	5/1/1998	18.88	--	--	--	6.25	12.63	--
HA-8	7/29/1999	18.88	--	--	--	7.93	10.95	--
HA-8	5/22/2000	18.88	--	--	--	6.10	12.78	--
HA-8	5/22/2001	18.88	--	--	--	6.65	12.23	--
HA-8	6/5/2002	18.88	--	--	--	6.54	12.34	--
HA-8	11/24/2002	21.97	--	--	--	7.40	14.57	14.57
HA-8	1/31/2003	21.97	--	--	--	4.04	17.93	17.93
HA-8	2/7/2003	21.97	--	--	--	4.16	17.81	17.81
HA-8	2/12/2003	21.97	--	--	--	4.71	17.26	17.26
HA-8	2/18/2003	21.97	--	--	--	4.99	16.98	16.98
HA-8	2/21/2003	21.97	--	--	--	5.16	16.81	16.81
HA-8	2/24/2003	21.97	--	--	--	5.21	16.76	16.76
HA-8	3/4/2003	21.97	--	--	--	5.89	16.08	16.08
HA-8	3/12/2003	21.97	--	--	--	5.36	16.61	16.61
HA-8	3/14/2003	21.97	5.21	16.76	0.01	5.22	16.76	16.77

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-8	3/26/2003	21.97	--	--	--	4.74	17.23	17.23
HA-8	3/28/2003	21.97	--	--	--	5.21	16.76	16.76
HA-8	4/2/2003	21.97	--	--	--	5.25	16.72	16.72
HA-8	4/4/2003	21.97	--	--	--	5.57	16.40	16.40
HA-8	4/8/2003	21.97	--	--	--	5.57	16.40	16.40
HA-8	4/11/2003	21.97	--	--	--	5.77	16.20	16.20
HA-8	4/15/2003	21.97	--	--	--	5.41	16.56	16.56
HA-8	4/17/2003	21.97	--	--	--	5.91	16.06	16.06
HA-8	4/22/2003	21.97	--	--	--	6.07	15.90	15.90
HA-8	4/25/2003	21.97	--	--	--	6.37	15.60	15.60
HA-8	5/2/2003	21.97	--	--	--	6.44	15.53	15.53
HA-8	5/6/2003	21.97	--	--	--	6.62	15.35	15.35
HA-8	5/9/2003	21.97	--	--	--	6.92	15.05	15.05
HA-8	5/23/2003	21.97	--	--	--	7.38	14.59	14.59
HA-8	5/28/2003	21.97	--	--	--	7.34	14.63	14.63
HA-8	6/13/2003	21.97	--	--	--	7.66	14.31	14.31
HA-8	6/18/2003	21.97	--	--	--	7.60	14.37	14.37
HA-8	6/27/2003	21.97	--	--	--	7.65	14.32	14.32
HA-8	7/7/2003	21.97	--	--	--	8.51	13.46	13.46
HA-8	7/16/2003	21.97	--	--	--	8.24	13.73	13.73
HA-8	7/31/2003	21.97	--	--	--	8.61	13.36	13.36
HA-8	8/5/2003	21.97	--	--	--	9.62	12.35	12.35
HA-8	8/11/2003	21.97	--	--	--	9.70	12.27	12.27
HA-8	8/22/2003	21.97	10.02	11.95	0.01	10.03	11.95	11.96
HA-8	8/26/2003	21.97	--	--	--	8.99	12.98	12.98
HA-8	9/2/2003	21.97	--	--	--	9.02	12.95	12.95
HA-8	9/9/2003	21.97	9.51	12.46	0.01	9.52	12.46	12.47
HA-8	9/19/2003	21.97	10.40	11.57	0.10	10.50	11.55	11.62
HA-8	10/14/2003	21.97	--	--	Not Monitored	--	--	--
HA-8	11/20/2003	21.97	7.22	14.75	0.32	7.54	14.67	14.91
HA-8	12/3/2003	21.97	4.65	17.32	0.57	5.22	17.18	17.61
HA-8	1/19/2004	21.97	4.23	17.74	0.55	4.78	17.60	18.02
HA-8	2/24/2004	21.97	5.08	16.89	0.53	5.61	16.76	17.16
HA-8	3/15/2004	21.97	6.15	15.82	0.51	6.66	15.69	16.08
HA-8	4/19/2004	21.97	6.98	14.99	0.50	7.48	14.87	15.24
HA-8	5/17/2004	21.97	7.74	14.23	0.49	8.23	14.11	14.48
HA-8	6/15/2004	21.97	--	--	0.51	8.21	14.14	--
HA-8	6/22/2004	21.97	7.57	14.40	0.51	8.08	14.27	14.66
HA-8	8/18/2004	21.97	8.71	13.26	0.49	9.20	13.14	13.51
HA-8	9/21/2004	21.97	7.67	14.30	0.17	7.84	14.26	14.39
HA-8	10/19/2004	21.97	6.89	15.08	0.16	7.05	15.04	15.16
HA-8	11/23/2004	21.97	6.89	15.08	0.11	7.00	15.05	15.14
HA-8	12/21/2004	21.97	5.08	16.89	0.15	5.23	16.85	16.97
HA-8	1/13/2005	21.97	--	--	--	6.02	15.95	15.95
HA-8	4/28/2005	21.97	--	--	--	8.63	13.34	13.34
HA-8	6/1/2005	21.97	5.55	13.33	0.11	5.66	16.39	16.48
HA-8	6/20/2005	21.97	--	--	0.11	6.27	15.78	--
HA-8	6/29/2005	21.97	7.08	11.80	0.12	7.20	14.86	11.68
HA-8	7/20/2005	21.97	7.55	14.42	0.15	7.70	14.38	14.50
HA-8	8/22/2005	21.97	7.85	14.12	0.05	7.90	14.11	14.15
HA-8	9/12/2005	21.97	--	--	Dry	--	--	0.00
HA-8	10/12/2005	21.97	9.14	12.83	3.61	9.22	15.46	18.17
HA-8	11/21/2005	21.97	7.49	14.48	0.02	7.51	14.48	14.49
HA-8	12/27/2005	21.97	5.04	16.93	0.06	5.10	16.92	16.96
HA-8	1/30/2006	21.97	2.30	19.67	0.06	2.36	19.66	19.70
HA-8	2/16/2006	21.97	4.11	17.86	0.06	4.17	17.85	17.89
HA-8	3/13/2006	21.97	4.98	16.99	0.06	5.04	16.98	17.02
HA-8	4/18/2006	21.97	--	--	--	5.12	16.85	16.85
HA-8	5/12/2006	21.97	--	--	--	5.89	16.08	16.08
HA-8	6/5/2006	21.97	--	--	0.06	5.38	16.64	--
HA-8	6/9/2006	21.97	--	--	--	5.40	16.57	16.57
HA-8	7/13/2006	21.97	--	--	--	6.80	15.17	15.17
HA-8	8/16/2006	21.97	--	--	--	7.80	14.17	14.17
HA-8	9/19/2006	21.97	--	--	--	8.54	13.43	13.43
HA-8	10/13/2006	21.97	--	--	--	8.20	13.77	13.77
HA-8	10/23/2006	21.97	--	--	0.02	8.26	13.73	--
HA-8	11/20/2006	21.97	3.85	18.12	0.03	3.88	18.11	18.14
HA-8	12/8/2006	21.97	3.65	18.32	0.02	3.67	18.32	18.33
HA-8	1/19/2007	21.97	3.22	18.75	0.04	3.24	18.76	18.79
HA-8	2/19/2007	21.97	5.28	16.69	0.03	5.31	16.68	16.71
HA-8	3/15/2007	21.97	4.18	17.79	0.02	4.20	17.79	17.80
HA-8	4/16/2007	21.97	4.88	17.09	0.03	4.91	17.08	17.11
HA-8	5/14/2007	21.97	6.60	15.37	0.05	6.65	15.36	15.40
HA-8	6/29/2007	21.97	--	--	--	7.72	14.25	14.25
HA-8	7/20/2007	21.97	--	--	--	8.13	13.84	13.84
HA-8	8/21/2007	21.97	--	--	--	8.88	13.09	13.09
HA-8	9/10/2007	21.97	--	--	--	8.98	12.99	12.99
HA-8	10/22/2007	21.97	--	--	--	7.83	14.14	14.14
HA-8	11/28/2007	21.97	--	--	--	6.72	15.25	15.25
HA-8	12/13/2007	21.97	--	--	--	5.80	16.17	16.17
HA-8	1/21/2008	21.97	--	--	--	5.76	16.21	16.21
HA-8	2/24/2008	21.97	--	--	--	6.29	15.68	15.68
HA-8	3/24/2008	21.97	--	--	--	6.41	15.56	15.56
HA-8	6/2/2008	21.97	--	--	--	7.64	14.33	--
HA-8	8/25/2008	21.97	--	--	--	8.34	13.63	13.63
HA-8	2/18/2009	21.97	--	--	Not Monitored	--	--	NM
HA-8	8/25/2009	21.97	--	--	Not Monitored	--	--	NM
HA-8	3/22/2010	21.97	--	--	--	5.80	16.17	16.17
HA-8	8/23/2010	21.97	--	--	--	8.13	13.84	13.84
HA-8	2/7/2011	21.97	--	--	--	4.94	17.03	--
HA-8	5/27/2011	21.97	--	--	Not Monitored	--	--	--
HA-8	8/8/2011	21.97	--	--	--	8.00	13.97	--
HA-8	11/14/2011	21.97	--	--	--	7.72	14.25	--

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-8	2/20/2012	21.97	--	--	--	5.13	16.84	--
HA-8	8/22/2012	21.97	--	--	--	7.73	14.24	--
HA-8	11/5/2012	21.97	--	--	--	6.80	15.17	--
HA-8	1/28/2013	21.97	--	--	--	4.90	17.07	--
HA-8	5/9/2013	21.97	--	--	--	6.08	15.89	--
HA-8	8/19/2013	21.97	--	--	--	8.50	13.47	--
HA-8	11/25/2013	21.97	--	--	--	6.29	15.68	--
HA-8	2/14/2014	21.97	--	--	--	5.35	16.62	--
HA-8	5/5/2014	21.97	--	--	--	4.43	17.54	--
HA-8	8/19/2014			Decommissioned Well				
HA-9	1/27/1993	19.40	--	--	--	7.00	12.40	--
HA-9	3/12/1993	19.40	--	--	--	7.95	11.45	--
HA-9	4/14/1993	19.40	--	--	--	7.74	11.66	--
HA-9	12/15/1993	19.40	--	--	--	7.82	11.58	--
HA-9	11/4/1994	19.40	--	--	--	9.75	9.65	--
HA-9	2/22/1995	19.40	--	--	--	7.61	11.79	--
HA-9	6/16/1995	19.40	--	--	--	8.17	11.23	--
HA-9	10/20/1995	19.40	--	--	--	8.08	11.32	--
HA-9	4/4/1996	19.40	--	--	--	7.30	12.10	--
HA-9	4/16/1996	19.40	--	--	--	7.28	12.12	--
HA-9	4/2/1997	19.40	--	--	--	7.76	11.64	--
HA-9	5/1/1997	19.40	--	--	--	7.78	11.62	--
HA-9	9/18/1997	19.40	--	--	--	7.95	11.45	--
HA-9	4/29/1998	19.40	--	--	--	7.99	11.41	--
HA-9	7/28/1999	19.40	--	--	--	8.23	11.17	--
HA-9	5/24/2000	19.40	--	--	--	9.25	10.15	--
HA-9	5/23/2001	19.40	--	--	--	7.92	11.48	--
HA-9	6/4/2002	19.40	--	--	--	8.01	11.39	--
HA-9	11/24/2002	21.32	--	--	--	8.20	13.12	13.12
HA-9	5/28/2003	21.32	--	--	sheen	8.05	13.27	--
HA-9	6/17/2004	21.32	--	--	--	8.18	13.14	--
HA-9	6/20/2005	21.32	--	--	--	7.98	13.34	--
HA-9	6/5/2006	21.32	--	--	--	7.62	13.70	--
HA-9	10/23/2006	21.32	--	--	--	8.32	13.00	--
HA-9	3/14/2007	21.32	--	--	--	6.08	15.24	--
HA-9	6/29/2007	21.32	--	--	--	7.04	14.28	14.28
HA-9	7/20/2007	21.32	--	--	Not Monitored			NM
HA-9	8/21/2007	21.32	--	--	Not Monitored			NM
HA-9	9/10/2007	21.32	--	--	--	7.13	14.19	--
HA-9	10/22/2007	21.32	--	--	Not Monitored			NM
HA-9	11/28/2007	21.32	--	--	Not Monitored			NM
HA-9	12/13/2007	21.32	--	--	--	6.66	14.66	14.66
HA-9	1/21/2008	21.32	--	--	--	6.35	14.97	14.97
HA-9	2/24/2008	21.32	--	--	--	6.67	14.65	14.65
HA-9	3/24/2008	21.32	--	--	--	6.62	14.70	14.70
HA-9	6/2/2008	21.32	--	--	--	6.90	14.42	--
HA-9	8/25/2008	21.32	--	--	--	7.08	14.24	14.24
HA-9	2/18/2009	21.32	--	--	Not Monitored			NM
HA-9	8/25/2009	21.32	--	--	Not Monitored			NM
HA-9	3/22/2010	21.32	--	--	--	6.14	15.18	15.18
HA-9	8/23/2010	21.32	--	--	--	7.17	14.15	14.15
HA-9	2/7/2011	21.32	--	--	--	6.03	15.29	--
HA-9	5/27/2011	21.32	--	--	--	7.01	14.31	--
HA-9	8/8/2011	21.32	--	--	--	7.16	14.16	--
HA-9	11/14/2011	21.32	--	--	--	6.96	14.36	--
HA-9	2/20/2012	21.32	--	--	--	6.15	15.17	--
HA-9	8/22/2012	21.32	--	--	--	7.15	14.17	--
HA-9	11/5/2012	21.32	--	--	--	6.50	14.82	--
HA-9	1/28/2013	21.32	--	--	--	4.77	16.55	--
HA-9	5/9/2013	21.32	--	--	--	6.67	14.65	--
HA-9	8/19/2013	21.32	--	--	--	7.24	14.08	--
HA-9	11/25/2013	21.32	--	--	--	6.59	14.73	--
HA-9	2/14/2014	21.32	DRY	--	--		21.32	--
HA-9	5/5/2014	21.32	--	--	--	5.34	15.98	--
HA-9	8/19/2014	21.32	--	--	--	7.09	14.23	--
HA-9	11/21/2014	21.32	--	--	--	6.26	15.06	--
HA-10	1/27/1993	19.40	--	--	--	6.88	12.52	--
HA-10	3/12/1993	19.40	--	--	--	8.94	10.46	--
HA-10	4/14/1993	19.40	--	--	--	8.73	10.67	--
HA-10	12/15/1993	19.40	--	--	--	8.05	11.35	--
HA-10	2/22/1995	19.40	--	--	--	8.14	11.26	--
HA-10	6/16/1995	19.40	--	--	--	9.18	10.22	--
HA-10	10/20/1995	19.40	--	--	--	7.83	11.57	--
HA-10	4/4/1996	19.40	--	--	--	7.67	11.73	--
HA-10	4/16/1996	19.40	--	--	--	7.29	12.11	--
HA-10	7/15/1996	19.40	--	--	--	9.40	10.00	--
HA-10	4/2/1997	19.40	--	--	--	8.74	10.66	--
HA-10	5/1/1997	19.40	--	--	--	8.26	11.14	--
HA-10	5/23/2001	19.40	--	--	--	8.86	10.54	--
HA-10	6/6/2002	19.40	--	--	--	9.80	9.60	--
HA-10	11/24/2002	21.15	--	--	--	8.49	12.66	12.66
HA-10	5/27/2003	21.15	--	--	--	9.31	11.84	--
HA-10	6/17/2004	21.15	--	--	--	9.17	11.98	--
HA-10	6/21/2005	21.15	--	--	--	8.58	12.57	--
HA-10	6/5/2006	21.15	--	--	--	7.84	13.31	--
HA-10	10/23/2006	21.15	--	--	--	9.09	12.06	--
HA-10	3/14/2007	21.15	--	--	--	6.21	14.94	--
HA-10	6/29/2007	21.15	--	--	--	7.79	13.36	13.36
HA-10	7/20/2007	21.15	--	--	Not Monitored			NM
HA-10	8/21/2007	21.15	--	--	Not Monitored			NM
HA-10	9/10/2007	21.15	DRY	--	--	8.20	12.95	NM

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-10	10/22/2007	21.15			Not Monitored			NM
HA-10	11/28/2007	21.15	--	--	--	7.50	13.65	13.65
HA-10	12/13/2007	21.15	--	--	--	7.35	13.80	13.80
HA-10	1/21/2008	21.15	--	--	--	6.79	14.36	14.36
HA-10	2/24/2008	21.15	--	--	--	6.70	14.45	14.45
HA-10	3/24/2008	21.15	--	--	--	7.21	13.94	13.94
HA-10	6/2/2008	21.15	--	--	--	7.85	13.30	13.30
HA-10	8/25/2008	21.15	--	--	--	6.51	14.64	14.64
HA-10	2/18/2009	21.15			Not Monitored			NM
HA-10	8/25/2009	21.15			Not Monitored			NM
HA-10	3/22/2010	21.15	--	--	--	6.32	14.83	14.83
HA-10	8/23/2010	21.15	--	--	--	7.55	13.60	13.60
HA-10	2/7/2011	21.15	--	--	--	7.11	14.04	--
HA-10	5/27/2011	21.15	--	--	--	6.97	14.18	--
HA-10	8/8/2011	21.15	--	--	--	8.07	13.08	--
HA-10	2/20/2012	21.15	--	--	--	6.92	14.23	--
HA-10	8/22/2012	21.15	--	--	--	8.03	13.12	--
HA-10	11/5/2012	21.15	--	--	--	5.61	15.54	--
HA-10	1/28/2013	21.15	--	--	--	5.56	15.59	--
HA-10	5/9/2013	21.15	--	--	--	7.48	13.67	--
HA-10	8/19/2013	21.15	--	--	--	8.31	12.84	--
HA-10	11/25/2013	21.15	--	--	--	7.43	13.72	--
HA-10	2/14/2014	21.15	--	--	--	5.65	15.50	--
HA-10	5/5/2014	21.15	--	--	--	5.41	15.74	--
HA-10	8/19/2014	21.15	--	--	--	7.62	13.53	--
HA-11	1/27/1993	18.51	--	--	--	5.80	12.71	--
HA-11	3/12/1993	18.51	--	--	--	7.97	10.54	--
HA-11	4/14/1993	18.51	--	--	--	7.33	11.18	--
HA-11	12/15/1993	18.51	--	--	--	7.18	11.33	--
HA-11	11/4/1994	18.51	--	--	--	9.77	8.74	--
HA-11	2/22/1995	18.51	--	--	--	7.49	11.02	--
HA-11	6/16/1995	18.51	--	--	--	8.25	10.26	--
HA-11	10/20/1995	18.51	--	--	--	7.62	10.89	--
HA-11	4/4/1996	18.51	--	--	--	6.95	11.56	--
HA-11	4/16/1996	18.51	--	--	--	6.60	11.91	--
HA-11	4/2/1997	18.51	--	--	--	7.95	10.56	--
HA-11	5/1/1997	18.51	--	--	--	7.96	10.55	--
HA-11	4/29/1998	18.51	--	--	--	7.89	10.62	--
HA-11	7/28/1999	18.51	--	--	--	8.08	10.43	--
HA-11	5/24/2000	18.51	--	--	--	7.75	10.76	--
HA-11	5/23/2001	18.51	--	--	--	8.40	10.11	--
HA-11	6/4/2002	18.51	--	--	--	7.77	10.74	--
HA-11	11/24/2002	20.69	--	--	--	8.33	12.36	12.36
HA-11	5/27/2003	20.69	--	--	--	8.33	12.36	--
HA-11	6/21/2005	20.69	--	--	--	7.85	12.84	--
HA-11	6/5/2006	20.69	--	--	--	7.57	13.12	--
HA-11	10/23/2006	20.69	--	--	--	8.60	12.09	--
HA-11	3/14/2007	20.69	--	--	--	6.21	14.48	--
HA-11	6/29/2007	20.69	--	--	--	7.64	13.05	13.05
HA-11	7/20/2007	20.69			Not Monitored			NM
HA-11	8/21/2007	20.69			Not Monitored			NM
HA-11	9/10/2007	20.69	--	--	--	8.18	12.51	NM
HA-11	10/22/2007	20.69			Not Monitored			NM
HA-11	11/28/2007	20.69	--	--	--	7.41	13.28	13.28
HA-11	12/13/2007	20.69	--	--	--	3.94	16.75	16.75
HA-11	1/21/2008	20.69	--	--	--	6.69	14.00	14.00
HA-11	2/24/2008	20.69	--	--	--	6.83	13.86	13.86
HA-11	3/24/2008	20.69	--	--	--	7.06	13.63	13.63
HA-11	6/2/2008	20.69	--	--	--	7.58	13.11	--
HA-11	8/25/2008	20.69	--	--	--	8.09	12.60	12.60
HA-11	2/18/2009	20.69			Not Monitored			NM
HA-11	8/25/2009	20.69			Not Monitored			NM
HA-11	3/22/2010	20.69	--	--	--	6.55	14.14	14.14
HA-11	8/23/2010	20.69	--	--	--	7.22	13.47	13.47
HA-11	2/7/2011	20.69	--	--	--	6.99	13.70	--
HA-11	5/27/2011	20.69	--	--	--	7.24	13.45	--
HA-11	8/8/2011	20.69			Dry			--
HA-11	11/14/2011	20.69	--	--	--	8.72	11.97	--
HA-11	2/20/2012	20.69	--	--	--	6.75	13.94	--
HA-11	8/22/2012	20.69	--	--	--	7.80	12.89	--
HA-11	11/5/2012	20.69	--	--	--	7.03	13.66	--
HA-11	1/28/2013	20.69	--	--	--	6.38	14.31	--
HA-11	5/9/2013	20.69	--	--	--	7.62	13.07	--
HA-11	8/19/2013	20.69	--	--	--	8.06	12.63	--
HA-11	11/25/2013	20.69	--	--	--	7.05	13.64	--
HA-11	2/14/2014	20.69	--	--	--	6.45	14.24	--
HA-11	5/5/2014	20.69	--	--	--	6.17	14.52	--
HA-11	8/19/2014	20.69	--	--	--	7.83	12.86	--
HA-11	11/21/2014	20.69			DRY			--
HA-12	1/27/1993	19.91	--	--	--	4.01	15.90	--
HA-12	3/12/1993	19.91	--	--	--	7.36	12.55	--
HA-12	4/14/1993	19.91	--	--	--	5.92	13.99	--
HA-12	12/15/1993	19.91	--	--	--	7.02	12.89	--
HA-12	11/4/1994	19.91	--	--	--	9.06	10.85	--
HA-12	2/22/1995	19.91	--	--	--	3.80	16.11	--
HA-12	6/16/1995	19.91	--	--	--	7.40	12.51	--
HA-12	10/20/1995	19.91	--	--	--	7.40	12.51	--
HA-12	4/4/1996	19.91	--	--	--	5.65	14.26	--
HA-12	4/16/1996	19.91	--	--	--	5.26	14.65	--
HA-12	5/1/1997	19.91	--	--	--	6.13	13.78	--
HA-12	8/26/1997	19.91	--	--	--	8.58	11.33	--

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-12	9/18/1997	19.91	--	--	--	8.70	11.21	--
HA-12	5/1/1998	19.91	--	--	--	6.65	13.26	--
HA-12	7/29/1999	19.91	--	--	--	7.46	12.45	--
HA-12	5/22/2000	19.91	--	--	--	7.63	12.28	--
HA-12	5/22/2001	19.91	--	--	--	7.29	12.62	--
HA-12	6/5/2002	19.91	--	--	--	7.06	12.85	--
HA-12	11/24/2002	22.47	--	--	--	7.43	15.04	15.04
HA-12	5/28/2003	22.47	--	--	--	7.84	14.63	--
HA-12	6/16/2004	22.47	--	--	--	8.43	14.04	--
HA-12	6/21/2005	22.47	--	--	--	6.67	15.80	--
HA-12	6/5/2006	22.47	--	--	--	5.91	16.56	--
HA-12	10/23/2006	22.47	--	--	--	8.71	13.76	--
HA-12	3/14/2007	22.47	--	--	--	5.11	17.36	--
HA-12	6/29/2007	22.47	--	--	--	8.07	14.40	14.40
HA-12	7/20/2007	22.47	--	--	Not Monitored	--	--	NM
HA-12	8/21/2007	22.47	--	--	Not Monitored	--	--	NM
HA-12	9/10/2007	22.47	--	--	--	9.38	13.09	NM
HA-12	10/22/2007	22.47	--	--	Not Monitored	--	--	NM
HA-12	11/28/2007	22.47	--	--	--	7.50	14.97	14.97
HA-12	12/13/2007	22.47	--	--	Not Monitored	--	--	NM
HA-12	1/21/2008	22.47	--	--	--	4.09	18.38	18.38
HA-12	2/24/2008	22.47	--	--	--	6.81	15.66	15.66
HA-12	3/24/2008	22.47	--	--	--	6.87	15.60	15.60
HA-12	6/2/2008	22.47	--	--	--	8.14	14.33	--
HA-12	8/25/2008	22.47	--	--	--	8.67	13.80	13.80
HA-12	2/18/2009	22.47	--	--	Not Monitored	--	--	NM
HA-12	8/25/2009	22.47	--	--	--	8.67	13.80	NM
HA-12	3/22/2010	22.47	--	--	--	6.00	16.47	16.47
HA-12	8/23/2010	22.47	--	--	Dry	--	--	0.00
HA-12	2/7/2011	22.47	--	--	--	5.46	17.01	--
HA-12	5/27/2011	22.47	--	--	--	6.34	16.13	--
HA-12	8/8/2011	22.47	--	--	--	8.39	14.08	--
HA-12	11/14/2011	22.47	--	--	--	8.05	14.42	--
HA-12	2/20/2012	22.47	--	--	--	5.20	17.27	--
HA-12	8/22/2012	22.47	--	--	--	Dry	--	--
HA-12	11/5/2012	22.47	--	--	--	6.02	16.45	--
HA-12	1/28/2013	22.47	--	--	--	5.32	17.15	--
HA-12	5/9/2013	22.47	--	--	--	6.68	15.79	--
HA-12	8/19/2013	22.47	--	--	--	8.02	14.45	--
HA-12	11/25/2013	22.47	--	--	--	6.83	15.64	--
HA-12	2/14/2014	22.47	--	--	--	5.63	16.84	--
HA-12	5/5/2014	22.47	--	--	--	5.32	17.15	--
HA-12	8/19/2014	22.47	--	--	--	Dry	--	--
HA-13	1/27/1993	19.56	--	--	--	5.32	14.24	--
HA-13	3/12/1993	19.56	--	--	--	8.23	11.33	--
HA-13	4/14/1993	19.56	--	--	--	7.08	12.48	--
HA-13	12/15/1993	19.56	--	--	--	6.34	13.22	--
HA-13	11/4/1994	19.56	--	--	--	8.93	10.63	--
HA-13	2/22/1995	19.56	--	--	--	4.54	15.02	--
HA-13	6/16/1995	19.56	--	--	--	8.83	10.73	--
HA-13	10/20/1995	19.56	--	--	--	8.23	11.33	--
HA-13	4/4/1996	19.56	--	--	--	7.06	12.50	--
HA-13	4/16/1996	19.56	--	--	--	7.31	12.25	--
HA-13	5/1/1997	19.56	--	--	--	7.01	12.55	--
HA-13	9/18/1997	19.56	--	--	--	6.93	12.63	--
HA-13	4/30/1998	19.56	--	--	--	8.26	11.30	--
HA-13	7/28/1999	19.56	--	--	--	8.62	10.94	--
HA-13	5/22/2000	19.56	--	--	--	8.45	11.11	--
HA-13	5/22/2001	19.56	--	--	--	8.20	11.36	--
HA-13	6/4/2002	19.56	--	--	--	8.41	11.15	--
HA-13	11/24/2002	22.73	--	--	--	8.60	14.13	14.13
HA-13	1/17/2003	22.73	--	--	--	6.30	16.43	16.43
HA-13	1/31/2003	22.73	--	--	--	4.49	18.24	18.24
HA-13	2/7/2003	22.73	--	--	--	6.27	16.46	16.46
HA-13	2/12/2003	22.73	--	--	--	6.78	15.95	15.95
HA-13	2/18/2003	22.73	--	--	--	7.13	15.60	15.60
HA-13	2/21/2003	22.73	--	--	--	6.99	15.74	15.74
HA-13	2/24/2003	22.73	--	--	--	6.98	15.75	15.75
HA-13	3/4/2003	22.73	--	--	--	7.49	15.24	15.24
HA-13	3/12/2003	22.73	--	--	--	6.48	16.25	16.25
HA-13	3/14/2003	22.73	--	--	--	5.16	17.57	17.57
HA-13	3/26/2003	22.73	--	--	--	5.65	17.08	17.08
HA-13	3/28/2003	22.73	--	--	--	6.34	16.39	16.39
HA-13	4/2/2003	22.73	--	--	--	6.74	15.99	15.99
HA-13	4/4/2003	22.73	--	--	--	7.08	15.65	15.65
HA-13	4/8/2003	22.73	--	--	--	7.17	15.56	15.56
HA-13	4/11/2003	22.73	--	--	--	7.31	15.42	15.42
HA-13	4/15/2003	22.73	--	--	--	6.93	15.80	15.80
HA-13	4/17/2003	22.73	--	--	--	7.32	15.41	15.41
HA-13	4/22/2003	22.73	--	--	--	7.52	15.21	15.21
HA-13	4/25/2003	22.73	--	--	--	7.81	14.92	14.92
HA-13	5/2/2003	22.73	--	--	--	8.04	14.69	14.69
HA-13	5/6/2003	22.73	--	--	--	8.13	14.60	14.60
HA-13	5/9/2003	22.73	--	--	--	8.36	14.37	14.37
HA-13	5/23/2003	22.73	--	--	--	8.93	13.80	13.80
HA-13	5/27/2003	22.73	--	--	--	8.89	13.84	--
HA-13	5/28/2003	22.73	--	--	--	8.98	13.75	13.75
HA-13	6/13/2003	22.73	--	--	--	6.08	16.65	16.65
HA-13	6/18/2003	22.73	--	--	--	9.12	13.61	13.61
HA-13	6/27/2003	22.73	--	--	--	9.07	13.66	13.66
HA-13	7/7/2003	22.73	--	--	--	9.55	13.18	13.18
HA-13	7/16/2003	22.73	--	--	--	9.42	13.31	13.31

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-13	7/31/2003	22.73	--	--	--	9.59	13.14	13.14
HA-13	8/5/2003	22.73	--	--	--	9.63	13.10	13.10
HA-13	8/11/2003	22.73	--	--	--	10.75	11.98	11.98
HA-13	8/22/2003	22.73	--	--	--	11.26	11.47	11.47
HA-13	8/26/2003	22.73	--	--	--	9.87	12.86	12.86
HA-13	9/2/2003	22.73	--	--	--	10.31	12.42	12.42
HA-13	9/9/2003	22.73	--	--	--	10.46	12.27	12.27
HA-13	9/19/2003	22.73	--	--	--	10.46	12.27	12.27
HA-13	10/14/2003	22.73	--	--	Not Monitored			--
HA-13	11/20/2003	22.73	--	--	--	5.70	17.03	17.03
HA-13	12/3/2003	22.73	--	--	--	5.91	16.82	16.82
HA-13	1/19/2004	22.73	--	--	--	5.91	16.82	16.82
HA-13	2/24/2004	22.73	--	--	--	6.92	15.81	15.81
HA-13	3/15/2004	22.73	--	--	--	7.81	14.92	14.92
HA-13	4/19/2004	22.73	--	--	--	8.56	14.17	14.17
HA-13	5/17/2004	22.73	--	--	--	9.07	13.66	13.66
HA-13	6/16/2004	22.73	--	--	--	7.99	14.74	--
HA-13	6/22/2004	22.73	--	--	--	8.98	13.75	13.75
HA-13	8/18/2004	22.73	--	--	--	9.79	12.94	12.94
HA-13	9/21/2004	22.73	--	--	--	8.64	14.09	14.09
HA-13	10/19/2004	22.73	--	--	--	8.16	14.57	14.57
HA-13	11/23/2004	22.73	--	--	--	8.62	14.11	14.11
HA-13	12/21/2004	22.73	--	--	--	6.84	15.89	15.89
HA-13	1/13/2005	22.73	--	--	--	7.80	14.93	14.93
HA-13	4/28/2005	22.73	--	--	--	7.07	15.66	15.66
HA-13	6/1/2005	22.73	--	--	--	7.83	14.90	14.90
HA-13	6/21/2005	22.73	--	--	--	8.34	14.39	--
HA-13	6/29/2005	22.73	--	--	--	8.77	13.96	13.96
HA-13	7/20/2005	22.73	--	--	--	9.05	13.68	13.68
HA-13	8/22/2005	22.73	--	--	--	9.28	13.45	13.45
HA-13	9/12/2005	22.73	--	--	--	9.61	13.12	13.12
HA-13	10/12/2005	22.73	--	--	--	9.96	12.77	12.77
HA-13	11/21/2005	22.73	--	--	--	7.78	14.95	14.95
HA-13	12/27/2005	22.73	--	--	--	5.36	17.37	17.37
HA-13	1/30/2006	22.73	--	--	--	3.60	19.13	19.13
HA-13	2/16/2006	22.73	--	--	--	6.05	16.68	16.68
HA-13	3/13/2006	22.73	--	--	--	7.26	15.47	15.47
HA-13	4/18/2006	22.73	--	--	--	7.70	15.03	15.03
HA-13	5/12/2006	22.73	--	--	--	8.21	14.52	14.52
HA-13	6/5/2006	22.73	--	--	--	7.74	14.99	--
HA-13	6/9/2006	22.73	--	--	--	7.80	14.93	14.93
HA-13	7/13/2006	22.73	--	--	--	8.82	13.91	13.91
HA-13	8/16/2006	22.73	--	--	--	9.84	12.89	12.89
HA-13	9/19/2006	22.73	--	--	--	9.70	13.03	13.03
HA-13	10/13/2006	22.73	--	--	--	9.46	13.27	13.27
HA-13	10/23/2006	22.73	--	--	--	9.45	13.28	--
HA-13	11/20/2006	22.73	--	--	--	4.85	17.88	17.88
HA-13	12/8/2006	22.73	--	--	--	5.67	17.06	17.06
HA-13	1/19/2007	22.73	--	--	--	5.08	17.65	17.65
HA-13	2/19/2007	22.73	--	--	--	7.39	15.34	15.34
HA-13	3/14/2007	22.73	--	--	--	6.28	16.45	--
HA-13	3/15/2007	22.73	--	--	--	6.36	16.37	16.37
HA-13	4/16/2007	22.73	--	--	--	7.18	15.55	15.55
HA-13	5/14/2007	22.73	--	--	--	8.40	14.33	14.33
HA-13	6/29/2007	22.73	--	--	--	9.26	13.47	13.47
HA-13	7/20/2007	22.73	--	--	--	9.51	13.22	13.22
HA-13	8/21/2007	22.73	--	--	--	9.89	12.84	12.84
HA-13	9/10/2007	22.73	--	--	--	9.91	12.82	12.82
HA-13	10/22/2007	22.73	--	--	--	8.11	14.62	14.62
HA-13	11/28/2007	22.73	--	--	--	8.22	14.51	14.51
HA-13	12/13/2007	22.73	6.32	16.41	0.01	6.33	16.41	16.42
HA-13	1/21/2008	22.73	--	--	--	6.83	15.90	15.90
HA-13	2/24/2008	22.73	--	--	--	7.55	15.18	15.18
HA-13	3/24/2008	22.73	--	--	--	7.89	14.84	14.84
HA-13	6/2/2008	22.73	--	--	--	9.03	13.70	--
HA-13	8/25/2008	22.73	--	--	--	9.29	13.44	13.44
HA-13	2/18/2009	22.73	--	--	Not Monitored			NM
HA-13	8/25/2009	22.73	--	--	Not Monitored			NM
HA-13	3/22/2010	22.73	--	--	--	7.52	15.21	15.21
HA-13	8/23/2010	22.73	--	--	--	9.35	13.38	13.38
HA-13	2/7/2011	22.73	--	--	--	6.48	16.25	--
HA-13	5/27/2011	22.73	--	--	--	7.55	15.18	--
HA-13	8/8/2011	22.73	--	--	--	9.21	13.52	--
HA-13	11/14/2011	22.73	--	--	--	8.69	14.04	--
HA-13	2/20/2012	22.73	--	--	--	5.17	17.56	--
HA-13	8/22/2012	22.73	--	--	--	9.11	13.62	--
HA-13	11/5/2012	22.73	--	--	--	4.28	18.45	--
HA-13	1/28/2013	22.73	--	--	--	6.19	16.54	--
HA-13	5/9/2013	22.73	--	--	--	7.57	15.16	--
HA-13	8/19/2013	22.73	--	--	--	9.51	13.22	--
HA-13	11/25/2013	22.73	--	--	--	7.19	15.54	--
HA-13	2/14/2014	22.73	--	--	--	5.07	17.66	--
HA-13	5/5/2014	22.73	--	--	--	4.48	18.25	--
HA-13	8/19/2014	22.73	--	--	--	9.33	13.40	--
HA-13	11/21/2014	22.73	--	--	--	7.26	15.47	--
HA-14	1/27/1993	20.02	--	--	--	6.10	13.92	--
HA-14	3/12/1993	20.02	--	--	--	8.80	11.22	--
HA-14	4/14/1993	20.02	--	--	--	7.04	12.98	--
HA-14	12/15/1993	20.02	--	--	--	8.56	11.46	--
HA-14	11/4/1994	20.02	--	--	--	8.35	11.67	--
HA-14	2/22/1995	20.02	--	--	--	5.10	14.92	--
HA-14	6/16/1995	20.02	--	--	--	9.51	10.51	--

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-14	10/20/1995	20.02	--	--	--	8.77	11.25	--
HA-14	4/4/1996	20.02	--	--	--	7.52	12.50	--
HA-14	4/16/1996	20.02	--	--	--	6.01	14.01	--
HA-14	5/1/1997	20.02	--	--	--	6.92	13.10	--
HA-14	9/18/1997	20.02	--	--	--	8.17	11.85	--
HA-14	4/30/1998	20.02	--	--	--	9.05	10.97	--
HA-14	7/29/1999	20.02	--	--	--	9.49	10.53	--
HA-14	5/22/2000	20.02	--	--	--	9.22	10.80	--
HA-14	5/22/2001	20.02	--	--	--	9.03	10.99	--
HA-14	6/4/2002	20.02	--	--	--	8.41	11.61	--
HA-14	11/24/2002	23.47	--	--	--	9.67	13.80	13.80
HA-14	5/27/2003	23.47	--	--	--	9.48	13.99	--
HA-14	6/16/2004	23.47	--	--	--	9.69	13.78	--
HA-14	9/21/2004	23.47	--	--	--	9.24	14.23	14.23
HA-14	6/1/2005	23.47	--	--	--	8.68	14.79	14.79
HA-14	6/21/2005	23.47	--	--	--	9.15	14.32	--
HA-14	6/29/2005	23.47	--	--	--	9.32	14.15	14.15
HA-14	7/20/2005	23.47	--	--	--	9.63	13.84	10.39
HA-14	8/22/2005	23.47	--	--	--	10.50	12.97	13.21
HA-14	9/12/2005	23.47	--	--	Not Monitored			NM
HA-14	10/12/2005	23.47	--	--	Not Monitored			NM
HA-14	11/21/2005	23.47	--	--	Not Monitored			NM
HA-14	12/27/2005	23.47	--	--	Not Monitored			NM
HA-14	1/30/2006	23.47	--	--	Not Monitored			NM
HA-14	2/16/2006	23.47	--	--	Not Monitored			NM
HA-14	3/13/2006	23.47	--	--	Not Monitored			NM
HA-14	4/18/2006	23.47	--	--	Not Monitored			NM
HA-14	5/12/2006	23.47	--	--	Not Monitored			NM
HA-14	6/5/2006	23.47	--	--	--	7.96	15.51	--
HA-14	6/9/2006	23.47	--	--	Not Monitored			NM
HA-14	7/13/2006	23.47	--	--	Not Monitored			NM
HA-14	8/16/2006	23.47	--	--	Not Monitored			NM
HA-14	9/19/2006	23.47	--	--	Not Monitored			NM
HA-14	10/13/2006	23.47	--	--	--	10.26	13.21	13.21
HA-14	10/23/2006	23.47	--	--	--	10.18	13.29	--
HA-14	11/20/2006	23.47	--	--	--	9.27	14.20	14.20
HA-14	12/8/2006	23.47	--	--	--	5.12	18.35	18.35
HA-14	1/19/2007	23.47	--	--	--	5.01	18.46	18.46
HA-14	2/19/2007	23.47	--	--	--	8.00	15.47	15.47
HA-14	3/14/2007	23.47	--	--	--	7.13	16.34	--
HA-14	3/15/2007	23.47	--	--	--	6.85	16.62	16.62
HA-14	4/16/2007	23.47	--	--	--	7.87	15.60	15.60
HA-14	5/14/2007	23.47	--	--	--	9.10	14.37	14.37
HA-14	6/29/2007	23.47	--	--	--	8.70	14.77	14.77
HA-14	7/20/2007	23.47	--	--	--	10.08	13.39	13.39
HA-14	8/21/2007	23.47	--	--	--	10.12	13.35	13.35
HA-14	9/10/2007	23.47	--	--	--	10.41	13.06	13.06
HA-14	10/22/2007	23.47	--	--	--	8.76	14.71	14.71
HA-14	11/28/2007	23.47	--	--	--	6.79	16.68	16.68
HA-14	12/13/2007	23.47	7.72	15.75	0.07	7.79	15.73	15.79
HA-14	1/21/2008	23.47	--	--	--	6.54	16.93	16.93
HA-14	2/24/2008	23.47	--	--	--	8.21	15.26	15.26
HA-14	3/24/2008	23.47	--	--	--	8.61	14.86	14.86
HA-14	6/2/2008	23.47	--	--	--	9.68	13.79	--
HA-14	8/25/2008	23.47	--	--	--	8.67	14.80	14.80
HA-14	2/18/2009	23.47	--	--	Not Monitored			NM
HA-14	8/25/2009	23.47	--	--	--	10.41	13.06	NM
HA-14	3/22/2010	23.47	--	--	--	8.15	15.32	15.32
HA-14	8/23/2010	23.47	--	--	--	9.94	13.53	13.53
HA-14	2/7/2011	23.47	--	--	--	7.35	16.12	--
HA-14	5/27/2011	23.47	--	--	--	8.28	15.19	--
HA-14	8/8/2011	23.47	--	--	--	9.89	13.58	--
HA-14	11/14/2011	23.47	--	--	--	10.31	13.16	--
HA-14	2/20/2012	23.47	--	--	--	6.90	16.57	--
HA-14	8/22/2012	23.47	--	--	--	9.83	13.64	--
HA-14	11/5/2012	23.47	--	--	DRY			
HA-14	1/28/2013	23.47	--	--	--	7.34	16.13	--
HA-14	5/9/2013	23.47	--	--	--	8.22	15.25	--
HA-14	8/19/2013	23.47	--	--	--	10.15	13.32	--
HA-14	11/25/2013	23.47	--	--	--	8.16	15.31	--
HA-14	2/14/2014	23.47	--	--	--	7.90	15.57	--
HA-14	5/5/2014	23.47	--	--	--	6.91	16.56	--
HA-14	8/19/2014	23.47	--	--	--	9.17	14.30	--
HA-14	11/21/2014	23.47	--	--	--	8.11	15.36	--
HA-15	1/31/2003	22.87	--	--	--	5.56	17.31	--
HA-15	2/7/2003	22.87	--	--	--	5.31	17.56	17.31
HA-15	2/12/2003	22.87	--	--	--	5.64	17.23	17.56
HA-15	2/18/2003	22.87	--	--	--	6.09	16.78	17.23
HA-15	2/21/2003	22.87	--	--	--	7.92	14.95	14.95
HA-15	2/24/2003	22.87	--	--	--	6.04	16.83	16.83
HA-15	3/4/2003	22.87	--	--	--	6.62	16.25	16.25
HA-15	3/12/2003	22.87	--	--	--	6.02	16.85	16.85
HA-15	3/26/2003	22.87	--	--	--	5.46	17.41	17.41
HA-15	3/28/2003	22.87	--	--	--	5.96	16.91	16.91
HA-15	4/2/2003	22.87	--	--	--	5.91	16.96	16.96
HA-15	4/4/2003	22.87	--	--	--	6.22	16.65	16.65
HA-15	4/8/2003	22.87	--	--	--	6.42	16.45	16.45
HA-15	4/11/2003	22.87	--	--	--	6.63	16.24	16.24
HA-15	4/15/2003	22.87	--	--	--	6.28	16.59	16.59
HA-15	4/17/2003	22.87	--	--	--	6.49	16.38	16.38
HA-15	4/22/2003	22.87	--	--	--	6.66	16.21	16.21
HA-15	4/25/2003	22.87	--	--	--	7.07	15.80	15.80

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-15	5/2/2003	22.87	--	--	--	7.06	15.81	15.81
HA-15	5/6/2003	22.87	--	--	--	7.32	15.55	15.55
HA-15	5/9/2003	22.87	--	--	--	7.52	15.35	15.35
HA-15	5/23/2003	22.87	--	--	--	7.83	15.04	15.04
HA-15	5/28/2003	22.87			DRY			Dry
HA-15	6/13/2003	22.87			DRY			Dry
HA-15	6/18/2003	22.87			DRY			Dry
HA-15	6/27/2003	22.87			DRY			Dry
HA-15	7/7/2003	22.87			DRY			Dry
HA-15	7/16/2003	22.87			DRY			Dry
HA-15	7/31/2003	22.87			DRY			Dry
HA-15	8/5/2003	22.87			DRY			Dry
HA-15	8/11/2003	22.87			DRY			Dry
HA-15	8/22/2003	22.87			DRY			Dry
HA-15	8/26/2003	22.87			DRY			Dry
HA-15	9/2/2003	22.87			DRY			Dry
HA-15	9/9/2003	22.87			DRY			Dry
HA-15	9/19/2003	22.87			DRY			Dry
HA-15	10/14/2003	22.87			DRY			Dry
HA-15	11/20/2003	22.87			DRY			Dry
HA-15	12/3/2003	22.87	--	--	--	6.08	16.79	16.79
HA-15	1/19/2004	22.87	--	--	--	5.49	17.38	17.38
HA-15	2/24/2004	22.87	--	--	--	6.32	16.55	16.55
HA-15	3/15/2004	22.87	--	--	--	7.32	15.55	15.55
HA-15	4/19/2004	22.87	--	--	--	7.80	15.07	15.07
HA-15	5/17/2004	22.87			DRY			0.00
HA-15	6/22/2004	22.87			DRY			0.00
HA-15	8/18/2004	22.87			DRY			0.00
HA-15	9/21/2004	22.87			DRY			0.00
HA-15	10/19/2004	22.87			DRY			0.00
HA-15	11/23/2004	22.87			DRY			0.00
HA-15	12/21/2004	22.87	--	--	--	6.03	16.84	16.84
HA-15	1/13/2005	22.87	--	--	--	6.73	16.14	16.14
HA-15	4/28/2005	22.87	--	--	--	5.93	16.94	16.94
HA-15	6/1/2005	22.87	--	--	--	6.06	16.81	16.81
HA-15	6/29/2005	22.87	--	--	--	7.53	15.34	15.34
HA-15	7/20/2005	22.87			DRY			Dry
HA-15	8/22/2005	22.87			DRY			Dry
HA-15	9/12/2005	22.87			DRY			Dry
HA-15	10/12/2005	22.87			DRY			Dry
HA-15	11/21/2005	22.87	--	--	--	7.65	15.22	15.22
HA-15	12/27/2005	22.87	--	--	--	6.63	16.24	16.24
HA-15	1/30/2006	22.87	--	--	--	3.40	19.47	19.47
HA-15	2/16/2006	22.87	--	--	--	4.91	17.96	17.96
HA-15	3/13/2006	22.87	--	--	--	5.88	16.99	16.99
HA-15	4/18/2006	22.87	--	--	--	6.29	16.58	16.58
HA-15	5/12/2006	22.87	--	--	--	6.67	16.20	16.20
HA-15	6/9/2006	22.87	--	--	--	6.26	16.61	16.61
HA-15	7/13/2006	22.87	--	--	--	7.40	15.47	15.47
HA-15	8/16/2006	22.87			DRY			Dry
HA-15	9/19/2006	22.87			DRY			Dry
HA-15	10/13/2006	22.87			DRY			Dry
HA-15	11/20/2006	22.87	--	--	--	4.87	18.00	18.00
HA-15	12/8/2006	22.87	--	--	--	4.53	18.34	18.34
HA-15	1/19/2007	22.87	--	--	--	4.21	18.66	18.66
HA-15	2/19/2007	22.87	--	--	--	6.55	16.32	16.32
HA-15	3/15/2007	22.87	--	--	--	5.30	17.57	17.57
HA-15	4/16/2007	22.87	--	--	--	5.83	17.04	17.04
HA-15	5/14/2007	22.87	--	--	--	7.30	15.57	15.57
HA-15	6/29/2007	22.87	--	--	--	7.83	15.04	15.04
HA-15	7/20/2007	22.87			DRY			Dry
HA-15	8/21/2007	22.87	--	--	--	7.85	15.02	15.02
HA-15	9/10/2007	22.87			DRY			Dry
HA-15	10/22/2007	22.87			DRY			Dry
HA-15	11/28/2007	22.87	--	--	--	7.62	15.25	15.25
HA-15	12/13/2007	22.87	--	--	--	6.53	16.34	16.34
HA-15	1/21/2008	22.87	--	--	--	6.46	16.41	16.41
HA-15	2/24/2008	22.87	--	--	--	6.95	15.92	15.92
HA-15	3/24/2008	22.87	--	--	--	7.24	15.63	15.63
HA-15	8/25/2008	22.87			DRY			Dry
HA-15	2/18/2009	22.87	--	--	--	7.35	15.52	15.52
HA-15	8/25/2009	22.87			DRY			Dry
HA-15	3/22/2010	22.87	--	--	--	6.26	16.61	16.61
HA-15	8/23/2010	22.87			DRY			Dry
HA-15	2/7/2011	22.87	--	--	--	5.90	16.97	--
HA-15	5/27/2011	22.87			Not Monitored			--
HA-15	8/8/2011	22.87	--	--	--	6.30	16.57	--
HA-15	11/14/2011	22.87			DRY			--
HA-15	2/20/2012	22.87	--	--	--	5.41	17.46	--
HA-15	8/22/2012	22.87	--	--	--	7.81	15.06	--
HA-15	11/5/2012	22.87	--	--	--	7.84	15.03	--
HA-15	1/28/2013	22.87	--	--	--	5.26	17.61	--
HA-15	5/9/2013	22.87	--	--	--	6.58	16.29	--
HA-15	8/19/2013	22.87	--	--	--	7.84	15.03	--
HA-15	11/25/2013	22.87	--	--	--	6.68	16.19	--
HA-15	2/14/2014	22.87	--	--	--	6.23	16.64	--
HA-15	5/5/2014	22.87	--	--	--	5.20	17.67	--
HA-15	8/19/2014				Decommissioned Well			
HA-16	12/5/2002	22.07	7.60	14.47	0.05	7.65	14.46	--
HA-16	12/11/2002	22.07	7.40	14.67	0.68	8.08	14.50	--
HA-16	12/13/2002	22.07	7.33	14.74	0.96	8.29	14.50	14.50
HA-16	12/17/2002	22.07	6.67	15.40	1.54	8.21	15.02	15.01

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-16	1/2/2003	22.07	5.60	16.47	0.22	5.82	16.42	16.58
HA-16	1/6/2003	22.07	5.08	16.99	0.02	5.10	16.99	17.00
HA-16	1/7/2003	22.07	5.05	17.02	0.02	5.07	17.02	17.03
HA-16	1/8/2003	22.07	4.95	17.12	0.03	4.98	17.11	17.14
HA-16	1/9/2003	22.07	4.92	17.15	0.02	4.94	17.15	17.16
HA-16	1/10/2003	22.07	4.94	17.13	0.02	4.96	17.13	17.14
HA-16	1/14/2003	22.07	3.09	18.98	2.03	5.12	18.47	20.00
HA-16	1/15/2003	22.07	5.00	17.07	0.05	5.05	17.06	17.10
HA-16	1/16/2003	22.07	4.92	17.15	0.04	4.96	17.14	17.17
HA-16	1/17/2003	22.07	4.95	17.12	0.02	4.97	17.12	17.13
HA-16	1/20/2003	22.07	4.98	17.09	0.04	5.02	17.08	17.11
HA-16	5/28/2003	22.07	7.35	14.72	0.77	8.12	14.53	15.11
HA-16	12/21/2004	22.07	--	--	--	5.23	16.84	16.84
HA-16	1/13/2005	22.07	--	--	--	6.10	15.97	15.97
HA-16	4/28/2005	22.07	--	--	--	5.40	16.67	16.67
HA-16	6/1/2005	22.07	--	--	--	5.66	16.41	16.41
HA-16	6/29/2005	22.07	--	--	--	7.14	14.93	14.93
HA-16	7/20/2005	22.07	7.77	14.30	0.01	7.78	14.30	14.31
HA-16	8/22/2005	22.07	--	--	--	8.00	14.07	14.07
HA-16	9/12/2005	22.07	--	--	--	8.58	13.49	13.49
HA-16	10/12/2005	22.07	--	--	--	9.29	12.78	12.78
HA-16	11/21/2005	22.07	--	--	--	6.99	15.08	15.08
HA-16	12/27/2005	22.07	--	--	--	6.14	15.93	15.93
HA-16	1/31/2006	22.07	2.75	19.32	0.01	2.76	19.32	19.33
HA-16	2/16/2006	22.07	--	--	--	4.26	17.81	17.81
HA-16	3/13/2006	22.07	--	--	--	5.25	16.82	16.82
HA-16	4/18/2006	22.07	--	--	--	5.71	16.36	16.36
HA-16	5/12/2006	22.07	--	--	--	6.10	15.97	15.97
HA-16	6/9/2006	22.07	--	--	--	5.75	16.32	16.32
HA-16	7/13/2006	22.07	--	--	--	7.00	15.07	15.07
HA-16	8/16/2006	22.07	--	--	--	8.00	14.07	14.07
HA-16	9/19/2006	22.07	--	--	--	8.60	13.47	13.47
HA-16	10/13/2006	22.07	--	--	--	8.36	13.71	13.71
HA-16	11/20/2006	22.07	--	--	--	4.42	17.65	17.65
HA-16	12/8/2006	22.07	--	--	--	3.96	18.11	18.11
HA-16	1/19/2007	22.07	--	--	--	3.66	18.41	18.41
HA-16	2/19/2007	22.07	--	--	--	5.84	16.23	16.23
HA-16	3/15/2007	22.07	--	--	--	4.60	17.47	17.47
HA-16	4/16/2007	22.07	--	--	--	5.13	16.94	16.94
HA-16	5/14/2007	22.07	--	--	--	6.70	15.37	15.37
HA-16	6/29/2007	22.07	--	--	--	7.91	14.16	14.16
HA-16	7/20/2007	22.07	--	--	--	8.37	13.70	13.70
HA-16	8/21/2007	22.07	--	--	--	9.05	13.02	13.02
HA-16	9/10/2007	22.07	--	--	--	9.11	12.96	12.96
HA-16	10/22/2007	22.07	--	--	--	7.95	14.12	14.12
HA-16	11/28/2007	22.07	--	--	--	7.20	14.87	14.87
HA-16	12/13/2007	22.07	5.77	16.30	0.01	5.78	16.30	16.31
HA-16	1/21/2008	22.07	--	--	--	5.75	16.32	16.32
HA-16	2/24/2008	22.07	--	--	--	6.32	15.75	15.75
HA-16	3/24/2008	22.07	--	--	--	6.65	15.42	15.42
HA-16	8/25/2008	22.07	--	--	--	8.60	13.47	13.47
HA-16	2/18/2009	22.07	--	--	--	6.64	15.43	15.43
HA-16	8/25/2009	22.07	--	--	--	9.87	12.20	12.20
HA-16	3/22/2010	22.07	--	--	--	5.53	16.54	16.54
HA-16	8/23/2010	22.07	--	--	--	8.08	13.99	13.99
HA-16	2/7/2011	22.07	--	--	--	5.18	16.89	--
HA-16	5/27/2011	22.07	--	--	--	6.08	15.99	--
HA-16	8/8/2011	22.07	--	--	--	8.15	13.92	--
HA-16	11/14/2011	22.07	--	--	--	7.85	14.22	--
HA-16	2/20/2012	22.07	--	--	--	4.61	17.46	--
HA-16	8/22/2012	22.07	--	--	--	7.85	14.22	--
HA-16	11/5/2012	22.07	--	--	--	7.17	14.90	--
HA-16	1/28/2013	22.07	--	--	--	4.73	17.34	--
HA-16	5/9/2013	22.07	--	--	--	5.89	16.18	--
HA-16	8/19/2013	22.07	--	--	--	8.64	13.43	--
HA-16	11/25/2013	22.07	--	--	--	6.10	15.97	--
HA-16	2/14/2014	22.07	--	--	--	5.54	16.53	--
HA-16	5/5/2014	22.07	--	--	--	3.94	18.13	--
HA-16	8/19/2014			Decommissioned Well				
HA-17	8/1/2003	21.92			DRY			
HA-17	3/15/2004	21.92	--	--	--	6.66	15.26	Dry
HA-17	9/21/2004	21.92	--	--	--	7.75	14.17	15.26
HA-17	12/21/2004	21.92	--	--	--	5.07	16.85	14.17
HA-17	1/13/2005	21.92	--	--	--	5.85	16.07	16.07
HA-17	4/28/2005	21.92	--	--	--	4.85	17.07	17.07
HA-17	6/1/2005	21.92	--	--	--	5.09	16.83	16.83
HA-17	6/29/2005	21.92	--	--	--	6.97	14.95	14.95
HA-17	7/20/2005	21.92	--	--	--	7.63	14.29	14.29
HA-17	8/22/2005	21.92	--	--	--	7.82	14.10	14.10
HA-17	9/12/2005	21.92			DRY			Dry
HA-17	10/12/2005	21.92			DRY			Dry
HA-17	11/21/2005	21.92	--	--	--	6.43	15.49	15.49
HA-17	12/27/2005	21.92	--	--	--	5.10	16.82	16.82
HA-17	1/30/2006	21.92	--	--	--	2.81	19.11	19.11
HA-17	2/16/2006	21.92	--	3.68	0.01	3.69	18.24	18.25
HA-17	3/13/2006	21.92	--	--	--	4.63	17.29	17.29
HA-17	4/18/2006	21.92	--	--	--	5.00	16.92	16.92
HA-17	5/12/2006	21.92	--	--	--	5.54	16.38	16.38
HA-17	6/9/2006	21.92	--	--	--	4.97	16.95	16.95
HA-17	7/13/2006	21.92	--	--	--	9.50	12.42	12.42
HA-17	8/16/2006	21.92	--	--	--	7.50	14.42	14.42
HA-17	9/19/2006	21.92			DRY			Dry

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-17	10/13/2006	21.92			DRY			Dry
HA-17	11/20/2006	21.92	--	--	--	4.12	17.80	17.80
HA-17	12/8/2006	21.92	--	--	--	3.48	18.44	18.44
HA-17	1/19/2007	21.92	--	--	--	3.02	18.90	18.90
HA-17	2/19/2007	21.92	--	--	--	5.85	16.07	16.07
HA-17	3/15/2007	21.92	--	--	--	3.97	17.95	17.95
HA-17	4/16/2007	21.92	--	--	--	4.51	17.41	17.41
HA-17	5/14/2007	21.92	--	--	--	6.71	15.21	15.21
HA-17	6/29/2007	21.92	--	--	--	7.58	14.34	14.34
HA-17	7/20/2007	21.92			DRY			Dry
HA-17	8/21/2007	21.92			DRY			Dry
HA-17	9/10/2007	21.92			DRY			Dry
HA-17	10/22/2007	21.82	--	--	--	7.36	14.46	14.46
HA-17	11/28/2007	21.82	--	--	--	6.95	14.87	14.87
HA-17	12/13/2007	21.82	--	--	--	5.89	15.93	15.93
HA-17	1/21/2008	21.82	--	--	--	5.45	16.37	16.37
HA-17	2/24/2008	21.82	--	--	--	6.09	15.73	15.73
HA-17	3/24/2008	21.82	--	--	--	6.41	15.41	15.41
HA-17	8/25/2008	21.82			DRY			Dry
HA-17	2/18/2009	21.82	--	--	--	6.68	15.14	15.14
HA-17	8/25/2009	21.82	--	--	--	8.10	13.72	13.72
HA-17	3/22/2010	21.82	--	--	--	4.92	16.90	16.90
HA-17	8/23/2010	21.82			DRY			Dry
HA-17	2/7/2011	21.82	--	--	--	4.89	16.93	--
HA-17	5/27/2011	21.82			Not Monitored			--
HA-17	8/8/2011	21.82			Dry			--
HA-17	11/14/2011	21.82	--	--	--	7.69	14.13	--
HA-17	2/20/2012	21.82	--	--	--	4.91	16.91	--
HA-17	8/22/2012	21.82	--	--	--	7.61	14.21	--
HA-17	11/5/2012	21.82	--	--	--	7.31	14.51	--
HA-17	1/28/2013	21.82	--	--	--	4.33	17.49	--
HA-17	5/9/2013	21.82	--	--	--	6.00	15.82	--
HA-17	8/19/2013	21.82			DRY			--
HA-17	11/25/2013	21.82	--	--	--	6.46	15.36	--
HA-17	2/14/2014	21.82	--	--	--	5.27	16.55	--
HA-17	5/5/2014	21.82	--	--	--	4.68	17.14	--
HA-17	8/19/2014				Decommissioned Well			--
HA-18	8/11/2003	21.51			DRY			Dry
HA-18	3/15/2004	21.51	6.47	15.04	0.00	6.47	15.04	Dry
HA-18	12/21/2004	21.51	--	--	--	4.98	16.53	15.04
HA-18	1/13/2005	21.51	--	--	--	5.61	15.90	16.53
HA-18	4/28/2005	21.51	--	--	--	4.79	16.72	16.72
HA-18	6/1/2005	21.51	--	--	--	5.00	16.51	16.51
HA-18	6/29/2005	21.51	--	--	--	6.76	14.75	14.75
HA-18	7/20/2005	21.51	--	--	--	7.46	14.05	14.05
HA-18	8/22/2005	21.51	--	--	--	7.45	14.06	14.06
HA-18	9/12/2005	21.51	--	--	--	7.80	13.71	13.71
HA-18	10/12/2005	21.51			DRY			Dry
HA-18	11/21/2005	21.51	--	--	--	7.00	14.51	14.51
HA-18	12/27/2005	21.51	--	--	--	5.88	15.63	15.63
HA-18	1/30/2006	21.51	--	--	--	2.52	18.99	18.99
HA-18	2/16/2006	21.51	--	--	--	3.59	17.92	17.92
HA-18	3/13/2006	21.51	--	--	--	4.52	16.99	16.99
HA-18	4/18/2006	21.51	--	--	--	5.11	16.40	16.40
HA-18	5/12/2006	21.51	--	--	--	5.39	16.12	16.12
HA-18	6/9/2006	21.51	--	--	--	5.15	16.36	16.36
HA-18	7/13/2006	21.51	--	--	--	6.21	15.30	15.30
HA-18	8/16/2006	21.51	--	--	--	7.21	14.30	14.30
HA-18	9/19/2006	21.51			DRY			Dry
HA-18	10/13/2006	21.51	--	--	--	7.75	13.76	13.76
HA-18	11/20/2006	21.51	--	--	--	4.47	17.04	17.04
HA-18	12/8/2006	21.51	--	--	--	3.58	17.93	17.93
HA-18	1/19/2007	21.51	--	--	--	3.15	18.36	18.36
HA-18	2/19/2007	21.51	--	--	--	5.84	15.67	15.67
HA-18	3/15/2007	21.51	--	--	--	4.32	17.19	17.19
HA-18	4/16/2007	21.51	--	--	--	4.43	17.08	17.08
HA-18	5/14/2007	21.51	--	--	--	6.45	15.06	15.06
HA-18	6/29/2007	21.51	--	--	--	7.27	14.24	14.24
HA-18	7/20/2007	21.51	--	--	--	7.87	13.64	13.64
HA-18	8/21/2007	21.51			DRY			Dry
HA-18	9/10/2007	21.51			DRY			Dry
HA-18	10/22/2007	21.51			DRY			Dry
HA-18	11/28/2007	21.51	--	--	--	6.92	14.59	14.59
HA-18	12/13/2007	21.51	--	--	--	5.86	15.65	15.65
HA-18	1/21/2008	21.51	--	--	--	5.62	15.89	15.89
HA-18	2/24/2008	21.51	--	--	--	4.36	17.15	17.15
HA-18	3/24/2008	21.51	--	--	--	6.29	15.22	15.22
HA-18	8/25/2008	21.51	--	--	--	8.07	13.44	13.44
HA-18	2/18/2009	21.51	--	--	--	6.32	15.19	15.19
HA-18	8/25/2009	21.51			DRY			0.00
HA-18	3/22/2010	21.51	--	--	--	4.81	16.70	16.70
HA-18	8/23/2010	21.51	--	--	--	7.26	14.25	14.25
HA-18	2/7/2011	21.51	--	--	--	4.99	16.52	--
HA-18	5/27/2011	21.51			Not Monitored			--
HA-18	8/8/2011	21.51	--	--	--	7.76	13.75	--
HA-18	11/14/2011	21.51	--	--	--	7.58	13.93	--
HA-18	2/20/2012	21.51	--	--	--	5.24	16.27	--
HA-18	11/5/2012	21.51	--	--	--	7.74	13.77	--
HA-18	1/28/2013	21.51	--	--	--	4.34	17.17	--
HA-18	8/19/2013	21.51	--	--	--	8.00	13.51	--
HA-18	11/25/2013	21.51	--	--	--	6.22	15.29	--
HA-18	2/14/2014	21.51	--	--	--	5.50	16.01	--

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-18	5/5/2014	21.51	--	--	--	4.74	16.77	--
HA-18	8/19/2014			Decommissioned Well				
HA-19	4/2/2003	22.92	--	--	--	4.61	18.31	--
HA-19	4/4/2003	22.92	7.10	--	--	7.13	15.79	18.31
HA-19	4/8/2003	22.92	6.61	--	--	6.62	16.31	15.79
HA-19	4/11/2003	22.92	5.69	17.23	0.00	5.69	17.23	16.31
HA-19	4/15/2003	22.92	--	--	--	4.26	18.66	18.66
HA-19	4/17/2003	22.92	--	--	--	5.62	17.30	17.30
HA-19	4/22/2003	22.92	7.21	15.71	0.01	7.22	15.71	15.72
HA-19	4/25/2003	22.92	7.23	15.69	0.00	7.23	15.69	15.69
HA-19	5/2/2003	22.92	--	--	--	7.87	15.05	15.05
HA-19	5/6/2003	22.92	--	--	--	7.80	15.12	15.12
HA-19	5/9/2003	22.92	--	--	--	8.00	14.92	14.92
HA-19	5/23/2003	22.92			DRY			Dry
HA-19	5/28/2003	22.92			DRY			Dry
HA-19	6/13/2003	22.92			DRY			Dry
HA-19	6/18/2003	22.92			DRY			Dry
HA-19	6/27/2003	22.92			DRY			Dry
HA-19	7/7/2003	22.92			DRY			Dry
HA-19	7/16/2003	22.92			DRY			Dry
HA-19	7/31/2003	22.92			DRY			Dry
HA-19	8/5/2003	22.92			DRY			Dry
HA-19	8/11/2003	22.92			DRY			Dry
HA-19	8/22/2003	22.92			DRY			Dry
HA-19	8/26/2003	22.92			DRY			Dry
HA-19	9/2/2003	22.92			DRY			Dry
HA-19	9/9/2003	22.92			DRY			Dry
HA-19	9/19/2003	22.92			DRY			Dry
HA-19	10/14/2003	22.92			DRY			Dry
HA-19	11/20/2003	22.92	--	--	--	4.74	18.18	18.18
HA-19	12/3/2003	22.92	--	--	--	5.35	17.57	17.57
HA-19	1/19/2004	22.92	5.51	17.41	0.005	5.52	17.41	17.41
HA-19	2/24/2004	22.92	7.18	15.74	0.005	7.19	15.74	15.74
HA-19	3/15/2004	22.92	--	--	--	7.94	14.98	14.98
HA-19	4/19/2004	22.92	--	--	--	8.01	14.91	14.91
HA-19	5/17/2004	22.92			DRY			0.00
HA-19	6/22/2004	22.92			DRY			0.00
HA-19	8/18/2004	22.92			DRY			0.00
HA-19	9/21/2004	22.92	--	--	--	6.85	16.07	16.07
HA-19	10/19/2004	22.92	--	--	--	4.21	18.71	18.71
HA-19	11/23/2004	22.92			DRY			0.00
HA-19	12/21/2004	22.92	--	--	--	5.13	17.79	17.79
HA-19	1/13/2005	22.92	--	--	--	7.35	15.57	15.57
HA-19	4/28/2005	22.92	--	--	--	6.97	15.95	15.95
HA-19	6/1/2005	22.92	--	--	--	7.39	15.53	15.53
HA-19	6/29/2005	22.92			DRY			Dry
HA-19	7/20/2005	22.92			DRY			Dry
HA-19	8/22/2005	22.92			DRY			Dry
HA-19	9/12/2005	22.92			DRY			Dry
HA-19	10/12/2005	22.92			DRY			Dry
HA-19	11/21/2005	22.92	--	--	--	8.81	14.11	14.11
HA-19	12/27/2005	22.92	--	--	--	4.17	18.75	18.75
HA-19	1/30/2006	22.92	--	--	--	4.14	18.78	18.78
HA-19	2/16/2006	22.92	--	--	--	6.13	16.79	16.79
HA-19	3/13/2006	22.92	--	--	--	7.16	15.76	15.76
HA-19	4/18/2006	22.92	--	--	--	6.68	16.24	16.24
HA-19	5/12/2006	22.92	--	--	--	7.79	15.13	15.13
HA-19	6/9/2006	22.92	--	--	--	7.33	15.59	15.59
HA-19	7/13/2006	22.92	--	--	--	8.00	14.92	14.92
HA-19	8/16/2006	22.92			DRY			Dry
HA-19	9/19/2006	22.92			DRY			Dry
HA-19	10/16/2006	22.92			DRY			Dry
HA-19	11/20/2006	22.92	--	--	--	4.40	18.52	18.52
HA-19	12/8/2006	22.92	--	--	--	5.54	17.38	17.38
HA-19	1/19/2007	22.92	--	--	--	5.20	17.72	17.72
HA-19	2/19/2007	22.92	--	--	--	7.20	15.72	15.72
HA-19	3/15/2007	22.92	--	--	--	6.09	16.83	16.83
HA-19	4/16/2007	22.92	--	--	--	6.99	15.93	15.93
HA-19	5/14/2007	22.92			DRY			Dry
HA-19	6/29/2007	22.92			DRY			Dry
HA-19	7/20/2007	22.92			DRY			Dry
HA-19	8/21/2007	22.92			DRY			Dry
HA-19	9/10/2007	22.92			DRY			Dry
HA-19	10/22/2007	22.92	--	--	--	3.99	18.93	18.93
HA-19	11/28/2007	22.92	--	--	--	5.71	17.21	17.21
HA-19	12/13/2007	22.92	--	--	--	4.60	18.32	18.32
HA-19	1/21/2008	22.92	--	--	--	6.37	16.55	16.55
HA-19	2/24/2008	22.92	--	--	--	7.41	15.51	15.51
HA-19	3/24/2008	22.92	--	--	--	4.37	18.55	18.55
HA-19	8/25/2008	22.92	--	--	--	6.02	16.90	16.90
HA-19	2/18/2009	22.92	--	--	--	7.75	15.17	15.17
HA-19	8/25/2009	22.92			DRY			Dry
HA-19	3/22/2010	22.92	--	--	--	7.48	15.44	15.44
HA-19	8/23/2010	22.92			DRY			Dry
HA-19	2/7/2011	22.92	--	--	--	6.55	16.37	--
HA-19	2/7/2011	22.92	--	--	--	7.10	15.82	--
HA-19	8/8/2011	22.92			Dry			--
HA-19	11/14/2011	22.92	--	--	--	7.23	15.69	--
HA-19	2/20/2012	22.92	--	--	--	5.58	17.34	--
HA-19	8/22/2012	22.92	--	--	--	Dry	--	--
HA-19	11/5/2012	22.92	--	--	--	4.92	18.00	--
HA-19	1/28/2013	22.92	--	--	--	6.46	16.46	--

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-19	5/9/2013	22.92	--	--	--	7.34	15.58	--
HA-19	8/19/2013	22.92	--	--	DRY			
HA-19	11/25/2013	22.92	--	--	--	6.12	16.80	--
HA-19	2/14/2014	22.92	--	--	--	3.67	19.25	--
HA-19	5/5/2014	22.92	--	--	--	4.51	18.41	--
HA-19	8/19/2014	22.92	--	--	DRY			
HA-19	11/21/2014	22.92	--	--	--	7.03	15.89	--
HA-20	11/24/2002	23.10	--	--	--	7.49	15.61	15.61
HA-20	11/27/2002	23.10	6.46	16.64	3.51	9.97	15.76	18.40
HA-20	12/5/2002	23.10	6.25	16.85	3.57	9.82	15.96	18.64
HA-20	12/11/2002	23.10	6.25	16.85	3.48	9.73	15.98	18.59
HA-20	12/13/2002	23.10	6.12	16.98	3.55	9.67	16.09	18.76
HA-20	12/17/2002	23.10	5.29	17.81	4.20	9.49	16.76	19.91
HA-20	1/3/2003	23.10	3.26	19.84	4.39	7.65	18.74	22.04
HA-20	1/6/2003	23.10	3.83	19.27	3.10	6.93	18.50	20.82
HA-20	1/7/2003	23.10	4.45	18.65	1.16	5.61	18.36	19.23
HA-20	1/8/2003	23.10	4.22	18.88	1.57	5.79	18.49	19.67
HA-20	1/9/2003	23.10	3.97	19.13	3.11	7.08	18.35	20.69
HA-20	1/10/2003	23.10	4.04	19.06	3.24	7.28	18.25	20.68
HA-20	1/13/2003	23.10	4.75	18.35	0.92	5.67	18.12	18.81
HA-20	1/14/2003	23.10	4.15	18.95	3.47	7.62	18.08	20.69
HA-20	1/15/2003	23.10	4.05	19.05	3.10	7.15	18.28	20.60
HA-20	1/16/2003	23.10	4.15	18.95	2.90	7.05	18.23	20.40
HA-20	1/17/2003	23.10	4.18	18.92	2.82	7.00	18.22	20.33
HA-20	1/20/2003	23.10	4.15	18.95	3.09	7.24	18.18	20.50
HA-20	1/22/2003	23.10	3.30	19.80	6.50	9.80	18.18	23.05
HA-20	1/23/2003	23.10	4.80	18.30	3.78	8.58	17.36	20.19
HA-20	1/24/2003	23.10	4.55	18.55	3.66	8.21	17.64	20.38
HA-20	1/27/2003	23.10	3.68	19.42	2.96	6.64	18.68	20.90
HA-20	1/28/2003	23.10	3.82	19.28	3.68	7.50	18.36	21.12
HA-20	1/29/2003	23.10	4.05	19.05	4.44	8.49	17.94	21.27
HA-20	1/30/2003	23.10	4.26	18.84	4.06	8.32	17.83	20.87
HA-20	2/3/2003	23.10	4.33	18.77	3.17	7.50	17.98	20.36
HA-20	2/6/2003	23.10	4.59	18.51	1.80	6.39	18.06	19.41
HA-20	2/11/2003	23.10	6.18	16.92	2.39	8.57	16.32	18.12
HA-20	2/18/2003	23.10	7.40	15.70	0.88	8.28	15.48	16.14
HA-20	2/21/2003	23.10	7.34	15.76	0.73	8.07	15.58	16.13
HA-20	2/26/2003	23.10	6.09	17.01	0.11	6.20	16.98	17.07
HA-20	3/4/2003	23.10	7.47	15.63	1.87	9.34	15.16	16.57
HA-20	3/12/2003	23.10	7.05	16.05	2.63	9.68	15.39	17.37
HA-20	3/14/2003	23.10	7.14	15.96	2.27	9.41	15.39	17.10
HA-20	3/26/2003	23.10	5.64	17.46	3.93	9.57	16.48	19.43
HA-20	3/28/2003	23.10	6.91	16.19	2.50	9.41	15.57	17.44
HA-20	4/2/2003	23.10	6.47	16.63	2.65	9.12	15.97	17.96
HA-20	4/4/2003	23.10	7.01	16.09	2.13	9.14	15.56	17.16
HA-20	4/8/2003	23.10	7.16	15.94	1.49	8.65	15.57	16.69
HA-20	4/11/2003	23.10	7.21	15.89	1.66	8.87	15.48	16.72
HA-20	4/15/2003	23.10	6.91	16.19	0.40	7.31	16.09	16.39
HA-20	4/17/2003	23.10	7.71	15.39	1.00	8.71	15.14	15.89
HA-20	4/22/2003	23.10	7.28	15.82	1.39	8.67	15.47	16.52
HA-20	4/25/2003	23.10	7.72	15.38	1.24	8.96	15.07	16.00
HA-20	5/2/2003	23.10	7.46	15.64	2.41	9.87	15.04	16.85
HA-20	5/6/2003	23.10	7.38	15.72	2.49	9.87	15.10	16.97
HA-20	5/9/2003	23.10	8.05	15.05	1.95	10.00	14.56	16.03
HA-20	5/23/2003	23.10	8.69	14.41	1.76	10.45	13.97	15.29
HA-20	5/28/2003	23.10	8.50	14.60	1.49	9.99	14.23	15.35
HA-20	6/13/2003	23.10	8.75	14.35	1.46	10.21	13.99	15.08
HA-20	6/18/2003	23.10	8.68	14.42	1.57	10.25	14.03	15.21
HA-20	6/27/2003	23.10	8.70	14.40	1.64	10.34	13.99	15.22
HA-20	7/7/2003	23.10	9.64	13.46	0.73	10.37	13.28	13.83
HA-20	7/16/2003	23.10	9.11	13.99	1.43	10.54	13.63	14.71
HA-20	7/31/2003	23.10	9.40	13.70	1.48	10.88	13.33	14.44
HA-20	8/5/2003	23.10	9.50	13.60	1.25	10.75	13.29	14.23
HA-20	8/11/2003	23.10	10.65	12.45	1.37	12.02	12.11	13.14
HA-20	8/22/2003	23.10	10.91	12.19	1.29	12.20	11.87	12.84
HA-20	8/26/2003	23.10	--	--	--	9.81	13.29	13.29
HA-20	9/2/2003	23.10	9.94	13.16	1.33	11.27	12.83	13.83
HA-20	9/9/2003	23.10	10.40	12.70	0.36	10.76	12.61	12.88
HA-20	9/19/2003	23.10	10.38	12.72	0.24	10.62	12.66	12.84
HA-20	10/14/2003	23.10	10.26	12.84	0.75	11.01	12.65	13.22
HA-20	11/20/2003	23.10	--	--	--	7.20	15.90	15.90
HA-20	12/3/2003	23.10	--	--	--	6.21	16.89	16.89
HA-20	1/19/2004	23.10	--	--	--	5.84	17.26	17.26
HA-20	2/24/2004	23.10	--	--	--	7.46	15.64	15.64
HA-20	3/15/2004	23.10	--	--	--	8.44	14.66	14.66
HA-20	4/19/2004	23.10	--	--	--	8.51	14.59	14.59
HA-20	5/17/2004	23.10	--	--	--	8.99	14.11	14.11
HA-20	6/22/2004	23.10	--	--	--	8.83	14.27	14.27
HA-20	8/18/2004	23.10	--	--	--	10.02	13.08	13.08
HA-20	9/21/2004	23.10	--	--	--	9.03	14.07	14.07
HA-20	10/19/2004	23.10	--	--	--	8.17	14.93	14.93
HA-20	11/23/2004	23.10	--	--	--	8.44	14.66	14.66
HA-20	12/21/2004	23.10	--	--	--	6.50	16.60	16.60
HA-20	1/13/2005	23.10	--	--	--	7.35	15.75	15.75
HA-20	4/28/2005	23.10	--	--	--	6.80	16.30	16.30
HA-20	6/1/2005	23.10	--	--	--	7.10	16.00	16.00
HA-20	6/29/2005	23.10	--	--	--	9.72	13.38	13.38
HA-20	7/20/2005	23.10	--	--	--	9.92	13.18	13.18
HA-20	8/22/2005	23.10	--	--	--	9.10	14.00	14.00
HA-20	9/12/2005	23.10	--	--	--	9.73	13.37	13.37
HA-20	10/12/2005	23.10	--	--	--	10.26	12.84	12.84
HA-20	11/21/2005	23.10	--	--	--	8.09	15.01	15.01

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-20	12/27/2005	23.10	--	--	--	7.20	15.90	15.90
HA-20	1/30/2006	23.10	--	--	--	4.50	18.60	18.60
HA-20	2/16/2006	23.10	6.23	16.87	0.01	6.24	16.87	16.88
HA-20	3/13/2006	23.10	--	--	--	7.14	15.96	15.96
HA-20	4/18/2006	23.10	--	--	--	7.40	15.70	15.70
HA-20	5/12/2006	23.10	--	--	--	7.69	15.41	15.41
HA-20	6/9/2006	23.10	--	--	--	7.38	15.72	15.72
HA-20	7/13/2006	23.10	--	--	--	8.37	14.73	14.73
HA-20	8/16/2006	23.10	--	--	--	9.13	13.97	13.97
HA-20	9/19/2006	23.10	--	--	--	9.75	13.35	13.35
HA-20	10/16/2006	23.10	--	--	--	9.55	13.55	13.55
HA-20	11/20/2006	23.10	--	--	--	5.70	17.40	17.40
HA-20	12/8/2006	23.10	--	--	--	5.71	17.39	17.39
HA-20	1/19/2007	23.10	--	--	--	5.42	17.68	17.68
HA-20	2/19/2007	23.10	--	--	--	7.20	15.90	15.90
HA-20	3/15/2007	23.10	--	--	--	6.37	16.73	16.73
HA-20	4/16/2007	23.10	--	--	--	6.78	16.32	16.32
HA-20	5/14/2007	23.10	--	--	--	8.00	15.10	15.10
HA-20	6/29/2007	23.10	--	--	--	9.11	13.99	13.99
HA-20	7/20/2007	23.10	--	--	--	9.46	13.64	13.64
HA-20	8/21/2007	23.10	--	--	--	10.09	13.01	13.01
HA-20	9/10/2007	23.10	--	--	--	10.13	12.97	12.97
HA-20	10/22/2007	23.10	--	--	--	9.04	14.06	14.06
HA-20	11/28/2007	23.10	--	--	--	8.30	14.80	14.80
HA-20	12/13/2007	23.10	--	--	--	7.10	16.00	16.00
HA-20	1/21/2008	23.10	--	--	--	7.31	15.79	15.79
HA-20	2/24/2008	23.10	--	--	--	7.83	15.27	15.27
HA-20	3/24/2008	23.10	--	--	--	8.08	15.02	15.02
HA-20	8/25/2008	23.10	--	--	--	8.34	14.76	14.76
HA-20	2/18/2009	23.10	--	--	--	7.90	15.20	15.20
HA-20	8/25/2009	23.10	--	--	--	10.30	12.80	12.80
HA-20	3/22/2010	23.10	--	--	--	8.07	15.03	15.03
HA-20	8/23/2010	23.10	--	--	--	9.67	13.43	13.43
HA-20	2/7/2011	23.10	--	--	--	0.07	23.03	--
HA-20	5/27/2011	23.10	--	--	--	7.96	15.14	--
HA-20	8/8/2011	23.10	--	--	--	9.32	13.78	--
HA-20	11/14/2011	23.10	--	--	--	9.06	14.04	--
HA-20	2/20/2012	23.10	--	--	--	7.15	15.95	--
HA-20	8/22/2012	23.10	--	--	--	9.08	14.02	--
HA-20	11/5/2012	23.10	--	--	--	8.09	15.01	--
HA-20	1/28/2013	23.10	--	--	--	6.49	16.61	--
HA-20	5/9/2013	23.10	--	--	--	7.48	15.62	--
HA-20	8/19/2013	23.10	--	--	--	9.72	13.38	--
HA-20	11/25/2013	23.10	--	--	--	8.03	15.07	--
HA-20	2/14/2014	23.10	--	--	--	7.49	15.61	--
HA-20	5/5/2014	23.10	--	--	--	6.49	16.61	--
HA-20	8/19/2014				Decommissioned Well			
LAI-1	1/17/2003	20.94	--	--	--	4.17	16.77	--
LAI-1	1/20/2003	20.94	--	--	--	4.18	16.76	--
LAI-1	1/31/2003	20.94	--	--	--	4.28	16.66	16.77
LAI-1	2/7/2003	20.94	4.06	16.88	0.48	4.54	16.76	16.76
LAI-1	2/12/2003	20.94	4.38	16.56	1.08	5.46	16.29	17.10
LAI-1	2/18/2003	20.94	--	--	--	5.40	15.54	15.54
LAI-1	2/21/2003	20.94	--	--	--	5.52	15.42	15.42
LAI-1	2/24/2003	20.94	--	--	--	5.96	14.98	14.98
LAI-1	3/3/2003	20.94	--	--	--	5.76	15.18	15.18
LAI-1	3/12/2003	20.94	--	--	--	5.48	15.46	15.46
LAI-1	3/14/2003	20.94	--	--	--	5.09	15.85	15.85
LAI-1	3/26/2003	20.94	--	--	--	4.76	16.18	16.18
LAI-1	3/28/2003	20.94	--	--	--	4.86	16.08	16.08
LAI-1	4/2/2003	20.94	5.21	15.73	0.01	5.22	15.73	15.74
LAI-1	4/4/2003	20.94	5.19	15.75	0.01	5.20	15.75	15.76
LAI-1	4/8/2003	20.94	5.67	15.27	0.01	5.68	15.27	15.28
LAI-1	4/11/2003	20.94	5.07	15.87	0.01	5.08	15.87	15.88
LAI-1	4/15/2003	20.94	4.62	16.32	0.01	4.63	16.32	16.33
LAI-1	4/17/2003	20.94	6.14	14.80	0.01	6.15	14.80	14.81
LAI-1	4/22/2003	20.94	--	--	--	5.21	15.73	15.73
LAI-1	4/25/2003	20.94	--	--	--	5.43	15.51	15.51
LAI-1	5/2/2003	20.94	--	--	--	5.53	15.41	15.41
LAI-1	5/6/2003	20.94	--	--	--	5.66	15.28	15.28
LAI-1	5/9/2003	20.94	--	--	--	6.15	14.79	14.79
LAI-1	5/16/2003	20.94	--	--	--	6.40	14.54	14.54
LAI-1	5/23/2003	20.94	6.50	14.44	0.01	6.51	14.44	14.45
LAI-1	5/28/2003	20.94	6.45	14.49	0.01	6.46	14.49	14.50
LAI-1	6/13/2003	20.94	6.79	14.15	0.01	6.80	14.15	14.16
LAI-1	6/18/2003	20.94	--	--	--	6.78	14.16	14.16
LAI-1	6/27/2003	20.94	--	--	--	6.81	14.13	14.13
LAI-1	7/7/2003	20.94	--	--	--	7.41	13.53	13.53
LAI-1	7/16/2003	20.94	--	--	--	6.43	14.51	14.51
LAI-1	7/31/2003	20.94	--	--	--	7.49	13.45	13.45
LAI-1	8/5/2003	20.94	--	--	--	7.61	13.33	13.33
LAI-1	8/11/2003	20.94	--	--	--	8.80	12.14	12.14
LAI-1	8/22/2003	20.94	--	--	--	8.98	11.96	11.96
LAI-1	8/26/2003	20.94	--	--	--	7.91	13.03	13.03
LAI-1	9/2/2003	20.94	--	--	--	8.07	12.87	12.87
LAI-1	9/9/2003	20.94	8.39	12.55	0.01	8.40	12.55	12.56
LAI-1	9/19/2003	20.94	--	--	--	8.27	12.67	12.67
LAI-1	10/14/2003	20.94	--	--	--	8.34	12.60	12.60
LAI-1	11/20/2003	20.94	--	--	--	4.63	16.31	16.31
LAI-1	12/3/2003	20.94	--	--	--	4.10	16.84	16.84
LAI-1	1/19/2004	20.94	--	--	--	3.82	17.12	17.12
LAI-1	2/24/2004	20.94	--	--	--	5.22	15.72	15.72

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-1	3/15/2004	20.94	--	--	--	6.16	14.78	14.78
LAI-1	4/19/2004	20.94	--	--	--	6.29	14.65	14.65
LAI-1	5/17/2004	20.94	--	--	--	6.81	14.13	14.13
LAI-1	6/22/2004	20.94	--	--	--	6.64	14.30	14.30
LAI-1	8/18/2004	20.94	--	--	--	7.81	13.13	13.13
LAI-1	9/21/2004	20.94	--	--	--	6.90	14.04	14.04
LAI-1	10/19/2004	20.94	--	--	--	6.00	14.94	14.94
LAI-1	11/23/2004	20.94	--	--	--	6.25	14.69	14.69
LAI-1	12/21/2004	20.94	--	--	--	4.38	16.56	16.56
LAI-1	1/13/2005	20.94	--	--	--	5.22	15.72	15.72
LAI-1	4/28/2005	20.94	--	--	--	4.72	16.22	16.22
LAI-1	6/1/2005	20.94	--	--	--	4.98	15.96	15.96
LAI-1	6/29/2005	20.94	--	--	--	6.59	14.35	14.35
LAI-1	7/20/2005	20.94	--	--	--	6.77	14.17	14.17
LAI-1	8/22/2005	20.94	--	--	--	6.95	13.99	13.99
LAI-1	9/12/2005	20.94	--	--	--	7.50	13.44	13.44
LAI-1	10/12/2005	20.94	--	--	--	8.04	12.90	12.90
LAI-1	11/21/2005	20.94	--	--	--	5.89	15.05	15.05
LAI-1	12/27/2005	20.94	--	--	--	4.99	15.95	15.95
LAI-1	1/30/2006	20.94	--	--	--	2.50	18.44	18.44
LAI-1	2/16/2006	20.94	--	--	--	4.27	16.67	16.67
LAI-1	3/13/2006	20.94	--	--	--	5.07	15.87	15.87
LAI-1	4/18/2006	20.94	--	--	--	5.25	15.69	15.69
LAI-1	5/12/2006	20.94	--	--	--	5.52	15.42	15.42
LAI-1	6/9/2006	20.94	--	--	--	5.23	15.71	15.71
LAI-1	7/13/2006	20.94	--	--	--	6.20	14.74	14.74
LAI-1	8/16/2006	20.94	--	--	--	7.00	13.94	13.94
LAI-1	9/19/2006	20.94	--	--	--	7.54	13.40	13.40
LAI-1	10/13/2006	20.94	--	--	--	7.33	13.61	13.61
LAI-1	11/20/2006	20.94	--	--	--	3.62	17.32	17.32
LAI-1	12/8/2006	20.94	--	--	--	3.70	17.24	17.24
LAI-1	1/19/2007	20.94	--	--	--	3.57	17.37	17.37
LAI-1	2/19/2007	20.94	--	--	--	5.05	15.89	15.89
LAI-1	3/15/2007	20.94	--	--	--	4.50	16.44	16.44
LAI-1	4/16/2007	20.94	--	--	--	4.75	16.19	16.19
LAI-1	5/14/2007	20.94	--	--	--	4.82	16.12	16.12
LAI-1	6/29/2007	20.94	--	--	--	6.92	14.02	14.02
LAI-1	7/20/2007	20.94	--	--	--	7.22	13.72	13.72
LAI-1	8/21/2007	20.94	--	--	--	7.88	13.06	13.06
LAI-1	9/10/2007	20.94	--	--	--	7.91	13.03	13.03
LAI-1	10/22/2007	20.94	--	--	--	6.84	14.10	14.10
LAI-1	11/28/2007	20.94	--	--	--	6.11	14.83	14.83
LAI-1	12/13/2007	20.94	--	--	--	4.96	15.98	15.98
LAI-1	1/21/2008	20.94	--	--	--	5.19	15.75	15.75
LAI-1	2/24/2008	20.94	--	--	--	5.66	15.28	15.28
LAI-1	3/24/2008	20.94	--	--	--	5.90	15.04	15.04
LAI-1	8/25/2008	20.94	--	--	--	7.45	13.49	13.49
LAI-1	2/18/2009	20.94	--	--	--	5.89	15.05	15.05
LAI-1	8/25/2009	20.94	--	--	--	8.10	12.84	12.84
LAI-1	3/22/2010	20.94	--	--	--	6.10	14.84	14.84
LAI-1	8/23/2010	20.94	--	--	--	7.52	13.42	13.42
LAI-1	2/7/2011	20.94	--	--	--	4.78	16.16	
LAI-1	5/27/2011	20.94	--	--	Not Monitored			
LAI-1	8/8/2011	20.94	--	--	--	7.13	13.81	--
LAI-1	11/14/2011	20.94	--	--	--	8.50	12.44	--
LAI-1	2/20/2012	20.94	--	--	--	5.47	15.47	--
LAI-1	8/22/2012	20.94	--	--	--	6.91	14.03	--
LAI-1	11/5/2012	20.94	--	--	--	5.84	15.10	--
LAI-1	1/28/2013	20.94	--	--	--	4.59	16.35	--
LAI-1	5/9/2013	20.94	--	--	--	5.57	15.37	--
LAI-1	8/19/2013	20.94	--	--	--	7.55	13.39	--
LAI-1	11/25/2013	20.94	--	--	--	6.08	14.86	--
LAI-1	2/14/2014	20.94	--	--	--	5.62	15.32	--
LAI-1	5/5/2014	20.94	--	--	--	4.68	16.26	--
LAI-1	8/19/2014	20.94	--	--	--	7.33	13.61	--
LAI-1	11/21/2014	20.94	--	--	--	4.87	16.07	--
LAI-2	1/17/2003	20.89	--	--	--	4.14	16.75	--
LAI-2	1/20/2003	20.89	--	--	--	4.25	16.64	16.75
LAI-2	1/31/2003	20.89	--	--	--	4.55	16.34	16.64
LAI-2	2/7/2003	20.89	--	--	--	4.41	16.48	16.34
LAI-2	2/12/2003	20.89	--	--	--	4.71	16.18	16.18
LAI-2	2/18/2003	20.89	--	--	--	5.44	15.45	15.45
LAI-2	2/21/2003	20.89	--	--	--	5.61	15.28	15.28
LAI-2	2/24/2003	20.89	--	--	--	5.89	15.00	15.00
LAI-2	3/3/2003	20.89	--	--	--	5.17	15.72	15.72
LAI-2	3/12/2003	20.89	--	--	--	5.37	15.52	15.52
LAI-2	3/14/2003	20.89	--	--	--	5.24	15.65	15.65
LAI-2	3/26/2003	20.89	--	--	--	4.61	16.28	16.28
LAI-2	3/28/2003	20.89	--	--	--	4.72	16.17	16.17
LAI-2	4/2/2003	20.89	--	--	--	5.51	15.38	15.38
LAI-2	4/4/2003	20.89	--	--	--	5.48	15.41	15.41
LAI-2	4/8/2003	20.89	--	--	--	5.55	15.34	15.34
LAI-2	4/11/2003	20.89	--	--	--	5.19	15.70	15.70
LAI-2	4/15/2003	20.89	--	--	--	4.80	16.09	16.09
LAI-2	4/17/2003	20.89	--	--	--	5.96	14.93	14.93
LAI-2	4/22/2003	20.89	--	--	--	5.33	15.56	15.56
LAI-2	4/25/2003	20.89	--	--	--	5.49	15.40	15.40
LAI-2	5/2/2003	20.89	--	--	--	5.78	15.11	15.11
LAI-2	5/6/2003	20.89	--	--	--	5.42	15.47	15.47
LAI-2	5/9/2003	20.89	--	--	--	6.30	14.59	14.59
LAI-2	5/16/2003	20.89	--	--	--	6.54	14.35	14.35
LAI-2	5/23/2003	20.89	--	--	--	6.63	14.26	14.26

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-2	5/28/2003	20.89	--	--	--	6.51	14.38	14.38
LAI-2	6/13/2003	20.89	--	--	--	6.91	13.98	13.98
LAI-2	6/18/2003	20.89	--	--	--	6.86	14.03	14.03
LAI-2	6/27/2003	20.89	--	--	--	6.87	14.02	14.02
LAI-2	7/7/2003	20.89	--	--	--	7.40	13.49	13.49
LAI-2	7/16/2003	20.89	--	--	--	6.52	14.37	14.37
LAI-2	7/31/2003	20.89	--	--	--	7.48	13.41	13.41
LAI-2	8/5/2003	20.89	--	--	--	7.56	13.33	13.33
LAI-2	8/11/2003	20.89	--	--	--	8.81	12.08	12.08
LAI-2	8/22/2003	20.89	--	--	--	8.99	11.90	11.90
LAI-2	8/26/2003	20.89	--	--	--	7.86	13.03	13.03
LAI-2	9/2/2003	20.89	8.03	12.86	0.01	8.04	12.86	12.87
LAI-2	9/9/2003	20.89	--	--	--	8.46	12.43	12.43
LAI-2	9/19/2003	20.89	--	--	--	8.15	12.74	12.74
LAI-2	10/14/2003	20.89	--	--	--	8.25	12.64	12.64
LAI-2	11/20/2003	20.89	--	--	--	4.82	16.07	16.07
LAI-2	12/3/2003	20.89	--	--	--	4.13	16.76	16.76
LAI-2	1/19/2004	20.89	--	--	--	3.80	17.09	17.09
LAI-2	2/24/2004	20.89	--	--	--	5.26	15.63	15.63
LAI-2	3/15/2004	20.89	--	--	--	6.21	14.68	14.68
LAI-2	4/19/2004	20.89	--	--	--	6.31	14.58	14.58
LAI-2	5/17/2004	20.89	--	--	--	6.75	14.14	14.14
LAI-2	6/22/2004	20.89	--	--	--	6.61	14.28	14.28
LAI-2	8/18/2004	20.89	--	--	--	7.82	13.07	13.07
LAI-2	9/21/2004	20.89	--	--	--	6.81	14.08	14.08
LAI-2	10/19/2004	20.89	--	--	--	5.96	14.93	14.93
LAI-2	11/23/2004	20.89	--	--	--	6.34	14.55	14.55
LAI-2	12/21/2004	20.89	--	--	--	4.35	16.54	16.54
LAI-2	1/13/2005	20.89	--	--	--	5.15	15.74	15.74
LAI-2	4/28/2005	20.89	--	--	--	4.68	16.21	16.21
LAI-2	6/1/2005	20.89	--	--	--	4.95	15.94	15.94
LAI-2	6/29/2005	20.89	--	--	--	6.69	14.20	14.20
LAI-2	7/20/2005	20.89	--	--	--	6.80	14.09	14.09
LAI-2	8/22/2005	20.89	--	--	--	6.93	13.96	13.96
LAIx-2	9/12/2005	20.67	--	--	--	10.23	10.44	10.44
LAIx-2	10/12/2005	20.67	--	--	--	9.91	10.76	10.76
LAIx-2	11/21/2005	20.67	--	--	--	8.23	12.44	12.44
LAIx-2	12/27/2005	20.67	--	--	--	6.92	13.75	13.75
LAIx-2	1/30/2006	20.67	--	--	--	5.34	15.33	15.33
LAIx-2	2/16/2006	20.67	7.39	13.28	0.01	7.40	13.28	13.29
LAIx-2	3/13/2006	20.67	--	--	--	7.71	12.96	12.96
LAIx-2	4/18/2006	20.67	--	--	--	7.89	12.78	12.78
LAIx-2	5/12/2006	20.67	--	--	--	8.83	11.84	11.84
LAIx-2	6/9/2006	20.67	--	--	--	8.16	12.51	12.51
LAIx-2	7/13/2006	20.67	--	--	--	9.43	11.24	11.24
LAIx-2	8/16/2006	20.67	--	--	--	10.17	10.50	10.50
LAIx-2	9/19/2006	20.67	--	--	--	9.65	11.02	11.02
LAIx-2	10/13/2006	20.67	--	--	--	9.62	11.05	11.05
LAIx-2	11/20/2006	20.67	--	--	--	5.33	15.34	15.34
LAIx-2	12/8/2006	20.67	--	--	--	6.14	14.53	14.53
LAIx-2	1/19/2007	20.67	--	--	--	5.75	14.92	14.92
LAIx-2	2/19/2007	20.67	--	--	--	7.51	13.16	13.16
LAIx-2	3/15/2007	20.67	--	--	--	6.50	14.17	14.17
LAIx-2	4/16/2007	20.67	--	--	--	7.14	13.53	13.53
LAIx-2	5/14/2007	20.67	--	--	--	8.17	12.50	12.50
LAIx-2	6/29/2007	20.67	--	--	--	8.86	11.81	11.81
LAIx-2	7/20/2007	20.67	--	--	--	9.13	11.54	11.54
LAIx-2	8/21/2007	20.67	--	--	--	9.30	11.37	11.37
LAIx-2	9/10/2007	20.67	--	--	--	9.18	11.49	11.49
LAIx-2	10/22/2007	20.67	--	--	--	7.30	13.37	13.37
LAIx-2	11/28/2007	20.67	--	--	--	6.72	13.95	13.95
LAIx-2	12/13/2007	20.67	--	--	--	4.96	15.71	15.71
LAIx-2	1/21/2008	20.67	--	--	--	5.24	15.43	15.43
LAIx-2	2/24/2008	20.67	--	--	--	5.94	14.73	14.73
LAIx-2	3/24/2008	20.67	--	--	--	6.37	14.30	14.30
LAIx-2	8/25/2008	20.67	--	--	--	7.96	12.71	12.71
LAIx-2	2/18/2009	20.67	--	--	--	6.04	14.63	14.63
LAIx-2	8/25/2009	20.67	--	--	--	8.78	11.89	11.89
LAIx-2	3/22/2010	20.67	--	--	--	6.42	14.25	14.25
LAIx-2	8/23/2010	20.67	--	--	--	8.20	12.47	12.47
LAIx-2	2/7/2011	20.67	--	--	--	4.80	15.87	--
LAIx-2	5/27/2011	20.67	--	--	--	6.65	14.02	--
LAIx-2	8/8/2011	20.67	--	--	--	7.41	13.26	--
LAIx-2	11/14/2011	20.67	--	--	--	6.94	13.73	--
LAIx-2	2/20/2012	20.67	--	--	--	5.54	15.13	--
LAIx-2	8/22/2012	20.67	--	--	--	6.94	13.73	--
LAIx-2	11/5/2012	20.67	--	--	--	5.65	15.02	--
LAIx-2	1/28/2013	20.67	--	--	--	4.64	16.03	--
LAIx-2	5/9/2013	20.67	--	--	--	8.38	12.29	--
LAIx-2	8/19/2013	20.67	--	--	--	10.60	10.07	--
LAIx-2	11/25/2013	20.67	--	--	--	7.92	12.75	--
LAIx-2	2/14/2014	20.67	--	--	--	7.42	13.25	--
LAIx-2	5/5/2014	20.67	--	--	--	6.19	14.48	--
LAIx-2	8/19/2014	20.67	--	--	--	9.12	11.55	--
LAIx-2	11/21/2014	20.67	--	--	--	6.89	13.78	--
LAI-3	1/17/2003	20.74	--	--	--	4.37	16.37	--
LAI-3	1/20/2003	20.74	--	--	--	4.28	16.46	16.37
LAI-3	1/31/2003	20.74	--	--	--	4.94	15.80	16.46
LAI-3	2/7/2003	20.74	--	--	--	4.41	16.33	15.80
LAI-3	2/12/2003	20.74	--	--	--	4.70	16.04	16.04
LAI-3	2/18/2003	20.74	--	--	--	5.21	15.53	15.53

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-3	2/21/2003	20.74	--	--	--	5.58	15.16	15.16
LAI-3	2/24/2003	20.74	--	--	--	5.66	15.08	15.08
LAI-3	3/3/2003	20.74	--	--	--	5.13	15.61	15.61
LAI-3	3/12/2003	20.74	--	--	--	5.32	15.42	15.42
LAI-3	3/14/2003	20.74	--	--	--	5.16	15.58	15.58
LAI-3	3/26/2003	20.74	--	--	--	4.65	16.09	16.09
LAI-3	3/28/2003	20.74	--	--	--	4.75	15.99	15.99
LAI-3	4/2/2003	20.74	--	--	--	5.57	15.17	15.17
LAI-3	4/4/2003	20.74	--	--	--	5.53	15.21	15.21
LAI-3	4/8/2003	20.74	--	--	--	5.69	15.05	15.05
LAI-3	4/11/2003	20.74	--	--	--	5.15	15.59	15.59
LAI-3	4/15/2003	20.74	--	--	--	4.75	15.99	15.99
LAI-3	4/17/2003	20.74	--	--	--	6.08	14.66	14.66
LAI-3	4/22/2003	20.74	--	--	--	5.27	15.47	15.47
LAI-3	4/25/2003	20.74	--	--	--	5.45	15.29	15.29
LAI-3	5/2/2003	20.74	--	--	--	5.76	14.98	14.98
LAI-3	5/6/2003	20.74	--	--	--	5.61	15.13	15.13
LAI-3	5/9/2003	20.74	--	--	--	6.30	14.44	14.44
LAI-3	5/16/2003	20.74	--	--	--	6.53	14.21	14.21
LAI-3	5/23/2003	20.74	--	--	--	6.57	14.17	14.17
LAI-3	5/28/2003	20.74	--	--	--	6.44	14.30	14.30
LAI-3	6/13/2003	20.74	--	--	--	6.85	13.89	13.89
LAI-3	6/18/2003	20.74	--	--	--	6.81	13.93	13.93
LAI-3	6/27/2003	20.74	--	--	--	6.83	13.91	13.91
LAI-3	7/7/2003	20.74	--	--	--	7.32	13.42	13.42
LAI-3	7/16/2003	20.74	--	--	--	6.47	14.27	14.27
LAI-3	7/31/2003	20.74	--	--	--	7.37	13.37	13.37
LAI-3	8/5/2003	20.74	--	--	--	7.49	13.25	13.25
LAI-3	8/11/2003	20.74	--	--	--	7.68	13.06	13.06
LAI-3	8/22/2003	20.74	--	--	--	8.74	12.00	12.00
LAI-3	8/26/2003	20.74	--	--	--	7.74	13.00	13.00
LAI-3	9/2/2003	20.74	--	--	--	8.03	12.71	12.71
LAI-3	9/9/2003	20.74	--	--	--	8.45	12.29	12.29
LAI-3	9/19/2003	20.74	--	--	--	8.10	12.64	12.64
LAI-3	10/14/2003	20.74	--	--	--	8.20	12.54	12.54
LAI-3	11/20/2003	20.74	--	--	--	4.77	15.97	15.97
LAI-3	12/3/2003	20.74	--	--	--	4.08	16.66	16.66
LAI-3	1/19/2004	20.74	--	--	--	3.55	17.19	17.19
LAI-3	2/24/2004	20.74	--	--	--	5.23	15.51	15.51
LAI-3	3/15/2004	20.74	--	--	--	6.20	14.54	14.54
LAI-3	4/19/2004	20.74	--	--	--	6.21	14.53	14.53
LAI-3	5/17/2004	20.74	--	--	--	6.66	14.08	14.08
LAI-3	6/22/2004	20.74	--	--	--	6.46	14.28	14.28
LAI-3	8/18/2004	20.74	--	--	--	7.76	12.98	12.98
LAI-3	9/21/2004	20.74	--	--	--	6.70	14.04	14.04
LAI-3	10/19/2004	20.74	--	--	--	5.82	14.92	14.92
LAI-3	11/23/2004	20.74	--	--	--	6.14	14.60	14.60
LAI-3	12/21/2004	20.74	--	--	--	4.22	16.52	16.52
LAI-3	1/13/2005	20.74	--	--	--	5.03	15.71	15.71
LAI-3	4/28/2005	20.74	--	--	--	4.55	16.19	16.19
LAI-3	6/1/2005	20.74	--	--	--	4.86	15.88	15.88
LAI-3	6/29/2005	20.74	--	--	--	6.69	14.05	14.05
LAI-3	7/20/2005	20.74	--	--	--	6.71	14.03	14.03
LAI-3	8/22/2005	20.74	--	--	--	6.82	13.92	13.92
LAI-3	5/27/2011	20.74	--	--	Not Monitored			
LAIx-3	9/12/2005	20.74	--	--	--	10.31	10.43	10.43
LAIx-3	10/12/2005	20.74	--	--	--	9.99	10.75	10.75
LAIx-3	11/21/2005	20.74	8.31	12.43	0.01	8.32	12.43	12.44
LAIx-3	12/27/2005	20.74	--	--	--	7.15	13.59	13.59
LAIx-3	1/30/2006	20.74	6.00	14.74	0.01	6.01	14.74	14.75
LAIx-3	2/16/2006	20.74	--	--	--	7.85	12.89	12.89
LAIx-3	3/13/2006	20.74	--	--	--	8.18	12.56	12.56
LAIx-3	4/18/2006	20.74	--	--	--	8.36	12.38	12.38
LAIx-3	5/12/2006	20.74	--	--	--	8.87	11.87	11.87
LAIx-3	6/9/2006	20.74	--	--	--	8.65	12.09	12.09
LAIx-3	7/13/2006	20.74	--	--	--	9.90	10.84	10.84
LAIx-3	8/16/2006	20.74	--	--	--	10.63	10.11	10.11
LAIx-3	9/19/2006	20.74	--	--	--	10.25	10.49	10.49
LAIx-3	10/13/2006	20.74	--	--	--	10.28	10.46	10.46
LAIx-3	11/20/2006	20.74	--	--	--	7.14	13.60	13.60
LAIx-3	12/8/2006	20.74	--	--	--	7.84	12.90	12.90
LAIx-3	1/19/2007	20.74	--	--	--	7.61	13.13	13.13
LAIx-3	2/19/2007	20.74	--	--	--	7.86	12.88	12.88
LAIx-3	3/15/2007	20.74	--	--	--	7.34	13.40	13.40
LAIx-3	4/16/2007	20.74	--	--	--	7.86	12.88	12.88
LAIx-3	5/14/2007	20.74	--	--	--	8.61	12.13	12.13
LAIx-3	6/29/2007	20.74	--	--	--	9.27	11.47	11.47
LAIx-3	7/20/2007	20.74	--	--	--	9.59	11.15	11.15
LAIx-3	8/21/2007	20.74	--	--	--	9.80	10.94	10.94
LAIx-3	9/10/2007	20.74	--	--	--	9.92	10.82	10.82
LAIx-3	10/22/2007	20.74	--	--	--	8.48	12.26	12.26
LAIx-3	11/28/2007	20.74	--	--	--	8.10	12.64	12.64
LAIx-3	12/13/2007	20.74	--	--	--	6.13	14.61	14.61
LAIx-3	1/21/2008	20.74	--	--	--	6.73	14.01	14.01
LAIx-3	2/24/2008	20.74	--	--	--	7.31	13.43	13.43
LAIx-3	3/24/2008	20.74	--	--	--	7.45	13.29	13.29
LAIx-3	8/25/2008	20.74	--	--	--	9.91	10.83	10.83
LAIx-3	2/18/2009	20.74	--	--	--	7.68	13.06	13.06
LAIx-3	8/25/2009	20.74	--	--	--	9.83	10.91	10.91
LAIx-3	3/22/2010	20.74	--	--	--	7.60	13.14	13.14
LAIx-3	8/23/2010	20.74	--	--	--	9.31	11.43	11.43
LAIx-3	2/7/2011	20.74	--	--	--	5.73	15.01	--

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAIx-3	5/27/2011	20.74			Not Monitored			
LAIx-3	8/8/2011	20.74	--	--	--	9.06	11.68	--
LAIx-3	11/14/2011	20.74	--	--	--	7.17	13.57	--
LAIx-3	2/20/2012	20.74	--	--	--	7.30	13.44	--
LAIx-3	8/22/2012	20.74	--	--	--	9.11	11.63	--
LAIx-3	11/5/2012	20.74	--	--	--	6.55	14.19	--
LAIx-3	1/28/2013	20.74	--	--	--	6.09	14.65	--
LAIx-3	5/9/2013	20.74	--	--	--	7.02	13.72	--
LAIx-3	8/19/2013	20.74	--	--	--	9.76	10.98	--
LAIx-3	11/25/2013	20.74	--	--	--	7.83	12.91	--
LAIx-3	2/14/2014	20.74	--	--	--	6.98	13.76	--
LAIx-3	5/5/2014	20.74	--	--	--	5.91	14.83	--
LAIx-3	8/19/2014	20.74	--	--	--	8.52	12.22	--
LAIx-3	11/21/2014	20.74	--	--	--	6.34	14.40	--
LAI-4	1/22/2003	22.43	6.87	15.56	0.43	7.30	15.45	--
LAI-4	1/23/2003	22.43	7.48	14.95	0.20	7.68	14.90	15.78
LAI-4	1/24/2003	22.43	6.72	15.71	0.67	7.39	15.54	15.05
LAI-4	1/27/2003	22.43	4.47	17.96	4.67	9.14	16.79	16.05
LAI-4	1/28/2003	22.43	4.97	17.46	4.43	9.40	16.35	19.68
LAI-4	1/29/2003	22.43	7.40	15.03	0.05	7.45	15.02	15.06
LAI-4	1/30/2003	22.43	7.88	14.55	0.06	7.94	14.54	14.58
LAI-4	2/3/2003	22.43	6.25	16.18	2.16	8.41	15.64	17.26
LAI-4	2/6/2003	23.88	6.28	17.60	1.04	7.32	17.34	18.12
LAI-4	2/11/2003	23.88	7.54	16.34	1.44	8.98	15.98	17.06
LAI-4	2/18/2003	23.88	9.28	14.60	0.17	9.45	14.56	14.69
LAI-4	2/21/2003	23.88	9.11	14.77	0.09	9.20	14.75	14.82
LAI-4	2/26/2003	23.88	8.37	15.51	1.35	9.72	15.17	16.19
LAI-4	3/3/2003	23.88	8.57	15.31	0.86	9.43	15.10	15.74
LAI-4	3/12/2003	23.88	8.80	15.08	0.14	8.94	15.05	15.15
LAI-4	3/14/2003	23.88	8.68	15.20	0.14	8.82	15.17	15.27
LAI-4	3/26/2003	23.88	--	--	--	9.06	14.82	14.82
LAI-4	3/28/2003	23.88	--	--	--	9.28	14.60	14.60
LAI-4	4/2/2003	23.88	8.21	15.67	0.08	8.29	15.65	15.71
LAI-4	4/4/2003	23.88	8.58	15.30	0.04	8.62	15.29	15.32
LAI-4	4/8/2003	23.88	8.51	15.37	0.13	8.64	15.34	15.44
LAI-4	4/11/2003	23.88	8.78	15.10	0.14	8.92	15.07	15.17
LAI-4	4/15/2003	23.88	7.86	16.02	0.95	8.81	15.78	16.50
LAI-4	4/17/2003	23.88	9.19	14.69	0.02	9.21	14.69	14.70
LAI-4	4/22/2003	23.88	6.61	17.27	0.19	6.80	17.22	17.37
LAI-4	4/25/2003	23.88	8.96	14.92	0.25	9.21	14.86	15.05
LAI-4	5/2/2003	23.88	9.06	14.82	0.10	9.16	14.80	14.87
LAI-4	5/6/2003	23.88	8.56	15.32	1.85	10.41	14.86	16.25
LAI-4	5/9/2003	23.88	10.96	12.92	0.02	10.98	12.92	12.93
LAI-4	5/23/2003	23.88	10.17	13.71	0.02	10.19	13.71	13.72
LAI-4	5/28/2003	23.88	9.81	14.07	0.03	9.84	14.06	14.09
LAI-4	6/13/2003	23.88	10.09	13.79	0.03	10.12	13.78	13.81
LAI-4	6/18/2003	23.88	10.05	13.83	0.08	10.13	13.81	13.87
LAI-4	6/27/2003	23.88	9.92	13.96	0.82	10.74	13.76	14.37
LAI-4	7/7/2003	23.88	10.27	13.61	1.44	11.71	13.25	14.33
LAI-4	7/16/2003	23.88	9.92	13.96	2.10	12.02	13.44	15.01
LAI-4	7/31/2003	23.88	10.58	13.30	1.12	11.70	13.02	13.86
LAI-4	8/5/2003	23.88	10.32	13.56	1.97	12.29	13.07	14.55
LAI-4	8/11/2003	23.88	11.70	12.18	1.09	12.79	11.91	12.73
LAI-4	8/22/2003	23.88	11.96	11.92	1.28	13.24	11.60	12.56
LAI-4	8/26/2003	23.88	11.09	12.79	1.15	12.24	12.50	13.37
LAI-4	9/2/2003	23.88	11.04	12.84	1.32	12.36	12.51	13.50
LAI-4	9/9/2003	23.88	11.10	12.78	2.16	13.26	12.24	13.86
LAI-4	9/19/2003	23.88	11.14	12.74	1.35	12.49	12.40	13.42
LAI-4	10/14/2003	23.88	11.21	12.67	1.59	12.80	12.27	13.47
LAI-4	11/20/2003	23.88	8.21	15.67	0.09	8.30	15.65	15.72
LAI-4	12/3/2003	23.88	7.12	16.76	1.06	8.18	16.50	17.29
LAI-4	1/19/2004	23.88	6.84	17.04	0.72	7.56	16.86	17.40
LAI-4	2/24/2004	23.88	8.25	15.63	0.65	8.90	15.47	15.96
LAI-4	3/15/2004	23.88	9.42	14.46	0.09	9.51	14.44	14.51
LAI-4	4/19/2004	23.88	9.19	14.69	0.01	9.20	14.69	14.70
LAI-4	5/17/2004	23.88	--	--	--	10.05	13.83	13.83
LAI-4	6/22/2004	23.88	--	--	--	9.98	13.90	13.90
LAI-4	8/18/2004	23.88	11.20	12.68	0.05	11.25	12.67	12.71
LAI-4	9/21/2004	23.88	--	--	--	10.05	13.83	13.83
LAI-4	10/19/2004	24.88	--	--	--	9.23	15.65	15.65
LAI-4	11/23/2004	24.88	--	--	--	9.45	15.43	15.43
LAI-4	12/21/2004	24.88	--	--	--	7.60	17.28	17.28
LAI-4	1/13/2005	24.88	--	--	--	8.37	16.51	16.51
LAI-4	4/28/2005	24.88	--	--	--	8.57	16.31	16.31
LAI-4	6/1/2005	24.88	--	--	--	8.15	16.73	16.73
LAI-4	6/29/2005	24.88	--	--	--	10.05	14.83	14.83
LAI-4	7/20/2005	24.88	--	--	--	10.45	14.43	14.43
LAI-4	8/22/2005	24.88	--	--	--	10.12	14.76	14.76
LAI-4	5/27/2011	24.88			Not Monitored			
LAIx-4	9/12/2005	25.50	--	--	--	14.15	11.35	11.35
LAIx-4	10/12/2005	25.50	--	--	--	14.78	10.72	10.72
LAIx-4	11/21/2005	25.50	12.76	12.74	0.01	12.77	12.74	12.75
LAIx-4	12/27/2005	25.50	--	--	--	11.95	13.55	13.55
LAIx-4	1/30/2006	25.50	--	--	--	10.60	14.90	14.90
LAIx-4	2/16/2006	25.50	--	--	--	12.68	12.82	12.82
LAIx-4	3/13/2006	25.50	--	--	--	12.95	12.55	12.55
LAIx-4	4/18/2006	25.50	--	--	--	13.05	12.45	12.45
LAIx-4	5/12/2006	25.50	--	--	--	13.70	11.80	11.80
LAIx-4	6/9/2006	25.50	--	--	--	13.45	12.05	12.05
LAIx-4	7/13/2006	25.50	--	--	--	15.65	9.85	9.85
LAIx-4	8/16/2006	25.50	15.41	10.09	0.02	15.43	10.09	10.10

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAIx-4	9/19/2006	25.50	--	--	--	15.05	10.45	10.45
LAIx-4	10/13/2006	25.50	--	--	--	15.13	10.37	10.37
LAIx-4	11/20/2006	25.50	--	--	--	12.43	13.07	13.07
LAIx-4	12/8/2006	25.50	--	--	--	12.76	12.74	12.74
LAIx-4	1/19/2007	25.50	--	--	--	12.38	13.12	13.12
LAIx-4	2/19/2007	25.50	--	--	--	12.96	12.54	12.54
LAIx-4	3/15/2007	25.50	--	--	--	12.70	12.80	12.80
LAIx-4	4/16/2007	25.50	--	--	--	13.11	12.39	12.39
LAIx-4	5/14/2007	25.50	--	--	--	13.73	11.77	11.77
LAIx-4	6/29/2007	25.50	--	--	--	14.19	11.31	11.31
LAIx-4	7/20/2007	25.50	--	--	--	14.57	10.93	10.93
LAIx-4	8/21/2007	25.50	--	--	--	14.74	10.76	10.76
LAIx-4	9/10/2007	25.50	--	--	--	14.82	10.68	10.68
LAIx-4	10/22/2007	25.50	--	--	--	13.64	11.86	11.86
LAIx-4	11/28/2007	25.50	--	--	--	13.45	12.05	12.05
LAIx-4	12/13/2007	25.50	--	--	--	12.80	12.70	12.70
LAIx-4	1/21/2008	25.50	--	--	--	8.78	16.72	16.72
LAIx-4	2/24/2008	25.50	--	--	--	13.23	12.27	12.27
LAIx-4	3/24/2008	25.50	--	--	--	12.81	12.69	12.69
LAIx-4	8/25/2008	25.50	--	--	--	13.97	11.53	11.53
LAIx-4	2/18/2009	22.50	--	--	--	13.44	9.06	9.06
LAIx-4	8/25/2009	22.50	--	--	--	15.09	7.41	7.41
LAIx-4	3/22/2010	22.50	--	--	--	13.20	9.30	9.30
LAIx-4	8/23/2010	25.50	--	--	--	12.67	12.83	12.83
LAIx-4	2/7/2011	25.50	--	--	--	12.68	12.82	12.82
LAIx-4	5/27/2011	25.50	--	--	Not Monitored			
LAI-5	1/22/2003	23.04	6.55	16.49	4.18	10.73	15.45	18.58
LAI-5	1/23/2003	23.04	6.54	16.50	4.02	10.56	15.50	18.51
LAI-5	1/24/2003	23.04	6.40	16.64	3.92	10.32	15.66	18.60
LAI-5	1/27/2003	23.04	5.51	17.53	3.66	9.17	16.62	19.36
LAI-5	1/28/2003	23.04	6.85	16.19	0.55	7.40	16.05	16.47
LAI-5	1/29/2003	23.04	6.20	16.84	4.20	10.40	15.79	18.94
LAI-5	1/30/2003	23.04	6.31	16.73	4.04	10.35	15.72	18.75
LAI-5	2/3/2003	23.04	6.36	16.68	3.29	9.65	15.86	18.33
LAI-5	2/6/2003	24.52	7.18	17.34	3.57	10.75	16.45	19.13
LAI-5	2/11/2003	24.52	7.53	16.99	3.64	11.17	16.08	18.81
LAI-5	2/18/2003	24.52	6.50	18.02	4.75	11.25	16.83	20.40
LAI-5	2/21/2003	24.52	8.21	16.31	3.30	11.51	15.49	17.96
LAI-5	2/26/2003	24.52	7.78	16.74	3.23	11.01	15.93	18.36
LAI-5	3/4/2003	24.52	7.78	16.74	3.23	11.01	15.93	18.36
LAI-5	3/12/2003	24.52	8.32	16.20	3.36	11.68	15.36	17.88
LAI-5	3/14/2003	24.52	8.36	16.16	3.08	11.44	15.39	17.70
LAI-5	3/26/2003	24.52	--	--	--	10.01	14.51	14.51
LAI-5	3/28/2003	24.52	--	--	--	9.96	14.56	14.56
LAI-5	4/2/2003	24.52	8.52	16.00	0.83	9.35	15.79	16.42
LAI-5	4/4/2003	24.52	8.90	15.62	0.68	9.58	15.45	15.96
LAI-5	4/8/2003	24.52	8.96	15.56	0.55	9.51	15.42	15.84
LAI-5	4/11/2003	24.52	8.72	15.80	1.62	10.34	15.40	16.61
LAI-5	4/15/2003	24.52	8.01	16.51	2.43	10.44	15.90	17.73
LAI-5	4/17/2003	24.52	9.60	14.92	0.16	9.76	14.88	15.00
LAI-5	4/22/2003	24.52	9.04	15.48	0.39	9.43	15.38	15.68
LAI-5	4/25/2003	24.52	9.05	15.47	2.10	11.15	14.95	16.52
LAI-5	5/2/2003	24.52	9.48	15.04	0.24	9.72	14.98	15.16
LAI-5	5/6/2003	24.52	8.94	15.58	2.24	11.18	15.02	16.70
LAI-5	5/9/2003	24.52	10.28	14.24	0.07	10.35	14.22	14.28
LAI-5	5/23/2003	24.52	10.65	13.87	0.02	10.67	13.87	13.88
LAI-5	5/28/2003	24.52	10.36	14.16	0.09	10.45	14.14	14.21
LAI-5	6/13/2003	24.52	10.58	13.94	0.05	10.63	13.93	13.97
LAI-5	6/18/2003	24.52	10.51	14.01	0.01	10.52	14.01	14.02
LAI-5	6/27/2003	24.52	10.08	14.44	1.63	11.71	14.03	15.26
LAI-5	7/7/2003	24.52	10.52	14.00	1.85	12.37	13.54	14.93
LAI-5	7/16/2003	24.52	10.30	14.22	2.15	12.45	13.68	15.30
LAI-5	7/31/2003	24.52	10.77	13.75	1.67	12.44	13.33	14.59
LAI-5	8/5/2003	24.52	11.30	13.22	2.35	13.65	12.63	14.40
LAI-5	8/11/2003	24.52	--	--	--	12.22	12.30	12.30
LAI-5	8/22/2003	24.52	--	--	--	12.34	12.18	12.18
LAI-5	8/26/2003	24.52	12.39	12.13	1.29	13.68	11.81	12.78
LAI-5	9/2/2003	24.52	11.57	12.95	0.03	11.60	12.94	12.97
LAI-5	9/9/2003	24.52	11.14	13.38	2.49	13.63	12.76	14.63
LAI-5	9/19/2003	24.52	11.89	12.63	0.57	12.46	12.49	12.92
LAI-5	10/14/2003	24.52	12.13	12.39	0.45	12.58	12.28	12.62
LAI-5	11/20/2003	24.52	--	--	--	8.72	15.80	15.80
LAI-5	12/3/2003	24.52	7.76	16.76	0.33	8.09	16.68	16.93
LAI-5	1/19/2004	24.52	7.38	17.14	0.07	7.45	17.12	17.18
LAI-5	2/24/2004	24.52	8.65	15.87	0.11	8.76	15.84	15.93
LAI-5	3/15/2004	24.52	--	--	--	9.94	14.58	14.58
LAI-5	4/19/2004	24.52	--	--	--	10.19	14.33	14.33
LAI-5	5/17/2004	24.52	--	--	--	11.14	13.38	13.38
LAI-5	6/22/2004	24.52	11.10	13.42	0.01	11.11	13.42	13.43
LAI-5	8/18/2004	24.52	--	--	--	12.17	12.35	12.35
LAI-5	9/21/2004	24.52	--	--	--	11.16	13.36	13.36
LAI-5	10/19/2004	25.52	--	--	--	10.29	15.23	15.23
LAI-5	11/23/2004	25.52	--	--	--	10.48	15.04	15.04
LAI-5	12/21/2004	25.52	--	--	--	8.99	16.53	16.53
LAI-5	1/13/2005	25.52	--	--	--	9.47	16.05	16.05
LAI-5	4/28/2005	25.52	--	--	--	9.32	16.20	16.20
LAI-5	6/1/2005	25.52	--	--	--	9.61	15.91	15.91
LAI-5	6/29/2005	25.52	--	--	--	11.40	14.12	14.12
LAI-5	7/20/2005	25.52	--	--	--	11.47	14.05	14.05
LAI-5	8/22/2005	25.52	--	--	--	11.44	14.08	14.08
LAI-5	5/27/2011	25.52	--	--	Not Monitored			

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAIx-5	9/12/2005	25.63	--	--	--	14.18	11.45	11.45
LAIx-5	10/12/2005	25.63	--	--	--	14.58	11.05	11.05
LAIx-5	11/21/2005	25.63	--	--	--	12.08	13.55	13.55
LAIx-5	12/27/2005	25.63	11.10	14.53	0.05	11.15	14.52	14.56
LAIx-5	1/30/2006	25.63	7.33	18.30	2.73	10.06	17.62	19.67
LAIx-5	2/16/2006	25.63	12.10	13.53	0.00	12.10	13.53	13.53
LAIx-5	3/13/2006	25.63	--	--	--	12.71	12.92	12.92
LAIx-5	4/18/2006	25.63	10.60	15.03	2.69	13.29	14.36	16.38
LAIx-5	5/12/2006	25.63	11.10	14.53	3.33	14.43	13.70	16.20
LAIx-5	6/9/2006	25.63	12.54	13.09	0.01	12.55	13.09	13.10
LAIx-5	7/13/2006	25.63	13.10	12.53	0.15	13.25	12.49	12.61
LAIx-5	8/16/2006	25.63	--	--	--	13.80	11.83	11.83
LAIx-5	9/19/2006	25.63	--	--	--	14.35	11.28	11.28
LAIx-5	10/13/2006	25.63	--	--	--	13.80	11.83	11.83
LAIx-5	11/20/2006	25.63	9.82	15.81	0.27	10.09	15.74	15.95
LAIx-5	12/8/2006	25.63	9.92	15.71	0.80	10.72	15.51	16.11
LAIx-5	1/19/2007	25.63	8.94	16.69	1.31	10.25	16.36	17.35
LAIx-5	2/19/2007	25.63	10.04	15.59	0.25	10.29	15.53	15.72
LAIx-5	3/15/2007	25.63	9.29	16.34	0.25	9.54	16.28	16.47
LAIx-5	4/16/2007	25.63	10.46	15.17	0.16	10.62	15.13	15.25
LAIx-5	5/14/2007	25.63	11.63	14.00	0.02	11.65	14.00	14.01
LAIx-5	6/29/2007	25.63	--	--	--	11.88	13.75	13.75
LAIx-5	7/20/2007	25.63	--	--	--	12.59	13.04	13.04
LAIx-5	8/21/2007	25.63	--	--	--	13.18	12.45	12.45
LAIx-5	9/10/2007	25.63	--	--	--	15.47	10.16	10.16
LAIx-5	10/22/2007	25.63	--	--	--	11.95	13.68	13.68
LAIx-5	11/28/2007	25.63	--	--	--	11.37	14.26	14.26
LAIx-5	12/13/2007	25.63	10.82	14.81	0.13	10.95	14.78	14.88
LAIx-5	1/21/2008	25.63	--	--	--	11.68	13.95	13.95
LAIx-5	2/24/2008	25.63	--	--	--	10.13	15.50	15.50
LAIx-5	3/24/2008	25.63	--	--	--	11.11	14.52	14.52
LAIx-5	8/25/2008	25.63	--	--	--	12.30	13.33	13.33
LAIx-5	2/18/2009	25.63	--	--	--	10.65	14.98	14.98
LAIx-5	8/25/2009	25.63	--	--	--	12.92	12.71	12.71
LAIx-5	3/22/2010	25.63	10.79	14.84	0.01	10.80	14.84	14.86
LAIx-5	8/23/2010	25.63	--	--	DRY	--	--	--
LAIx-5	2/7/2011	25.63	9.80	--	0.05	9.85	15.82	--
LAIx-5	5/27/2011	25.63	--	--	Not Monitored	--	--	--
LAIx-5	11/14/2016	25.63	---	---	---	8.83	16.80	--
LAIx-5	2/17/2017	25.63	---	---	---	7.82	17.81	18.08
LAIx-5	5/24/2017	25.63	---	---	---	8.83	16.80	18.34
LAIx-5	9/26/2017	25.63	---	---	---	11.46	14.17	18.54
LAIx-5	9/28/2017	---	---	---	---	---	---	--
LAIx-5	12/11/2017	25.63	---	---	---	7.02	18.61	--
LAIx-5	2/26/2018	25.63	---	---	---	7.87	17.76	--
LAIx-5	6/11/2018	25.63	---	---	---	10.99	14.64	--
LAIx-5	8/27/2018	25.63	---	---	---	11.78	13.85	--
LAI-6	1/22/2003	22.86	6.67	16.19	3.78	10.45	15.25	--
LAI-6	1/23/2003	22.86	6.45	16.41	3.85	10.30	15.45	--
LAI-6	1/24/2003	22.86	6.32	16.54	4.00	10.32	15.54	--
LAI-6	1/27/2003	22.86	5.68	17.18	3.37	9.05	16.34	18.87
LAI-6	1/28/2003	22.86	6.91	15.95	0.93	7.84	15.72	16.42
LAI-6	1/29/2003	22.86	6.51	16.35	2.53	9.04	15.72	17.62
LAI-6	1/30/2003	22.86	6.36	16.50	3.60	9.96	15.60	18.30
LAI-6	2/3/2003	22.86	6.27	16.59	3.69	9.96	15.67	18.44
LAI-6	2/6/2003	22.86	5.79	17.07	3.79	9.58	16.12	18.97
LAI-6	2/11/2003	22.86	6.03	16.83	3.61	9.64	15.93	18.64
LAI-6	2/18/2003	22.86	7.98	14.88	0.42	8.40	14.78	15.09
LAI-6	2/21/2003	22.86	7.57	15.29	0.54	8.11	15.16	15.56
LAI-6	2/26/2003	22.86	7.15	15.71	0.47	7.62	15.59	15.95
LAI-6	3/3/2003	22.86	8.01	14.85	0.45	8.46	14.74	15.08
LAI-6	3/12/2003	22.86	7.46	15.40	0.23	7.69	15.34	15.52
LAI-6	3/14/2003	22.86	7.72	15.14	0.19	7.91	15.09	15.24
LAI-6	3/26/2003	22.86	6.37	16.49	1.45	7.82	16.13	17.22
LAI-6	3/28/2003	22.86	7.10	15.76	1.65	8.75	15.35	16.59
LAI-6	4/2/2003	22.86	6.65	16.21	2.15	8.80	15.67	17.29
LAI-6	4/4/2003	22.86	7.06	15.80	1.74	8.80	15.37	16.67
LAI-6	4/8/2003	22.86	7.13	15.73	1.70	8.83	15.31	16.58
LAI-6	4/11/2003	22.86	7.22	15.64	0.88	8.10	15.42	16.08
LAI-6	4/15/2003	22.86	6.56	16.30	1.82	8.38	15.85	17.21
LAI-6	4/17/2003	22.86	7.61	15.25	1.74	9.35	14.82	16.12
LAI-6	4/22/2003	22.86	7.16	15.70	1.65	8.81	15.29	16.53
LAI-6	4/25/2003	22.86	7.70	15.16	0.83	8.53	14.95	15.58
LAI-6	5/2/2003	22.86	7.61	15.25	1.65	9.26	14.84	16.08
LAI-6	5/6/2003	22.86	8.45	14.41	0.99	9.44	14.16	14.91
LAI-6	5/9/2003	22.86	8.00	14.86	1.95	9.95	14.37	15.84
LAI-6	5/23/2003	22.86	8.41	14.45	2.00	10.41	13.95	15.45
LAI-6	5/28/2003	22.86	8.23	14.63	1.78	10.01	14.19	15.52
LAI-6	6/13/2003	22.86	8.50	14.36	2.11	10.61	13.83	15.42
LAI-6	6/18/2003	22.86	8.46	14.40	2.10	10.56	13.88	15.45
LAI-6	6/27/2003	22.86	9.91	12.95	0.77	10.68	12.76	13.34
LAI-6	7/7/2003	22.86	8.98	13.88	2.08	11.06	13.36	14.92
LAI-6	7/16/2003	22.86	8.75	14.11	2.20	10.95	13.56	15.21
LAI-6	7/31/2003	22.86	9.14	13.72	2.06	11.20	13.21	14.75
LAI-6	8/5/2003	22.86	9.15	13.71	2.01	11.16	13.21	14.72
LAI-6	8/11/2003	22.86	10.24	12.62	1.97	12.21	12.13	13.61
LAI-6	8/22/2003	22.86	10.45	12.41	1.90	12.35	11.94	13.36
LAI-6	8/26/2003	22.86	9.78	13.08	0.02	9.80	13.08	13.09
LAI-6	9/2/2003	22.86	10.13	12.73	0.90	11.03	12.51	13.18
LAI-6	9/9/2003	22.86	10.48	12.38	0.79	11.27	12.18	12.78
LAI-6	9/19/2003	22.86	10.44	12.42	0.61	11.05	12.27	12.73
LAI-6	10/14/2003	22.86	9.11	13.75	0.91	10.02	13.52	14.21

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-6	11/20/2003	22.86	7.22	15.64	0.01	7.23	15.64	15.65
LAI-6	12/3/2003	22.86	6.30	16.56	0.35	6.65	16.47	16.74
LAI-6	1/19/2004	22.86	5.85	17.01	0.71	6.56	16.83	17.37
LAI-6	2/24/2004	22.86	7.52	15.34	0.11	7.63	15.31	15.40
LAI-6	3/15/2004	22.86	8.32	14.54	0.50	8.82	14.42	14.79
LAI-6	4/19/2004	22.86	8.52	14.34	0.02	8.54	14.34	14.35
LAI-6	5/17/2004	22.86	9.05	13.81	0.03	9.08	13.80	13.83
LAI-6	6/22/2004	22.86	--	--	--	8.85	14.01	14.01
LAI-6	8/18/2004	22.86	--	--	--	10.08	12.78	12.78
LAI-6	9/21/2004	22.86	--	--	--	8.95	13.91	13.91
LAI-6	10/19/2004	22.86	--	--	--	8.08	14.78	14.78
LAI-6	11/23/2004	22.86	--	--	--	8.49	14.37	14.37
LAI-6	12/21/2004	22.86	--	--	--	6.55	16.31	16.31
LAI-6	1/13/2005	22.86	7.26	15.60	0.01	7.27	15.60	15.61
LAI-6	4/28/2005	22.86	--	--	--	7.05	15.81	15.81
LAI-6	6/1/2005	22.86	--	--	--	7.68	15.18	15.18
LAI-6	6/29/2005	22.86	--	--	--	9.20	13.66	13.66
LAI-6	7/20/2005	22.86	--	--	--	9.43	13.43	13.43
LAI-6	8/22/2005	22.86	--	--	--	9.47	13.39	13.39
LAI-6	5/27/2011	22.86	--	--	Not Monitored	--	--	--
LAIx-6	9/12/2005	25.25	--	--	--	11.56	13.69	13.69
LAIx-6	10/12/2005	25.25	--	--	--	12.27	12.98	12.98
LAIx-6	11/21/2005	25.25	--	--	--	10.37	14.88	14.88
LAIx-6	12/27/2005	25.25	--	--	--	9.88	15.37	15.37
LAIx-6	12/21/2004	25.25	--	--	--	9.88	15.37	15.37
LAIx-6	1/30/2006	25.25	7.28	17.97	0.01	7.29	17.97	17.98
LAIx-6	2/16/2006	25.25	--	--	--	8.81	16.44	16.44
LAIx-6	3/13/2006	25.25	9.54	15.71	0.54	10.08	15.58	15.98
LAIx-6	4/18/2006	25.25	--	--	--	9.80	15.45	15.45
LAIx-6	5/12/2006	25.25	--	--	--	10.11	15.14	15.14
LAIx-6	6/9/2006	25.25	--	--	--	9.77	15.48	15.48
LAIx-6	7/13/2006	25.25	--	--	--	10.75	14.50	14.50
LAIx-6	8/16/2006	25.25	--	--	--	11.43	13.82	13.82
LAIx-6	9/19/2006	25.25	--	--	--	12.00	13.25	13.25
LAIx-6	10/13/2006	25.25	--	--	--	11.84	13.41	13.41
LAIx-6	11/20/2006	25.25	--	--	--	8.31	16.94	16.94
LAIx-6	12/8/2006	25.25	--	--	--	8.28	16.97	16.97
LAIx-6	1/19/2007	25.25	--	--	--	7.89	17.36	17.36
LAIx-6	2/19/2007	25.25	--	--	--	9.58	15.67	15.67
LAIx-6	3/15/2007	25.25	--	--	--	8.85	16.40	16.40
LAIx-6	4/16/2007	25.25	--	--	--	9.25	16.00	16.00
LAIx-6	5/14/2007	25.25	--	--	--	10.30	14.95	14.95
LAIx-6	6/29/2007	25.25	--	--	--	11.93	13.32	13.32
LAIx-6	7/20/2007	25.25	--	--	--	12.50	12.75	12.75
LAIx-6	8/21/2007	25.25	--	--	--	12.97	12.28	12.28
LAIx-6	9/10/2007	25.25	--	--	--	13.00	12.25	12.25
LAIx-6	10/22/2007	25.25	--	--	--	11.44	13.81	13.81
LAIx-6	11/28/2007	25.25	--	--	--	10.84	14.41	14.41
LAIx-6	12/13/2007	25.25	--	--	--	10.82	14.43	14.43
LAIx-6	1/21/2008	25.25	--	--	--	10.11	15.14	15.14
LAIx-6	2/24/2008	25.25	--	--	--	10.45	14.80	14.80
LAIx-6	3/24/2008	25.25	--	--	--	10.59	14.66	14.66
LAIx-6	8/25/2008	25.25	--	--	--	11.98	13.27	13.27
LAIx-6	2/18/2009	25.25	--	--	--	10.38	14.87	14.87
LAIx-6	8/25/2009	25.25	--	--	--	12.63	12.62	12.62
LAIx-6	3/22/2010	25.25	--	--	--	10.67	14.58	14.58
LAIx-6	8/23/2010	25.25	--	--	--	10.80	14.45	14.45
LAIx-6	2/7/2011	25.25	--	--	--	9.46	15.79	--
LAIx-6	5/27/2011	25.25	--	--	Not Monitored	--	--	--
LAIx-6	11/14/2016	25.25	---	---	---	8.57	16.68	--
LAIx-6	2/17/2017	25.25	---	---	---	3.90	21.35	14.27
LAIx-6	5/24/2017	25.25	---	---	---	8.10	17.15	14.78
LAIx-6	9/26/2017	25.25	---	---	---	11.39	13.86	16.01
LAIx-6	9/28/2017	25.25	---	---	---	---	---	--
LAIx-6	12/11/2017	25.25	---	---	---	7.31	17.94	--
LAIx-6	2/26/2018	25.25	---	---	---	7.88	17.37	--
LAIx-6	6/11/2018	25.25	---	---	---	9.81	15.44	--
LAIx-6	8/27/2018	25.25	---	---	---	11.39	13.86	--
LAI-7	1/22/2003	21.82	8.10	13.72	1.10	9.20	13.45	--
LAI-7	1/23/2003	21.82	7.58	14.24	1.07	8.65	13.97	--
LAI-7	1/24/2003	21.82	6.99	14.83	2.36	9.35	14.24	--
LAI-7	1/27/2003	21.82	5.18	16.64	5.30	10.48	15.32	19.29
LAI-7	1/28/2003	21.82	7.08	14.74	0.90	7.98	14.52	15.19
LAI-7	1/29/2003	21.82	7.41	14.41	0.44	7.85	14.30	14.63
LAI-7	1/30/2003	21.82	8.11	13.71	0.26	8.37	13.65	13.84
LAI-7	2/3/2003	21.82	8.90	12.92	0.06	8.96	12.91	12.95
LAI-7	2/6/2003	24.28	7.82	16.46	1.56	9.38	16.07	17.24
LAI-7	2/11/2003	24.28	8.23	16.05	1.56	9.79	15.66	16.83
LAI-7	2/18/2003	24.28	9.45	14.83	0.20	9.65	14.78	14.93
LAI-7	2/21/2003	24.28	8.57	15.71	2.34	10.91	15.13	16.88
LAI-7	2/26/2003	24.28	8.53	15.75	3.18	11.71	14.96	17.34
LAI-7	3/3/2003	24.28	9.53	14.75	0.18	9.71	14.71	14.84
LAI-7	3/12/2003	24.28	8.99	15.29	0.19	9.18	15.24	15.39
LAI-7	3/14/2003	24.28	9.18	15.10	0.18	9.36	15.06	15.19
LAI-7	3/26/2003	24.28	--	--	--	9.97	14.31	14.31
LAI-7	3/28/2003	24.28	--	--	--	9.95	14.33	14.33
LAI-7	4/2/2003	24.28	8.79	15.49	0.08	8.87	15.47	15.53
LAI-7	4/4/2003	24.28	9.04	15.24	0.08	9.12	15.22	15.28
LAI-7	4/8/2003	24.28	8.53	15.75	0.10	8.63	15.73	15.80
LAI-7	4/11/2003	24.28	9.06	15.22	0.17	9.23	15.18	15.31
LAI-7	4/15/2003	24.28	8.41	15.87	0.94	9.35	15.64	16.34

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-7	4/17/2003	24.28	9.55	14.73	0.17	9.72	14.69	14.82
LAI-7	4/22/2003	24.28	9.03	15.25	0.34	9.37	15.17	15.42
LAI-7	4/25/2003	24.28	9.00	15.28	0.31	9.31	15.20	15.44
LAI-7	5/2/2003	24.28	9.60	14.68	0.05	9.65	14.67	14.71
LAI-7	5/6/2003	24.28	9.17	15.11	1.19	10.36	14.81	15.71
LAI-7	5/9/2003	24.28	10.04	14.24	0.06	10.10	14.23	14.27
LAI-7	5/23/2003	24.28	10.60	13.68	0.02	10.62	13.68	13.69
LAI-7	5/28/2003	24.28	10.21	14.07	0.01	10.22	14.07	14.08
LAI-7	6/13/2003	24.28	9.90	14.38	0.55	10.45	14.24	14.66
LAI-7	6/18/2003	24.28	10.57	13.71	0.02	10.59	13.71	13.72
LAI-7	6/27/2003	24.28	10.42	13.86	0.63	11.05	13.70	14.18
LAI-7	7/7/2003	24.28	10.85	13.43	0.52	11.37	13.30	13.69
LAI-7	7/16/2003	24.28	10.43	13.85	1.65	12.08	13.44	14.68
LAI-7	7/31/2003	24.28	11.06	13.22	0.31	11.37	13.14	13.38
LAI-7	8/5/2003	24.28	10.66	13.62	0.90	11.56	13.40	14.07
LAI-7	8/11/2003	24.28	12.45	11.83	0.01	12.46	11.83	11.84
LAI-7	8/22/2003	24.28	12.40	11.88	0.20	12.60	11.83	11.98
LAI-7	8/26/2003	24.28	11.32	12.96	1.43	12.75	12.60	13.68
LAI-7	9/2/2003	24.28	11.61	12.67	0.20	11.81	12.62	12.77
LAI-7	9/9/2003	24.28	11.66	12.62	1.64	13.30	12.21	13.44
LAI-7	9/19/2003	24.28	11.66	12.62	1.35	13.01	12.28	13.30
LAI-7	10/14/2003	24.28	11.59	12.69	1.46	13.05	12.33	13.42
LAI-7	11/20/2003	24.28	--	--	--	8.67	15.61	15.61
LAI-7	12/3/2003	24.28	7.98	16.30	0.23	8.21	16.24	16.42
LAI-7	1/19/2004	24.28	7.59	16.69	0.32	7.91	16.61	16.85
LAI-7	2/24/2004	24.28	--	--	--	8.72	15.56	15.56
LAI-7	3/15/2004	24.28	--	--	--	9.71	14.57	14.57
LAI-7	4/19/2004	24.28	--	--	--	9.65	14.63	14.63
LAI-7	5/17/2004	24.28	--	--	--	10.43	13.85	13.85
LAI-7	6/22/2004	24.28	10.33	13.95	0.01	10.34	13.95	13.96
LAI-7	8/18/2004	24.28	11.28	13.00	0.88	12.16	12.78	13.44
LAI-7	9/21/2004	24.28	10.57	13.71	0.23	10.80	13.65	13.83
LAI-7	10/19/2004	24.28	--	--	--	9.53	14.75	14.75
LAI-7	11/23/2004	24.28	9.85	14.43	0.19	10.04	14.38	14.53
LAI-7	12/21/2004	24.28	8.14	16.14	0.52	8.66	16.01	16.40
LAI-7	1/13/2005	24.28	8.83	15.45	0.19	9.02	15.40	15.55
LAI-7	4/28/2005	24.28	--	--	--	8.44	15.84	15.84
LAI-7	6/1/2005	24.28	--	--	--	8.72	15.56	15.56
LAI-7	6/29/2005	24.28	--	--	--	10.41	13.87	13.87
LAI-7	7/20/2005	24.28	--	--	--	10.93	13.35	13.35
LAI-7	8/22/2005	24.28	--	--	--	10.47	13.81	13.81
LAI-7	5/27/2011	24.28	--	--	Not Monitored	--	--	--
LAIx-7	9/12/2005	25.24	--	--	--	13.81	11.43	11.43
LAIx-7	10/12/2005	25.24	14.46	10.78	0.12	14.58	10.75	10.84
LAIx-7	11/21/2005	25.24	12.00	13.24	2.96	14.96	12.50	14.72
LAIx-7	12/27/2005	25.24	11.08	14.16	2.82	13.90	13.46	15.57
LAIx-7	1/30/2006	25.24	9.69	15.55	3.34	13.03	14.72	17.22
LAIx-7	2/16/2006	25.24	11.52	13.72	3.81	15.33	12.77	15.63
LAIx-7	3/13/2006	25.24	11.09	14.15	4.51	15.60	13.02	16.41
LAIx-7	4/18/2006	25.24	11.98	13.26	1.62	13.60	12.86	14.07
LAIx-7	5/12/2006	25.24	13.22	12.02	0.30	13.52	11.95	12.17
LAIx-7	6/9/2006	25.24	12.94	12.30	0.40	13.34	12.20	12.50
LAIx-7	7/13/2006	25.24	14.14	11.10	0.94	15.08	10.87	11.57
LAIx-7	8/16/2006	25.24	14.95	10.29	0.80	15.75	10.09	10.69
LAIx-7	9/19/2006	25.24	14.55	10.69	0.95	15.50	10.45	11.17
LAIx-7	10/13/2006	25.24	14.60	10.64	1.55	16.15	10.25	11.42
LAIx-7	11/20/2006	25.24	11.89	13.35	0.71	12.60	13.17	13.71
LAIx-7	12/8/2006	25.24	12.13	13.11	0.31	12.44	13.03	13.27
LAIx-7	1/19/2007	25.24	11.75	13.49	1.20	12.95	13.19	14.09
LAIx-7	2/19/2007	25.24	12.52	12.72	0.62	13.14	12.57	13.03
LAIx-7	3/15/2007	25.24	12.14	13.10	0.51	12.65	12.97	13.36
LAIx-7	4/16/2007	25.24	12.58	12.66	0.92	13.50	12.43	13.12
LAIx-7	5/14/2007	25.24	13.25	11.99	0.07	13.32	11.97	12.03
LAIx-7	6/29/2007	25.24	13.68	11.56	0.82	14.50	11.36	11.97
LAIx-7	7/20/2007	25.24	14.20	11.04	0.10	14.30	11.02	11.09
LAIx-7	8/21/2007	25.24	--	--	--	14.20	11.04	11.04
LAIx-7	9/10/2007	25.24	--	--	--	14.47	10.77	10.77
LAIx-7	10/22/2007	25.24	12.72	--	--	15.64	9.60	9.60
LAIx-7	11/28/2007	25.24	12.95	--	--	13.50	11.74	11.74
LAIx-7	12/13/2007	25.24	--	--	--	11.92	13.32	13.32
LAIx-7	1/21/2008	25.24	--	--	--	7.63	17.61	17.61
LAIx-7	2/24/2008	25.24	--	--	--	10.21	15.03	15.03
LAIx-7	3/24/2008	25.24	12.24	13.00	0.22	12.46	12.95	13.11
LAIx-7	8/25/2008	25.24	--	--	--	13.34	11.90	11.90
LAIx-7	2/18/2009	25.24	--	--	--	12.00	13.24	13.24
LAIx-7	8/25/2009	25.24	--	--	--	14.56	10.68	10.68
LAIx-7	3/22/2010	25.24	--	--	--	10.95	14.29	14.29
LAIx-7	8/23/2010	25.24	--	--	--	10.05	15.19	15.19
LAIx-7	2/7/2011	25.24	--	--	--	9.71	15.53	15.53
LAIx-7	5/27/2011	25.24	--	--	Not Monitored	--	--	--
LAI-8	1/22/2003	23.08	8.10	14.98	0.91	9.01	14.75	15.44
LAI-8	1/23/2003	23.08	7.72	15.36	0.88	8.60	15.14	15.80
LAI-8	1/24/2003	23.08	7.50	15.58	1.55	9.05	15.19	16.36
LAI-8	1/27/2003	23.08	5.34	17.74	5.08	10.42	16.47	20.28
LAI-8	1/28/2003	23.08	6.90	16.18	1.75	8.65	15.74	17.06
LAI-8	1/29/2003	23.08	7.99	15.09	0.31	8.30	15.01	15.25
LAI-8	1/30/2003	23.08	7.90	15.18	0.69	8.59	15.01	15.53
LAI-8	2/3/2003	23.08	8.47	14.61	0.01	8.48	14.61	14.62
LAI-8	2/6/2003	24.50	6.46	18.04	2.95	9.41	17.30	19.52
LAI-8	2/11/2003	24.50	8.45	16.05	1.22	9.67	15.75	16.66
LAI-8	2/18/2003	24.50	6.85	17.65	5.75	12.60	16.21	20.53

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-8	2/21/2003	24.50	8.49	16.01	3.16	11.65	15.22	17.59
LAI-8	2/26/2003	24.50	7.92	16.58	4.02	11.94	15.58	18.59
LAI-8	3/4/2003	24.50	7.46	17.04	5.02	12.48	15.79	19.55
LAI-8	3/12/2003	24.50	8.67	15.83	3.03	11.70	15.07	17.35
LAI-8	3/14/2003	24.50	8.88	15.62	2.53	11.41	14.99	16.89
LAI-8	3/26/2003	24.50	8.63	15.87	0.88	9.51	15.65	16.31
LAI-8	3/28/2003	24.50	--	--	--	9.48	15.02	15.02
LAI-8	4/2/2003	24.50	8.97	15.53	0.14	9.11	15.50	15.60
LAI-8	4/4/2003	24.50	9.32	15.18	0.04	9.36	15.17	15.20
LAI-8	4/8/2003	24.50	9.25	15.25	0.03	9.28	15.24	15.27
LAI-8	4/11/2003	24.50	9.21	15.29	0.46	9.67	15.18	15.52
LAI-8	4/15/2003	24.50	8.57	15.93	1.13	9.70	15.65	16.50
LAI-8	4/17/2003	24.50	9.82	14.68	0.08	9.90	14.66	14.72
LAI-8	4/22/2003	24.50	9.28	15.22	0.23	9.51	15.16	15.34
LAI-8	4/25/2003	24.50	9.61	14.89	0.25	9.86	14.83	15.02
LAI-8	5/2/2003	24.50	9.71	14.79	0.40	10.11	14.69	14.99
LAI-8	5/6/2003	24.50	9.36	15.14	1.40	10.76	14.79	15.84
LAI-8	5/9/2003	24.50	--	--	--	10.23	14.27	14.27
LAI-8	5/23/2003	24.50	10.80	13.70	0.01	10.81	13.70	13.71
LAI-8	5/28/2003	24.50	10.51	13.99	0.03	10.54	13.98	14.01
LAI-8	6/13/2003	24.50	10.20	14.30	1.56	11.76	13.91	15.08
LAI-8	6/18/2003	24.50	10.35	14.15	1.85	12.20	13.69	15.08
LAI-8	6/27/2003	24.50	10.62	13.88	0.49	11.11	13.76	14.13
LAI-8	7/7/2003	24.50	10.67	13.83	2.18	12.85	13.29	14.92
LAI-8	7/16/2003	24.50	10.45	14.05	1.37	11.82	13.71	14.74
LAI-8	7/31/2003	24.50	10.96	13.54	1.79	12.75	13.09	14.44
LAI-8	8/5/2003	24.50	10.82	13.68	2.23	13.05	13.12	14.80
LAI-8	8/11/2003	24.50	12.12	12.38	1.57	13.69	11.99	13.17
LAI-8	8/22/2003	24.50	12.40	12.10	1.66	14.06	11.69	12.93
LAI-8	8/26/2003	24.50	11.44	13.06	1.44	12.88	12.70	13.78
LAI-8	9/2/2003	24.50	11.45	13.05	1.78	13.23	12.61	13.94
LAI-8	9/9/2003	24.50	11.54	12.96	1.68	13.22	12.54	13.80
LAI-8	9/19/2003	24.50	11.61	12.89	1.64	13.25	12.48	13.71
LAI-8	10/14/2003	24.50	11.58	12.92	1.60	13.18	12.52	13.72
LAI-8	11/20/2003	24.50	8.87	15.63	0.07	8.94	15.61	15.67
LAI-8	12/3/2003	24.50	8.01	16.49	0.41	8.42	16.39	16.70
LAI-8	1/19/2004	24.50	7.70	16.80	0.44	8.14	16.69	17.02
LAI-8	2/24/2004	24.50	--	--	--	9.15	15.35	15.35
LAI-8	3/15/2004	24.50	--	--	--	9.71	14.79	14.79
LAI-8	4/19/2004	24.50	--	--	--	9.91	14.59	14.59
LAI-8	5/17/2004	24.50	--	--	--	10.59	13.91	13.91
LAI-8	6/22/2004	24.50	10.48	14.02	0.030	10.51	14.01	14.04
LAI-8	8/18/2004	24.50	11.70	12.80	0.010	11.71	12.80	12.81
LAI-8	9/21/2004	24.50	--	--	--	10.60	13.90	13.90
LAI-8	10/19/2004	24.50	--	--	--	9.73	14.77	14.77
LAI-8	11/23/2004	24.50	--	--	--	10.04	14.46	14.46
LAI-8	12/21/2004	24.50	8.31	16.19	0.02	8.33	16.19	16.20
LAI-8	1/13/2005	24.50	--	--	--	8.89	15.61	15.61
LAI-8	4/28/2005	24.50	--	--	--	8.64	15.86	15.86
LAI-8	6/1/2005	24.50	--	--	--	8.88	15.62	15.62
LAI-8	6/29/2005	24.50	--	--	--	10.55	13.95	13.95
LAI-8	7/20/2005	24.50	--	--	--	11.05	13.45	13.45
LAI-8	8/22/2005	24.50	--	--	--	10.65	13.85	13.85
LAI-8	5/27/2011	24.50	--	--	Not Monitored	--	--	--
LAIx-8	9/12/2005	25.59	--	--	--	12.48	13.11	13.11
LAIx-8	10/12/2005	25.59	--	--	--	14.08	11.51	11.51
LAIx-8	11/21/2005	25.59	10.74	14.85	0.01	10.75	14.85	14.86
LAIx-8	12/27/2005	25.59	--	--	--	10.11	15.48	15.48
LAIx-8	1/30/2006	25.59	--	--	--	7.88	17.71	17.71
LAIx-8	2/16/2006	25.59	--	--	--	9.34	16.25	16.25
LAIx-8	3/13/2006	25.59	--	--	--	10.00	15.59	15.59
LAIx-8	4/18/2006	25.59	--	--	--	9.72	15.87	15.87
LAIx-8	5/12/2006	25.59	--	--	--	10.59	15.00	15.00
LAIx-8	12/21/2004	25.59	--	--	--	10.59	15.00	15.00
LAIx-8	6/9/2006	25.59	--	--	--	10.10	15.49	15.49
LAIx-8	7/13/2006	25.59	--	--	--	11.30	14.29	14.29
LAIx-8	8/16/2006	25.59	--	--	--	11.95	13.64	13.64
LAIx-8	9/19/2006	25.59	--	--	--	12.49	13.10	13.10
LAIx-8	10/13/2006	25.59	--	--	--	12.30	13.29	13.29
LAIx-8	11/20/2006	25.59	--	--	--	8.90	16.69	16.69
LAIx-8	12/8/2006	25.59	--	--	--	8.92	16.67	16.67
LAIx-8	1/19/2007	25.59	--	--	--	8.57	17.02	17.02
LAIx-8	2/19/2007	25.59	--	--	--	10.06	15.53	15.53
LAIx-8	3/15/2007	25.59	--	--	--	9.35	16.24	16.24
LAIx-8	4/16/2007	25.59	--	--	--	9.75	15.84	15.84
LAIx-8	5/14/2007	25.59	--	--	--	10.77	14.82	14.82
LAIx-8	6/29/2007	25.59	--	--	--	12.07	13.52	13.52
LAIx-8	7/20/2007	25.59	--	--	--	12.52	13.07	13.07
LAIx-8	8/21/2007	25.59	--	--	--	12.97	12.62	12.62
LAIx-8	9/10/2007	25.59	--	--	--	13.24	12.35	12.35
LAIx-8	10/22/2007	25.59	--	--	--	11.91	13.68	13.68
LAIx-8	11/28/2007	25.59	--	--	--	11.50	14.09	14.09
LAIx-8	12/13/2007	25.59	11.55	14.04	0.08	11.63	14.02	14.08
LAIx-8	1/21/2008	25.59	--	--	--	11.04	14.55	14.55
LAIx-8	2/24/2008	25.59	--	--	--	11.19	14.40	14.40
LAIx-8	3/24/2008	25.59	--	--	--	11.15	14.44	14.44
LAIx-8	8/25/2008	25.59	--	--	--	7.67	17.92	17.92
LAIx-8	2/18/2009	25.59	--	--	--	11.02	14.57	14.57
LAIx-8	8/25/2009	25.59	--	--	--	12.95	12.64	12.64
LAIx-8	3/22/2010	25.59	--	--	--	10.86	14.73	14.73
LAIx-8	8/23/2010	25.59	--	--	--	10.18	15.41	15.41
LAIx-8	2/7/2011	25.59	--	--	--	9.73	15.86	--

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAIx-8	5/27/2011	25.59			Not Monitored			
LAI-9	1/22/2003	22.48	--	--	--	7.90	14.58	14.58
LAI-9	1/23/2003	22.48	--	--	--	8.38	14.10	14.10
LAI-9	1/24/2003	22.48	7.10	15.38	0.04	7.14	15.37	15.40
LAI-9	1/27/2003	22.48	5.32	17.16	1.54	6.86	16.78	17.93
LAI-9	1/28/2003	22.48	5.90	16.58	1.50	7.40	16.21	17.33
LAI-9	1/29/2003	22.48	--	--	--	8.44	14.04	14.04
LAI-9	1/30/2003	22.48	--	--	--	8.40	14.08	14.08
LAI-9	2/3/2003	22.48	6.57	15.91	0.70	7.27	15.74	16.26
LAI-9	2/6/2003	23.93	7.53	16.40	0.15	7.68	16.36	16.48
LAI-9	2/11/2003	23.93	7.93	16.00	0.11	8.04	15.97	16.06
LAI-9	2/18/2003	23.93	5.50	18.43	2.50	8.00	17.81	19.68
LAI-9	2/21/2003	23.93	7.63	16.30	3.68	11.31	15.38	18.14
LAI-9	2/26/2003	23.93	6.94	16.99	3.54	10.48	16.11	18.76
LAI-9	3/4/2003	23.93	6.98	16.95	3.94	10.92	15.97	18.92
LAI-9	3/12/2003	23.93	7.82	16.11	3.39	11.21	15.26	17.81
LAI-9	3/14/2003	23.93	8.09	15.84	2.21	10.30	15.29	16.95
LAI-9	3/26/2003	23.93	--	--	--	8.95	14.98	14.98
LAI-9	3/28/2003	23.93	--	--	--	9.04	14.89	14.89
LAI-9	4/2/2003	23.93	8.08	15.85	0.32	8.40	15.77	16.01
LAI-9	4/4/2003	23.93	8.34	15.59	0.48	8.82	15.47	15.83
LAI-9	4/8/2003	23.93	8.10	15.83	0.49	8.59	15.71	16.08
LAI-9	4/11/2003	23.93	8.36	15.57	0.49	8.85	15.45	15.82
LAI-9	4/15/2003	23.93	7.81	16.12	0.21	8.02	16.07	16.23
LAI-9	4/17/2003	23.93	9.11	14.82	0.13	9.24	14.79	14.89
LAI-9	4/22/2003	23.93	8.41	15.52	0.35	8.76	15.43	15.70
LAI-9	4/25/2003	23.93	8.32	15.61	0.80	9.12	15.41	16.01
LAI-9	5/2/2003	23.93	8.99	14.94	0.01	9.00	14.94	14.95
LAI-9	5/6/2003	23.93	8.66	15.27	0.85	9.51	15.06	15.70
LAI-9	5/9/2003	23.93	9.75	14.18	0.02	9.77	14.18	14.19
LAI-9	5/23/2003	23.93	--	--	--	10.10	13.83	13.83
LAI-9	5/28/2003	23.93	10.50	13.43	0.01	10.51	13.43	13.44
LAI-9	6/13/2003	23.93	9.91	14.02	0.37	10.28	13.93	14.21
LAI-9	6/18/2003	23.93	9.81	14.12	0.51	10.32	13.99	14.38
LAI-9	6/27/2003	23.93	9.91	14.02	0.33	10.24	13.94	14.19
LAI-9	7/7/2003	23.93	10.21	13.72	0.83	11.04	13.51	14.14
LAI-9	7/16/2003	23.93	10.03	13.90	0.84	10.87	13.69	14.32
LAI-9	7/31/2003	23.93	10.44	13.49	0.95	11.39	13.25	13.97
LAI-9	8/5/2003	23.93	10.25	13.68	1.19	11.44	13.38	14.28
LAI-9	8/11/2003	23.93	11.89	12.04	0.12	12.01	12.01	12.10
LAI-9	8/22/2003	23.93	11.92	12.01	0.08	12.00	11.99	12.05
LAI-9	8/26/2003	23.93	11.03	12.90	0.64	11.67	12.74	13.22
LAI-9	9/2/2003	23.93	10.96	12.97	1.03	11.99	12.71	13.49
LAI-9	9/9/2003	23.93	11.12	12.81	0.51	11.63	12.68	13.07
LAI-9	9/19/2003	23.93	10.89	13.04	1.58	12.47	12.65	13.83
LAI-9	10/14/2003	23.93	11.75	12.18	1.07	12.82	11.91	12.72
LAI-9	11/20/2003	23.93	--	--	--	8.05	15.88	15.88
LAI-9	12/3/2003	23.93	7.21	16.72	0.01	7.22	16.72	16.73
LAI-9	1/19/2004	23.93	6.83	17.10	0.01	6.84	17.10	17.11
LAI-9	2/24/2004	23.93	--	--	--	8.11	15.82	15.82
LAI-9	3/15/2004	23.93	--	--	--	9.08	14.85	14.85
LAI-9	4/19/2004	23.93	--	--	--	8.85	15.08	15.08
LAI-9	5/17/2004	23.93	--	--	--	9.91	14.02	14.02
LAI-9	8/18/2004	23.93	--	--	--	11.10	12.83	12.83
LAI-9	8/18/2004	23.93	--	--	--	11.10	12.83	12.83
LAI-9	9/21/2004	23.93	10.91	13.02	0.53	11.44	12.89	13.29
LAI-9	10/19/2004	23.93	8.92	9.35	0.43	9.35	14.90	15.23
LAI-9	11/23/2004	23.93	9.03	14.90	0.31	9.34	14.82	15.06
LAI-9	12/21/2004	23.93	7.44	16.49	0.02	7.46	16.49	16.50
LAI-9	1/13/2005	23.93	--	--	--	8.19	15.74	15.74
LAI-9	4/28/2005	23.93	--	--	--	7.73	16.20	16.20
LAI-9	6/1/2005	23.93	--	--	--	8.10	15.83	15.83
LAI-9	6/29/2005	23.93	--	--	--	9.77	14.16	14.16
LAI-9	7/20/2005	23.93	--	--	--	10.10	13.83	13.83
LAI-9	8/22/2005	23.93	--	--	--	9.96	13.97	13.97
LAI-9	5/27/2011	23.93			Not Monitored			
LAIx-9	9/12/2005	25.55	--	--	--	14.13	11.42	11.42
LAIx-9	10/12/2005	25.55	--	--	--	14.79	10.76	10.76
LAIx-9	11/21/2005	25.55	--	--	--	12.98	12.57	12.57
LAIx-9	12/27/2005	25.55	--	--	--	11.42	14.13	14.13
LAIx-9	1/30/2006	25.55	--	--	--	10.27	15.28	15.28
LAIx-9	2/16/2006	25.55	12.35	13.20	0.03	12.38	13.19	13.22
LAIx-9	3/13/2006	25.55	--	--	--	12.78	12.77	12.77
LAIx-9	4/18/2006	25.55	--	--	--	12.34	13.21	13.21
LAIx-9	5/12/2006	25.55	--	--	--	13.33	12.22	12.22
LAIx-9	6/9/2006	25.55	--	--	--	12.86	12.69	12.69
LAIx-9	7/13/2006	25.55	14.48	11.07	0.06	14.57	11.03	11.07
LAIx-9	8/16/2006	25.55	--	--	--	15.30	10.25	10.25
LAIx-9	9/19/2006	25.55	--	--	--	14.98	10.57	10.57
LAIx-9	10/13/2006	25.55	--	--	--	15.01	10.54	10.54
LAIx-9	11/20/2006	25.55	--	--	--	11.77	13.78	13.78
LAIx-9	12/8/2006	25.55	11.72	13.83	0.06	11.78	13.82	13.86
LAIx-9	1/19/2007	25.55	11.24	14.31	0.04	11.28	14.30	14.33
LAIx-9	2/19/2007	25.55	12.23	13.32	0.04	12.27	13.31	13.34
LAIx-9	3/15/2007	25.55	12.55	13.00	0.05	12.60	12.99	13.03
LAIx-9	4/16/2007	25.55	12.30	13.25	0.03	12.33	13.24	13.27
LAIx-9	5/14/2007	25.55	--	--	--	13.41	12.14	12.14
LAIx-9	6/29/2007	25.55	--	--	--	13.92	11.63	11.63
LAIx-9	7/20/2007	25.55	--	--	--	14.34	11.21	11.21
LAIx-9	8/21/2007	25.55	--	--	--	14.25	11.30	11.30
LAIx-9	9/10/2007	25.55	--	--	--	14.52	11.03	11.03

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAIx-9	10/22/2007	25.55	--	--	--	13.31	12.24	12.24
LAIx-9	11/28/2007	25.55	--	--	--	12.50	13.05	13.05
LAIx-9	12/13/2007	25.55	--	--	--	11.40	14.15	14.15
LAIx-9	1/21/2008	25.55	--	--	--	8.61	16.94	16.94
LAIx-9	2/24/2008	25.55	--	--	--	12.30	13.25	13.25
LAIx-9	3/24/2008	25.55	--	--	--	12.06	13.49	13.49
LAIx-9	8/25/2008	25.55	--	--	--	13.30	12.25	12.25
LAIx-9	2/18/2009	25.55	--	--	Dry	--	--	Dry
LAIx-9	8/25/2009	25.55	--	--	--	14.23	11.32	11.32
LAIx-9	3/22/2010	25.55	--	--	--	12.25	13.30	13.30
LAIx-9	8/23/2010	25.55	--	--	Dry	--	--	--
LAIx-9	2/7/2011	25.55	--	--	--	11.71	13.84	--
LAIx-9	5/27/2011	25.55	--	--	Not Monitored	--	--	--
LAIx-9	11/14/2016	25.55	---	---	---	9.75	15.80	--
LAIx-9	2/16/2017	25.55	---	---	---	8.57	16.98	15.53
LAIx-9	5/24/2017	25.55	---	---	---	8.28	17.27	15.94
LAIx-9	9/26/2017	25.55	---	---	---	11.83	13.72	15.36
LAIx-9	12/11/2017	25.55	---	---	---	7.50	18.05	--
LAIx-9	2/26/2018	25.55	---	---	---	8.38	17.17	--
LAIx-9	6/11/2018	25.55	---	---	---	11.01	14.54	--
LAIx-9	8/27/2018	25.55	---	---	---	13.03	12.52	--
LAI-10	1/31/2003	19.87	--	--	--	4.34	15.53	--
LAI-10	2/12/2003	19.87	--	--	--	3.93	15.94	--
LAI-10	2/18/2003	19.87	--	--	--	4.51	15.36	--
LAI-10	2/21/2003	19.87	--	--	--	4.50	15.37	15.37
LAI-10	2/24/2003	19.87	--	--	--	4.48	15.39	15.39
LAI-10	3/3/2003	19.87	--	--	--	4.38	15.49	15.49
LAI-10	3/12/2003	19.87	--	--	--	4.31	15.56	15.56
LAI-10	3/14/2003	19.87	--	--	--	4.08	15.79	15.79
LAI-10	3/26/2003	19.87	--	--	--	4.78	15.09	15.09
LAI-10	3/28/2003	19.87	--	--	--	4.82	15.05	15.05
LAI-10	4/2/2003	19.87	--	--	--	4.25	15.62	15.62
LAI-10	4/4/2003	19.87	--	--	--	4.21	15.66	15.66
LAI-10	4/8/2003	19.87	--	--	--	4.50	15.37	15.37
LAI-10	4/11/2003	19.87	--	--	--	4.48	15.39	15.39
LAI-10	4/15/2003	19.87	--	--	--	4.09	15.78	15.78
LAI-10	4/17/2003	19.87	--	--	--	4.50	15.37	15.37
LAI-10	4/22/2003	19.87	--	--	--	4.45	15.42	15.42
LAI-10	4/25/2003	19.87	--	--	--	4.58	15.29	15.29
LAI-10	5/2/2003	19.87	--	--	--	4.23	15.64	15.64
LAI-10	5/6/2003	19.87	--	--	--	4.86	15.01	15.01
LAI-10	5/9/2003	19.87	--	--	--	5.10	14.77	14.77
LAI-10	5/16/2003	19.87	--	--	--	5.38	14.49	14.49
LAI-10	5/23/2003	19.87	--	--	--	6.50	13.37	13.37
LAI-10	5/28/2003	19.87	--	--	--	5.55	14.32	14.32
LAI-10	6/13/2003	19.87	--	--	--	6.17	13.70	13.70
LAI-10	6/18/2003	19.87	--	--	--	5.86	14.01	14.01
LAI-10	6/27/2003	19.87	--	--	--	5.89	13.98	13.98
LAI-10	7/7/2003	19.87	--	--	--	6.51	13.36	13.36
LAI-10	7/16/2003	19.87	--	--	--	5.53	14.34	14.34
LAI-10	7/31/2003	19.87	--	--	--	6.61	13.26	13.26
LAI-10	8/5/2003	19.87	--	--	--	6.68	13.19	13.19
LAI-10	8/11/2003	19.87	--	--	--	7.15	12.72	12.72
LAI-10	8/22/2003	19.87	--	--	--	8.68	11.19	11.19
LAI-10	8/26/2003	19.87	--	--	--	7.03	12.84	12.84
LAI-10	9/2/2003	19.87	--	--	--	7.15	12.72	12.72
LAI-10	9/9/2003	19.87	7.33	12.54	0.01	7.34	12.54	12.55
LAI-10	9/19/2003	19.87	--	--	--	7.37	12.50	12.50
LAI-10	10/14/2003	19.87	--	--	--	7.75	12.12	12.12
LAI-10	11/20/2003	19.87	--	--	--	4.48	15.39	15.39
LAI-10	12/3/2003	19.87	--	--	--	3.58	16.29	16.29
LAI-10	1/19/2004	19.87	--	--	--	3.29	16.58	16.58
LAI-10	2/24/2004	19.87	--	--	--	4.16	15.71	15.71
LAI-10	3/15/2004	19.87	--	--	--	5.01	14.86	14.86
LAI-10	4/19/2004	19.87	--	--	--	5.30	14.57	14.57
LAI-10	5/17/2004	19.87	--	--	--	5.79	14.08	14.08
LAI-10	6/22/2004	19.87	--	--	--	5.71	14.16	14.16
LAI-10	8/18/2004	19.87	6.71	13.16	0.01	6.72	13.16	13.17
LAI-10	9/21/2004	19.87	--	--	--	6.10	13.77	13.77
LAI-10	10/19/2004	19.87	--	--	--	5.23	14.64	14.64
LAI-10	11/23/2004	19.87	--	--	--	5.45	14.42	14.42
LAI-10	12/21/2004	19.87	--	--	--	3.99	15.88	15.88
LAI-10	1/13/2005	19.87	--	--	--	4.64	15.23	15.23
LAI-10	4/28/2005	19.87	--	--	--	4.23	15.64	15.64
LAI-10	6/1/2005	19.87	4.40	13.52	0.03	4.43	15.46	14.30
LAI-10	6/29/2005	19.87	--	--	--	5.45	14.42	12.47
LAI-10	7/20/2005	19.87	--	--	--	5.75	14.12	12.17
LAI-10	8/22/2005	19.87	6.22	13.65	0.01	6.23	13.65	13.66
LAI-10	9/12/2005	19.87	6.62	13.25	0.01	6.61	13.27	13.28
LAI-10	10/12/2005	19.87	--	--	--	7.11	12.76	12.76
LAI-10	11/21/2005	19.87	5.08	14.79	0.01	5.09	14.79	14.80
LAI-10	12/27/2005	19.87	--	--	--	4.14	15.73	15.73
LAI-10	1/30/2006	19.87	--	--	--	2.45	17.42	17.42
LAI-10	2/16/2006	19.87	--	--	--	3.62	16.25	16.25
LAI-10	3/13/2006	19.87	--	--	--	4.37	15.50	15.50
LAI-10	4/18/2006	19.87	--	--	--	4.51	15.36	15.36
LAI-10	5/12/2006	19.87	--	--	--	4.82	15.05	15.05
LAI-10	6/9/2006	19.87	--	--	--	4.57	15.30	15.30
LAI-10	7/13/2006	19.87	--	--	--	5.41	14.46	14.46
LAI-10	8/16/2006	19.87	--	--	--	6.15	13.72	13.72
LAI-10	9/19/2006	19.87	--	--	--	5.80	14.07	14.07
LAI-10	10/13/2006	19.87	--	--	--	6.60	13.27	13.27

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-10	11/20/2006	19.87	--	--	--	3.16	16.71	16.71
LAI-10	12/8/2006	19.87	--	--	--	3.29	16.58	16.58
LAI-10	1/19/2007	19.87	--	--	--	3.39	16.48	16.48
LAI-10	2/19/2007	19.87	--	--	--	4.37	15.50	15.50
LAI-10	3/15/2007	19.87	--	--	--	3.90	15.97	15.97
LAI-10	4/16/2007	19.87	--	--	--	4.20	15.67	15.67
LAI-10	5/14/2007	19.87	--	--	--	5.07	14.80	14.80
LAI-10	6/29/2007	19.87	--	--	--	6.06	13.81	13.81
LAI-10	7/20/2007	19.87	--	--	--	6.32	13.55	13.55
LAI-10	8/21/2007	19.87	--	--	--	7.81	12.06	12.06
LAI-10	9/10/2007	19.87	--	--	--	6.92	12.95	12.95
LAI-10	10/22/2007	19.87	--	--	--	5.99	13.88	13.88
LAI-10	11/28/2007	19.87	--	--	--	4.95	14.92	14.92
LAI-10	12/13/2007	19.87	--	--	--	4.32	15.55	15.55
LAI-10	1/21/2008	19.87	--	--	--	4.49	15.38	15.38
LAI-10	2/24/2008	19.87	--	--	--	4.89	14.98	14.98
LAI-10	3/24/2008	19.87	--	--	--	4.96	14.91	14.91
LAI-10	8/25/2008	19.87	--	--	--	5.63	14.24	14.24
LAI-10	2/18/2009	19.87	--	--	--	5.10	14.77	14.77
LAI-10	8/25/2009	19.87	--	--	--	7.22	12.65	12.65
LAI-10	3/22/2010	19.87	--	--	--	4.90	14.97	14.97
LAI-10	8/23/2010	19.87	--	--	--	6.34	13.53	13.53
LAI-10	2/7/2011	19.87	--	--	--	4.21	15.66	--
LAI-10	5/27/2011	19.87	--	--	--	4.78	15.09	--
LAI-10	8/8/2011	19.87	--	--	--	8.15	11.72	--
LAI-10	11/14/2011	19.87	--	--	--	5.73	14.14	--
LAI-10	2/20/2012	19.87	--	--	--	4.25	15.62	--
LAI-10	8/22/2012	19.87	--	--	--	6.09	13.78	--
LAI-10	11/5/2012	19.87	--	--	--	5.43	14.44	--
LAI-10	1/28/2013	19.87	--	--	--	3.89	15.98	--
LAI-10	5/9/2013	19.87	--	--	--	4.54	15.33	--
LAI-10	8/19/2013	19.87	--	--	--	6.69	13.18	--
LAI-10	11/25/2013	19.87	--	--	--	4.91	14.96	--
LAI-10	2/14/2014	19.87	--	--	--	3.48	16.39	--
LAI-10	5/5/2014	19.87	--	--	--	3.37	16.50	--
LAI-10	8/19/2014	19.87	--	--	--	6.47	13.40	--
LAI-10	11/21/2014	19.87	--	--	--	3.75	16.12	--
LAI-11	1/31/2003	20.61	--	--	--	4.55	16.06	--
LAI-11	2/12/2003	20.61	--	--	--	4.92	15.69	16.06
LAI-11	2/18/2003	20.61	--	--	--	5.41	15.20	15.69
LAI-11	2/21/2003	20.61	--	--	--	5.51	15.10	15.20
LAI-11	2/24/2003	20.61	--	--	--	5.48	15.13	15.13
LAI-11	3/3/2003	20.61	--	--	--	5.38	15.23	15.23
LAI-11	3/12/2003	20.61	--	--	--	5.32	15.29	15.29
LAI-11	3/14/2003	20.61	--	--	--	5.19	15.42	15.42
LAI-11	3/26/2003	20.61	--	--	--	4.81	15.80	15.80
LAI-11	3/28/2003	20.61	--	--	--	4.89	15.72	15.72
LAI-11	4/2/2003	20.61	--	--	--	5.28	15.33	15.33
LAI-11	4/4/2003	20.61	--	--	--	5.33	15.28	15.28
LAI-11	4/8/2003	20.61	--	--	--	5.41	15.20	15.20
LAI-11	4/11/2003	20.61	--	--	--	5.42	15.19	15.19
LAI-11	4/15/2003	20.61	--	--	--	5.08	15.53	15.53
LAI-11	4/17/2003	20.61	--	--	--	5.46	15.15	15.15
LAI-11	4/22/2003	20.61	--	--	--	5.47	15.14	15.14
LAI-11	4/25/2003	20.61	--	--	--	5.67	14.94	14.94
LAI-11	5/2/2003	20.61	--	--	--	5.12	15.49	15.49
LAI-11	5/6/2003	20.61	--	--	--	5.81	14.80	14.80
LAI-11	5/9/2003	20.61	--	--	--	6.00	14.61	14.61
LAI-11	5/16/2003	20.61	--	--	--	6.30	14.31	14.31
LAI-11	5/23/2003	20.61	--	--	--	6.58	14.03	14.03
LAI-11	5/28/2003	20.61	--	--	--	6.44	14.17	14.17
LAI-11	6/13/2003	20.61	--	--	--	6.70	13.91	13.91
LAI-11	6/18/2003	20.61	--	--	--	6.80	13.81	13.81
LAI-11	6/27/2003	20.61	--	--	--	6.81	13.80	13.80
LAI-11	7/7/2003	20.61	--	--	--	7.51	13.10	13.10
LAI-11	7/16/2003	20.61	--	--	--	6.42	14.19	14.19
LAI-11	7/31/2003	20.61	--	--	--	8.91	11.70	11.70
LAI-11	8/5/2003	20.61	--	--	--	8.51	12.10	12.10
LAI-11	8/11/2003	20.61	--	--	--	8.79	11.82	11.82
LAI-11	8/22/2003	20.61	--	--	--	8.43	12.18	12.18
LAI-11	8/26/2003	20.61	--	--	--	8.92	11.69	11.69
LAI-11	9/2/2003	20.61	--	--	--	8.95	11.66	11.66
LAI-11	9/9/2003	20.61	--	--	--	9.24	11.37	11.37
LAI-11	9/19/2003	20.61	--	--	--	8.99	11.62	11.62
LAI-11	10/14/2003	20.61	--	--	--	9.15	11.46	11.46
LAI-11	11/20/2003	20.61	--	--	--	5.31	15.30	15.30
LAI-11	12/3/2003	20.61	--	--	--	4.50	16.11	16.11
LAI-11	1/19/2004	20.61	--	--	--	4.33	16.28	16.28
LAI-11	2/24/2004	20.61	--	--	--	5.19	15.42	15.42
LAI-11	3/15/2004	20.61	--	--	--	5.94	14.67	14.67
LAI-11	4/19/2004	20.61	--	--	--	6.23	14.38	14.38
LAI-11	5/17/2004	20.61	--	--	--	6.80	13.81	13.81
LAI-11	6/22/2004	20.61	--	--	--	6.70	13.91	13.91
LAI-11	8/18/2004	20.61	--	--	--	8.19	12.42	12.42
LAI-11	9/21/2004	20.61	--	--	--	7.03	13.58	13.58
LAI-11	10/19/2004	20.61	--	--	--	6.10	14.51	14.51
LAI-11	11/23/2004	20.61	--	--	--	6.35	14.26	14.26
LAI-11	12/21/2004	20.61	--	--	--	4.81	15.80	15.80
LAI-11	1/13/2005	20.61	--	--	--	5.40	15.21	15.21
LAI-11	4/28/2005	20.61	--	--	--	5.13	15.48	15.48
LAI-11	6/1/2005	20.61	--	--	--	5.32	15.29	15.29
LAI-11	6/29/2005	20.61	--	--	--	6.28	14.33	14.33

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-11	7/20/2005	20.61	--	--	--	6.55	14.06	14.06
LAI-11	8/22/2005	20.61	6.94	13.67	0.01	6.95	13.67	13.68
LAI-11	9/12/2005	20.61	6.90	13.71	0.46	7.36	13.60	13.94
LAI-11	10/12/2005	20.61	8.185	12.43	0.005	8.19	12.42	12.43
LAI-11	11/21/2005	20.61	--	--	--	5.81	14.80	14.80
LAI-11	12/27/2005	20.61	--	--	--	5.24	15.37	15.37
LAI-11	1/30/2006	20.61	--	--	--	2.99	17.62	17.62
LAI-11	2/16/2006	20.61	--	--	--	4.44	16.17	16.17
LAI-11	3/13/2006	20.61	--	--	--	5.20	15.41	15.41
LAI-11	4/18/2006	20.61	--	--	--	5.43	15.18	15.18
LAI-11	5/12/2006	20.61	--	--	--	5.65	14.96	14.96
LAI-11	6/9/2006	20.61	--	--	--	5.48	15.13	15.13
LAI-11	7/13/2006	20.61	--	--	--	6.25	14.36	14.36
LAI-11	8/16/2006	20.61	--	--	--	7.05	13.56	13.56
LAI-11	9/19/2006	20.61	--	--	--	7.65	12.96	12.96
LAI-11	10/13/2006	20.61	--	--	--	7.46	13.15	13.15
LAI-11	11/20/2006	20.61	--	--	--	4.03	16.58	16.58
LAI-11	12/8/2006	20.61	--	--	--	4.12	16.49	16.49
LAI-11	1/19/2007	20.61	--	--	--	4.16	16.45	16.45
LAI-11	2/19/2007	20.61	--	--	--	5.31	15.30	15.30
LAI-11	3/15/2007	20.61	--	--	--	4.80	15.81	15.81
LAI-11	4/16/2007	20.61	--	--	--	5.10	15.51	15.51
LAI-11	5/14/2007	20.61	--	--	--	5.92	14.69	14.69
LAI-11	6/29/2007	20.61	--	--	--	6.82	13.79	13.79
LAI-11	7/20/2007	20.61	--	--	--	7.12	13.49	13.49
LAI-11	8/21/2007	20.61	--	--	--	7.76	12.85	12.85
LAI-11	9/10/2007	20.61	--	--	--	7.87	12.74	12.74
LAI-11	10/22/2007	20.61	--	--	--	7.26	13.35	13.35
LAI-11	11/28/2007	20.61	--	--	--	6.00	14.61	14.61
LAI-11	12/13/2007	20.61	--	--	--	5.06	15.55	15.55
LAI-11	1/21/2008	20.61	--	--	--	4.38	16.23	16.23
LAI-11	2/24/2008	20.61	--	--	--	5.71	14.90	14.90
LAI-11	3/24/2008	20.61	--	--	--	5.88	14.73	14.73
LAI-11	8/25/2008	20.61	--	--	--	6.40	14.21	14.21
LAI-11	2/18/2009	20.61	--	--	--	5.84	14.77	14.77
LAI-11	8/25/2009	20.61	--	--	--	7.95	12.66	12.66
LAI-11	3/22/2010	20.61	--	--	--	5.56	15.05	15.05
LAI-11	8/23/2010	20.61	--	--	--	7.36	13.25	13.25
LAI-11	2/7/2011	20.61	--	--	--	4.90	15.71	--
LAI-11	5/27/2011	20.61	--	--	Not Monitored	--	--	--
LAI-11	8/8/2011	20.61	--	--	--	6.89	13.72	--
LAI-11	11/14/2011	20.61	--	--	--	6.63	13.98	--
LAI-11	2/20/2012	20.61	--	--	--	4.94	15.67	--
LAI-11	8/22/2012	20.61	--	--	--	6.86	13.75	--
LAI-11	11/5/2012	20.61	--	--	--	6.00	14.61	--
LAI-11	1/28/2013	20.61	--	--	--	4.63	15.98	--
LAI-11	5/9/2013	20.61	--	--	--	5.43	15.18	--
LAI-11	8/19/2013	20.61	--	--	--	7.41	13.20	--
LAI-11	11/25/2013	20.61	--	--	--	5.64	14.97	--
LAI-11	2/14/2014	20.61	--	--	--	4.31	16.30	--
LAI-11	5/5/2014	20.61	--	--	--	3.56	17.05	--
LAI-11	8/19/2014	20.61	--	--	--	7.27	13.34	--
LAI-11	11/21/2014	20.61	--	--	--	5.03	15.58	--
LAI-12	1/31/2003	19.34	--	--	--	3.28	16.06	--
LAI-12	2/12/2003	19.34	--	--	--	3.98	15.36	16.06
LAI-12	2/18/2003	19.34	--	--	--	4.50	14.84	15.36
LAI-12	2/21/2003	19.34	--	--	--	4.60	14.74	14.84
LAI-12	2/24/2003	19.34	--	--	--	4.58	14.76	14.76
LAI-12	3/3/2003	19.34	--	--	--	4.61	14.73	14.73
LAI-12	3/12/2003	19.34	--	--	--	4.38	14.96	14.96
LAI-12	3/14/2003	19.34	--	--	--	4.17	15.17	15.17
LAI-12	3/26/2003	19.34	--	--	--	4.04	15.30	15.30
LAI-12	3/28/2003	19.34	--	--	--	4.10	15.24	15.24
LAI-12	4/2/2003	19.34	--	--	--	4.34	15.00	15.00
LAI-12	4/4/2003	19.34	--	--	--	4.45	14.89	14.89
LAI-12	4/8/2003	19.34	--	--	--	4.58	14.76	14.76
LAI-12	4/11/2003	19.34	--	--	--	4.65	14.69	14.69
LAI-12	4/15/2003	19.34	--	--	--	4.25	15.09	15.09
LAI-12	4/17/2003	19.34	--	--	--	4.69	14.65	14.65
LAI-12	4/22/2003	19.34	--	--	--	4.69	14.65	14.65
LAI-12	4/25/2003	19.34	--	--	--	4.81	14.53	14.53
LAI-12	5/2/2003	19.34	--	--	--	4.98	14.36	14.36
LAI-12	5/6/2003	19.34	--	--	--	5.22	14.12	14.12
LAI-12	5/9/2003	19.34	--	--	--	5.46	13.88	13.88
LAI-12	5/16/2003	19.34	--	--	--	5.74	13.60	13.60
LAI-12	5/23/2003	19.34	--	--	--	5.27	14.07	14.07
LAI-12	5/28/2003	19.34	--	--	--	5.88	13.46	13.46
LAI-12	6/13/2003	19.34	--	--	--	5.45	13.89	13.89
LAI-12	6/18/2003	19.34	--	--	--	6.18	13.16	13.16
LAI-12	6/27/2003	19.34	--	--	--	6.22	13.12	13.12
LAI-12	7/7/2003	19.34	--	--	--	6.95	12.39	12.39
LAI-12	7/16/2003	19.34	--	--	--	5.84	13.50	13.50
LAI-12	7/31/2003	19.34	--	--	--	6.97	12.37	12.37
LAI-12	8/5/2003	19.34	--	--	--	7.05	12.29	12.29
LAI-12	8/11/2003	19.34	--	--	--	6.80	12.54	12.54
LAI-12	8/22/2003	19.34	--	--	--	8.19	11.15	11.15
LAI-12	8/26/2003	19.34	--	--	--	7.33	12.01	12.01
LAI-12	9/2/2003	19.34	--	--	--	7.45	11.89	11.89
LAI-12	9/9/2003	19.34	--	--	--	7.64	11.70	11.70
LAI-12	9/19/2003	19.34	--	--	--	7.93	11.41	11.41
LAI-12	10/14/2003	19.34	--	--	--	7.48	11.86	11.86
LAI-12	11/20/2003	19.34	--	--	--	4.06	15.28	15.28

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-12	12/3/2003	19.34	--	--	--	3.37	15.97	15.97
LAI-12	1/19/2004	19.34	--	--	--	3.81	15.53	15.53
LAI-12	2/24/2004	19.34	--	--	--	4.32	15.02	15.02
LAI-12	3/15/2004	19.34	--	--	--	5.13	14.21	14.21
LAI-12	4/19/2004	19.34	--	--	--	5.61	13.73	13.73
LAI-12	5/17/2004	19.34	--	--	--	6.23	13.11	13.11
LAI-12	6/22/2004	19.34	--	--	--	6.14	13.20	13.20
LAI-12	8/18/2004	19.34	--	--	--	7.15	12.19	12.19
LAI-12	9/21/2004	19.34	--	--	--	6.18	13.16	13.16
LAI-12	10/19/2004	19.34	--	--	--	5.39	13.95	13.95
LAI-12	11/23/2004	19.34	--	--	--	5.68	13.66	13.66
LAI-12	12/21/2004	19.34	--	--	--	3.86	15.48	15.48
LAI-12	1/13/2005	19.34	--	--	--	4.95	14.39	14.39
LAI-12	4/28/2005	19.34	--	--	--	4.41	14.93	14.93
LAI-12	6/1/2005	19.34	--	--	--	4.61	14.73	14.73
LAI-12	6/29/2005	19.34	--	--	--	5.77	13.57	13.57
LAI-12	7/20/2005	19.34	9.15	10.19	0.01	9.16	10.19	10.20
LAI-12	8/22/2005	19.34	6.48	12.86	0.01	6.49	12.86	12.87
LAI-12	9/12/2005	19.34	--	--	--	6.90	12.44	12.44
LAI-12	10/12/2005	19.34	7.40	11.94	0.01	7.41	11.94	11.95
LAI-12	11/21/2005	19.34	--	--	--	4.48	14.86	14.86
LAI-12	12/27/2005	19.34	--	--	--	3.95	15.39	15.39
LAI-12	1/30/2006	19.34	--	--	--	2.33	17.01	17.01
LAI-12	2/16/2006	19.34	--	--	--	3.33	16.01	16.01
LAI-12	3/13/2006	19.34	--	--	--	4.34	15.00	15.00
LAI-12	4/18/2006	19.34	--	--	--	4.69	14.65	14.65
LAI-12	5/12/2006	19.34	--	--	--	4.99	14.35	14.35
LAI-12	6/9/2006	19.34	--	--	--	4.61	14.73	14.73
LAI-12	7/13/2006	19.34	--	--	--	5.68	13.66	13.66
LAI-12	8/16/2006	19.34	--	--	--	6.41	12.93	12.93
LAI-12	9/19/2006	19.34	--	--	--	6.98	12.36	12.36
LAI-12	10/13/2006	19.34	--	--	--	6.78	12.56	12.56
LAI-12	11/20/2006	19.34	--	--	--	3.18	16.16	16.16
LAI-12	12/8/2006	19.34	--	--	--	2.89	16.45	16.45
LAI-12	1/19/2007	19.34	--	--	--	2.85	16.49	16.49
LAI-12	2/19/2007	19.34	--	--	--	4.55	14.79	14.79
LAI-12	3/15/2007	19.34	--	--	--	3.73	15.61	15.61
LAI-12	4/16/2007	19.34	--	--	--	4.19	15.15	15.15
LAI-12	5/14/2007	19.34	--	--	--	5.37	13.97	13.97
LAI-12	6/29/2007	19.34	--	--	--	6.30	13.04	13.04
LAI-12	7/20/2007	19.34	--	--	--	6.56	12.78	12.78
LAI-12	8/21/2007	19.34	--	--	--	7.19	12.15	12.15
LAI-12	9/10/2007	19.34	--	--	--	7.21	12.13	12.13
LAI-12	10/22/2007	19.34	--	--	--	6.09	13.25	13.25
LAI-12	11/28/2007	19.34	--	--	--	5.34	14.00	14.00
LAI-12	12/13/2007	19.34	--	--	--	3.97	15.37	15.37
LAI-12	1/21/2008	19.34	--	--	--	5.24	14.10	14.10
LAI-12	2/24/2008	19.34	--	--	--	5.08	14.26	14.26
LAI-12	3/24/2008	19.34	--	--	--	6.25	13.09	13.09
LAI-12	8/25/2008	19.34	--	--	--	6.82	12.52	12.52
LAI-12	2/18/2009	19.34	--	--	--	5.32	14.02	14.02
LAI-12	8/25/2009	19.34	--	--	--	7.44	11.90	11.90
LAI-12	3/22/2010	19.34	--	--	--	4.70	14.64	15.64
LAI-12	8/23/2010	19.34	--	--	--	6.62	12.72	12.72
LAI-12	2/7/2011	19.34	--	--	--	9.65	9.69	--
LAI-12	5/27/2011	19.34	--	--	--	4.63	14.71	--
LAI-12	8/8/2011	19.34	--	--	--	6.39	12.95	--
LAI-12	11/14/2011	19.34	--	--	--	6.19	13.15	--
LAI-12	2/20/2012	19.34	--	--	--	3.86	15.48	--
LAI-12	8/22/2012	19.34	--	--	--	6.29	13.05	--
LAI-12	11/5/2012	19.34	--	--	--	4.71	14.63	--
LAI-12	1/28/2013	19.34	--	--	--	3.73	15.61	--
LAI-12	5/9/2013	19.34	--	--	--	4.57	14.77	--
LAI-12	8/19/2013	19.34	--	--	--	6.82	12.52	--
LAI-12	11/25/2013	19.34	--	--	--	4.75	14.59	--
LAI-12	2/14/2014	19.34	--	--	--	4.04	15.30	--
LAI-12	5/5/2014	19.34	--	--	--	3.12	16.22	--
LAI-12	8/19/2014	19.34	--	--	--	6.71	12.63	--
LAI-12	11/21/2014	19.34	--	--	--	4.09	15.25	--
LAI-13	1/31/2003	21.53	--	--	--	5.25	16.28	--
LAI-13	2/12/2003	21.53	--	--	--	6.28	15.25	16.28
LAI-13	2/18/2003	21.53	--	--	--	6.15	15.38	15.25
LAI-13	2/21/2003	21.53	--	--	--	6.29	15.24	15.38
LAI-13	2/24/2003	21.53	--	--	--	6.65	14.88	14.88
LAI-13	3/3/2003	21.53	--	--	--	6.88	14.65	14.65
LAI-13	3/12/2003	21.53	--	--	--	6.87	14.66	14.66
LAI-13	3/14/2003	21.53	--	--	--	6.62	14.91	14.91
LAI-13	3/26/2003	21.53	6.16	15.37	0.00	6.16	15.37	15.37
LAI-13	3/28/2003	21.53	--	--	--	6.21	15.32	15.32
LAI-13	4/2/2003	21.53	--	--	--	6.25	15.28	15.28
LAI-13	4/4/2003	21.53	--	--	--	6.25	15.28	15.28
LAI-13	4/8/2003	21.53	--	--	--	6.69	14.84	14.84
LAI-13	4/11/2003	21.53	--	--	--	6.69	14.84	14.84
LAI-13	4/15/2003	21.53	--	--	--	6.61	14.92	14.92
LAI-13	4/17/2003	21.53	--	--	--	6.66	14.87	14.87
LAI-13	4/22/2003	21.53	--	--	--	6.87	14.66	14.66
LAI-13	4/25/2003	21.53	--	--	--	6.92	14.61	14.61
LAI-13	5/2/2003	21.53	--	--	--	6.71	14.82	14.82
LAI-13	5/6/2003	21.53	--	--	--	7.25	14.28	14.28
LAI-13	5/9/2003	21.53	--	--	--	7.36	14.17	14.17
LAI-13	5/16/2003	21.53	--	--	--	7.63	13.90	13.90
LAI-13	5/23/2003	21.53	--	--	--	7.78	13.75	13.75

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-13	5/28/2003	21.53	--	--	--	7.80	13.73	13.73
LAI-13	6/13/2003	21.53	--	--	--	8.01	13.52	13.52
LAI-13	6/18/2003	21.53	--	--	--	8.02	13.51	13.51
LAI-13	6/27/2003	21.53	--	--	--	8.06	13.47	13.47
LAI-13	7/7/2003	21.53	--	--	--	8.45	13.08	13.08
LAI-13	7/16/2003	21.53	--	--	--	7.71	13.82	13.82
LAI-13	7/31/2003	21.53	--	--	--	8.51	13.02	13.02
LAI-13	8/5/2003	21.53	--	--	--	8.54	12.99	12.99
LAI-13	8/11/2003	21.53	--	--	--	8.62	12.91	12.91
LAI-13	8/22/2003	21.53	--	--	--	9.81	11.72	11.72
LAI-13	8/26/2003	21.53	--	--	--	8.81	12.72	12.72
LAI-13	9/2/2003	21.53	--	--	--	8.88	12.65	12.65
LAI-13	9/9/2003	21.53	--	--	--	8.91	12.62	12.62
LAI-13	9/19/2003	21.53	--	--	--	10.94	10.59	10.59
LAI-13	10/14/2003	21.53	--	--	--	9.08	12.45	12.45
LAI-13	11/20/2003	21.53	--	--	--	5.94	15.59	15.59
LAI-13	12/3/2003	21.53	--	--	--	5.52	16.01	16.01
LAI-13	1/19/2004	21.53	--	--	--	5.39	16.14	16.14
LAI-13	2/24/2004	21.53	--	--	--	5.77	15.76	15.76
LAI-13	3/15/2004	21.53	--	--	--	6.66	14.87	14.87
LAI-13	4/19/2004	21.53	--	--	--	7.58	13.95	13.95
LAI-13	5/17/2004	21.53	--	--	--	8.05	13.48	13.48
LAI-13	6/22/2004	21.53	--	--	--	7.91	13.62	13.62
LAI-13	8/18/2004	21.53	--	--	--	8.57	12.96	12.96
LAI-13	9/21/2004	21.53	--	--	--	7.28	14.25	14.25
LAI-13	10/19/2004	21.53	--	--	--	7.10	14.43	14.43
LAI-13	11/23/2004	21.53	--	--	--	7.39	14.14	14.14
LAI-13	12/21/2004	21.53	--	--	--	5.69	15.84	15.84
LAI-13	1/13/2005	21.53	--	--	--	6.76	14.77	14.77
LAI-13	4/28/2005	21.53	--	--	--	6.71	14.82	14.82
LAI-13	6/1/2005	21.53	--	--	--	6.78	14.75	14.75
LAI-13	6/29/2005	21.53	--	--	--	7.51	14.02	14.02
LAI-13	7/20/2005	21.53	--	--	--	7.80	13.73	13.73
LAI-13	8/22/2005	21.53	--	--	--	8.17	13.36	13.36
LAI-13	9/12/2005	21.53	--	--	--	9.41	12.12	12.12
LAI-13	10/12/2005	21.53	--	--	--	8.63	12.90	12.90
LAI-13	11/21/2005	21.53	--	--	--	7.05	14.48	14.48
LAI-13	12/27/2005	21.53	--	--	--	5.70	15.83	15.83
LAI-13	1/30/2006	21.53	--	--	--	4.63	16.90	16.90
LAI-13	2/16/2006	21.53	--	--	--	5.42	16.11	16.11
LAI-13	3/13/2006	21.53	--	--	--	6.24	15.29	15.29
LAI-13	4/18/2006	21.53	--	--	--	6.82	14.71	14.71
LAI-13	5/12/2006	21.53	--	--	--	7.25	14.28	14.28
LAI-13	6/9/2006	21.53	--	--	--	6.86	14.67	14.67
LAI-13	7/13/2006	21.53	--	--	--	7.71	13.82	13.82
LAI-13	8/16/2006	21.53	--	--	--	8.16	13.37	13.37
LAI-13	9/19/2006	21.53	--	--	--	8.69	12.84	12.84
LAI-13	10/13/2006	21.53	--	--	--	8.37	13.16	13.16
LAI-13	11/20/2006	21.53	--	--	--	4.28	17.25	17.25
LAI-13	12/8/2006	21.53	--	--	--	4.01	17.52	17.52
LAI-13	1/19/2007	21.53	--	--	--	5.02	16.51	16.51
LAI-13	2/19/2007	21.53	--	--	--	6.60	14.93	14.93
LAI-13	3/15/2007	21.53	--	--	--	5.87	15.66	15.66
LAI-13	4/16/2007	21.53	--	--	--	6.35	15.18	15.18
LAI-13	5/14/2007	21.53	--	--	--	7.40	14.13	14.13
LAI-13	6/29/2007	21.53	--	--	--	8.05	13.48	13.48
LAI-13	7/20/2007	21.53	--	--	--	8.05	13.48	13.48
LAI-13	8/21/2007	21.53	--	--	--	8.22	13.31	13.31
LAI-13	9/10/2007	21.53	--	--	--	8.30	13.23	13.23
LAI-13	10/22/2007	21.53	--	--	--	7.27	14.26	14.26
LAI-13	11/28/2007	21.53	--	--	--	6.87	14.66	14.66
LAI-13	12/13/2007	21.53	--	--	--	5.06	16.47	16.47
LAI-13	1/21/2008	21.53	--	--	--	5.36	16.17	16.17
LAI-13	2/24/2008	21.53	--	--	--	6.51	15.02	15.02
LAI-13	3/24/2008	21.53	--	--	--	7.14	14.39	14.39
LAI-13	8/25/2008	21.53	--	--	--	7.89	13.64	13.64
LAI-13	2/18/2009	21.53	--	--	--	6.93	14.60	14.60
LAI-13	8/25/2009	21.53	--	--	--	8.60	12.93	12.93
LAI-13	3/22/2010	21.53	--	--	--	5.95	15.58	15.58
LAI-13	8/23/2010	21.53	--	--	--	7.76	13.77	13.77
LAI-13	2/7/2011	21.53	--	--	--	5.60	15.93	--
LAI-13	5/27/2011	21.53	--	--	Not Monitored	--	--	--
LAI-13	8/8/2011	21.53	--	--	--	7.70	13.83	--
LAI-13	11/14/2011	21.53	--	--	--	7.40	14.13	--
LAI-13	2/20/2012	21.53	--	--	--	5.03	16.5	--
LAI-13	8/22/2012	21.53	--	--	--	7.86	13.67	--
LAI-13	11/5/2012	21.53	--	--	--	5.86	15.67	--
LAI-13	1/28/2013	21.53	--	--	--	5.79	15.74	--
LAI-13	5/9/2013	21.53	--	--	--	6.05	15.48	--
LAI-13	8/19/2013	21.53	--	--	--	8.21	13.32	--
LAI-13	11/25/2013	21.53	--	--	--	6.08	15.45	--
LAI-13	2/14/2014	21.53	--	--	--	6.23	15.30	--
LAI-13	5/5/2014	21.53	--	--	--	5.07	16.46	--
LAI-13	8/19/2014	21.53	--	--	--	7.85	13.68	--
LAI-13	11/21/2014	21.53	--	--	--	5.91	15.62	--
LAI-14	1/31/2003	21.69	--	--	--	6.12	15.57	--
LAI-14	2/12/2003	21.69	--	--	--	7.11	14.58	15.57
LAI-14	2/18/2003	21.69	--	--	--	7.17	14.52	14.58
LAI-14	2/21/2003	21.69	--	--	--	7.25	14.44	14.52
LAI-14	2/24/2003	21.69	--	--	--	7.25	14.44	14.44
LAI-14	3/3/2003	21.69	--	--	--	7.50	14.19	14.19
LAI-14	3/12/2003	21.69	--	--	--	7.40	14.29	14.29

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-14	3/14/2003	21.69	--	--	--	7.23	14.46	14.46
LAI-14	3/26/2003	21.69	--	--	--	7.04	14.65	14.65
LAI-14	3/28/2003	21.69	--	--	--	7.07	14.62	14.62
LAI-14	4/2/2003	21.69	--	--	--	7.00	14.69	14.69
LAI-14	4/4/2003	21.69	--	--	--	7.24	14.45	14.45
LAI-14	4/8/2003	21.69	--	--	--	7.41	14.28	14.28
LAI-14	4/11/2003	21.69	--	--	--	7.36	14.33	14.33
LAI-14	4/15/2003	21.69	--	--	--	7.34	14.35	14.35
LAI-14	4/17/2003	21.69	--	--	--	7.39	14.30	14.30
LAI-14	4/22/2003	21.69	--	--	--	7.53	14.16	14.16
LAI-14	4/25/2003	21.69	--	--	--	7.62	14.07	14.07
LAI-14	5/2/2003	21.69	--	--	--	7.20	14.49	14.49
LAI-14	5/6/2003	21.69	--	--	--	7.82	13.87	13.87
LAI-14	5/9/2003	21.69	--	--	--	7.86	13.83	13.83
LAI-14	5/16/2003	21.69	--	--	--	8.00	13.69	13.69
LAI-14	5/23/2003	21.69	--	--	--	8.03	13.66	13.66
LAI-14	5/28/2003	21.69	--	--	--	8.14	13.55	13.55
LAI-14	6/13/2003	21.69	--	--	--	8.30	13.39	13.39
LAI-14	6/18/2003	21.69	--	--	--	8.33	13.36	13.36
LAI-14	6/27/2003	21.69	--	--	--	8.35	13.34	13.34
LAI-14	7/7/2003	21.69	--	--	--	8.65	13.04	13.04
LAI-14	7/16/2003	21.69	--	--	--	7.83	13.86	13.86
LAI-14	7/31/2003	21.69	--	--	--	8.41	13.28	13.28
LAI-14	8/5/2003	21.69	--	--	--	8.73	12.96	12.96
LAI-14	8/11/2003	21.69	--	--	--	8.80	12.89	12.89
LAI-14	8/22/2003	21.69	--	--	--	9.89	11.80	11.80
LAI-14	8/26/2003	21.69	--	--	--	9.04	12.65	12.65
LAI-14	9/2/2003	21.69	--	--	--	9.07	12.62	12.62
LAI-14	9/9/2003	21.69	--	--	--	9.14	12.55	12.55
LAI-14	9/19/2003	21.69	--	--	--	9.14	12.55	12.55
LAI-14	10/14/2003	21.69	--	--	--	9.30	12.39	12.39
LAI-14	11/20/2003	21.69	--	--	--	6.59	15.10	15.10
LAI-14	12/3/2003	21.69	--	--	--	6.53	15.16	15.16
LAI-14	1/19/2004	21.69	--	--	--	6.45	15.24	15.24
LAI-14	2/24/2004	21.69	--	--	--	7.03	14.66	14.66
LAI-14	3/15/2004	21.69	--	--	--	7.52	14.17	14.17
LAI-14	4/19/2004	21.69	--	--	--	8.03	13.66	13.66
LAI-14	5/17/2004	21.69	--	--	--	8.32	13.37	13.37
LAI-14	6/22/2004	21.69	--	--	--	8.26	13.43	13.43
LAI-14	8/18/2004	21.69	--	--	--	8.86	12.83	12.83
LAI-14	9/21/2004	21.69	--	--	--	8.00	13.69	13.69
LAI-14	10/19/2004	21.69	--	--	--	8.00	13.69	13.69
LAI-14	11/23/2004	21.69	--	--	--	8.00	13.69	13.69
LAI-14	12/21/2004	21.69	--	--	--	7.11	14.58	14.58
LAI-14	1/13/2005	21.69	--	--	--	7.68	14.01	14.01
LAI-14	4/28/2005	21.69	--	--	--	7.47	14.22	14.22
LAI-14	6/1/2005	21.69	--	--	--	7.58	14.11	14.11
LAI-14	6/29/2005	21.69	--	--	--	8.02	13.67	13.67
LAI-14	7/20/2005	21.69	8.23	13.46	0.01	8.24	13.46	13.47
LAI-14	8/22/2005	21.69	--	--	--	8.50	13.19	10.79
LAI-14	9/12/2005	21.69	--	--	--	8.63	13.06	10.66
LAI-14	10/12/2005	21.69	--	--	--	8.86	12.83	12.83
LAI-14	11/21/2005	21.69	--	--	--	7.41	14.28	14.28
LAI-14	12/27/2005	21.69	--	--	--	6.48	15.21	15.21
LAI-14	1/30/2006	21.69	--	--	--	4.68	17.01	17.01
LAI-14	2/16/2006	21.69	6.30	15.39	0.07	6.37	15.37	15.43
LAI-14	3/13/2006	21.69	--	--	--	7.43	14.26	14.26
LAI-14	4/18/2006	21.69	--	--	--	7.56	14.13	14.13
LAI-14	5/12/2006	21.69	--	--	--	7.75	13.94	13.94
LAI-14	6/9/2006	21.69	--	--	--	7.58	14.11	14.11
LAI-14	7/13/2006	21.69	--	--	--	8.10	13.59	13.59
LAI-14	8/16/2006	21.69	--	--	--	8.43	13.26	13.26
LAI-14	9/19/2006	21.69	--	--	--	8.70	12.99	12.99
LAI-14	10/13/2006	21.69	--	--	--	8.56	13.13	13.13
LAI-14	11/20/2006	21.69	--	--	--	5.64	16.05	16.05
LAI-14	12/8/2006	21.69	--	--	--	6.12	15.57	15.57
LAI-14	1/19/2007	21.69	--	--	--	6.12	15.57	15.57
LAI-14	2/19/2007	21.69	--	--	--	7.45	14.24	14.24
LAI-14	3/15/2007	21.69	--	--	--	6.95	14.74	14.74
LAI-14	4/16/2007	21.69	--	--	--	7.38	14.31	14.31
LAI-14	5/14/2007	21.69	--	--	--	7.84	13.85	13.85
LAI-14	6/29/2007	21.69	--	--	--	8.27	13.42	13.42
LAI-14	7/20/2007	21.69	--	--	--	8.31	13.38	13.38
LAI-14	8/21/2007	21.69	--	--	--	8.48	13.21	13.21
LAI-14	9/10/2007	21.69	--	--	--	8.59	13.10	13.10
LAI-14	10/22/2007	21.69	--	--	--	7.82	13.87	13.87
LAI-14	11/28/2007	21.69	--	--	--	5.50	16.19	16.19
LAI-14	12/13/2007	21.69	--	--	--	6.45	15.24	15.24
LAI-14	1/21/2008	21.69	--	--	--	6.77	14.92	14.92
LAI-14	2/24/2008	21.69	--	--	--	7.37	14.32	14.32
LAI-14	3/24/2008	21.69	--	--	--	7.59	14.10	14.10
LAI-14	8/25/2008	21.69	--	--	--	8.36	13.33	13.33
LAI-14	2/18/2009	21.69	--	--	--	7.60	14.09	14.09
LAI-14	8/25/2009	21.69	--	--	--	8.78	12.91	12.91
LAI-14	3/22/2010	21.69	--	--	--	7.17	14.52	14.52
LAI-14	8/23/2010	21.69	--	--	--	8.13	13.56	13.56
LAI-14	2/7/2011	21.69	--	--	--	6.71	14.98	--
LAI-14	5/27/2011	21.69	--	--	--	6.98	14.71	--
LAI-14	8/8/2011	21.69	--	--	--	8.06	13.63	--
LAI-14	11/14/2011	21.69	--	--	--	7.91	13.78	--
LAI-14	2/20/2012	21.69	--	--	--	6.39	15.30	--
LAI-14	8/22/2012	21.69	--	--	--	8.15	13.54	--
LAI-14	11/5/2012	21.69	--	--	--	6.60	15.09	--

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-14	1/28/2013	21.69	--	--	--	6.91	14.78	--
LAI-14	5/9/2013	21.69	--	--	--	7.02	14.67	--
LAI-14	8/19/2013	21.69	--	--	--	8.51	13.18	--
LAI-14	11/25/2013	21.69	--	--	--	7.07	14.62	--
LAI-14	2/14/2014	21.69	--	--	--	6.79	14.90	--
LAI-14	5/5/2014	21.69	--	--	--	5.94	15.75	--
LAI-14	11/21/2014	21.69	--	--	--	6.88	14.81	--
LAI-15	1/31/2003	19.76	--	--	--	6.13	13.63	--
LAI-15	2/12/2003	19.76	--	--	--	4.23	15.53	13.63
LAI-15	2/18/2003	19.76	--	--	--	4.51	15.25	15.53
LAI-15	2/21/2003	19.76	--	--	--	4.72	15.04	15.25
LAI-15	2/24/2003	19.76	--	--	--	4.74	15.02	15.02
LAI-15	3/3/2003	19.76	--	--	--	4.96	14.80	14.80
LAI-15	3/12/2003	19.76	--	--	--	4.81	14.95	14.95
LAI-15	3/14/2003	19.76	--	--	--	4.14	15.62	15.62
LAI-15	3/26/2003	19.76	--	--	--	3.82	15.94	15.94
LAI-15	3/28/2003	19.76	--	--	--	3.85	15.91	15.91
LAI-15	4/2/2003	19.76	--	--	--	4.40	15.36	15.36
LAI-15	4/4/2003	19.76	--	--	--	4.49	15.27	15.27
LAI-15	4/8/2003	19.76	--	--	--	4.71	15.05	15.05
LAI-15	4/11/2003	19.76	--	--	--	4.80	14.96	14.96
LAI-15	4/15/2003	19.76	--	--	--	4.75	15.01	15.01
LAI-15	4/17/2003	19.76	--	--	--	4.77	14.99	14.99
LAI-15	4/22/2003	19.76	--	--	--	4.99	14.77	14.77
LAI-15	4/25/2003	19.76	--	--	--	5.09	14.67	14.67
LAI-15	5/2/2003	19.76	--	--	--	5.13	14.63	14.63
LAI-15	5/6/2003	19.76	--	--	--	5.55	14.21	14.21
LAI-15	5/9/2003	19.76	--	--	--	5.68	14.08	14.08
LAI-15	5/16/2003	19.76	--	--	--	4.90	14.86	14.86
LAI-15	5/23/2003	19.76	--	--	--	6.12	13.64	13.64
LAI-15	5/28/2003	19.76	--	--	--	6.13	13.63	13.63
LAI-15	6/13/2003	19.76	--	--	--	6.33	13.43	13.43
LAI-15	6/18/2003	19.76	--	--	--	6.35	13.41	13.41
LAI-15	6/27/2003	19.76	--	--	--	6.39	13.37	13.37
LAI-15	7/7/2003	19.76	--	--	--	6.75	13.01	13.01
LAI-15	7/16/2003	19.76	--	--	--	6.03	13.73	13.73
LAI-15	7/31/2003	19.76	--	--	--	6.83	12.93	12.93
LAI-15	8/5/2003	19.76	--	--	--	6.85	12.91	12.91
LAI-15	8/11/2003	19.76	--	--	--	6.93	12.83	12.83
LAI-15	8/22/2003	19.76	--	--	--	8.04	11.72	11.72
LAI-15	8/26/2003	19.76	--	--	--	7.11	12.65	12.65
LAI-15	9/2/2003	19.76	--	--	--	7.21	12.55	12.55
LAI-15	9/9/2003	19.76	--	--	--	7.23	12.53	12.53
LAI-15	9/19/2003	19.76	--	--	--	--	NM	--
LAI-15	10/14/2003	19.76	--	--	--	7.45	12.31	12.31
LAI-15	11/20/2003	19.76	--	--	--	4.11	15.65	15.65
LAI-15	12/3/2003	19.76	--	--	--	3.65	16.11	16.11
LAI-15	1/19/2004	19.76	--	--	--	3.59	16.17	16.17
LAI-15	2/24/2004	19.76	--	--	--	4.26	15.50	15.50
LAI-15	3/15/2004	19.76	--	--	--	5.19	14.57	14.57
LAI-15	4/19/2004	19.76	--	--	--	5.97	13.79	13.79
LAI-15	5/17/2004	19.76	--	--	--	6.42	13.34	13.34
LAI-15	6/22/2004	19.76	--	--	--	6.09	13.67	13.67
LAI-15	8/18/2004	19.76	--	--	--	6.93	12.83	12.83
LAI-15	9/21/2004	19.76	--	--	--	6.05	13.71	13.71
LAI-15	10/19/2004	19.76	--	--	--	5.75	14.01	14.01
LAI-15	11/23/2004	19.76	--	--	--	5.91	13.85	13.85
LAI-15	12/21/2004	19.76	--	--	--	4.28	15.48	15.48
LAI-15	1/13/2005	19.76	--	--	--	5.32	14.44	14.44
LAI-15	4/28/2005	19.76	--	--	--	4.91	14.85	14.85
LAI-15	6/1/2005	20.03	--	--	--	5.17	14.86	14.86
LAI-15	6/29/2005	20.03	--	--	--	5.67	14.36	14.36
LAI-15	7/20/2005	20.03	--	--	--	6.32	13.71	13.71
LAI-15	8/22/2005	20.03	--	--	--	6.62	13.41	13.41
LAI-15	9/12/2005	20.03	--	--	--	6.82	13.21	13.21
LAI-15	10/12/2005	20.03	--	--	--	7.08	12.95	12.95
LAI-15	11/21/2005	20.03	--	--	--	5.04	14.99	14.99
LAI-15	12/27/2005	20.03	--	--	--	3.84	16.19	16.19
LAI-15	1/30/2006	20.03	--	--	--	1.11	18.92	18.92
LAI-15	2/16/2006	20.03	--	--	--	3.52	16.51	16.51
LAI-15	3/13/2006	20.03	--	--	--	4.92	15.11	15.11
LAI-15	4/18/2006	20.03	--	--	--	5.35	14.68	14.68
LAI-15	5/12/2006	20.03	--	--	--	5.61	14.42	14.42
LAI-15	6/9/2006	20.03	--	--	--	5.32	14.71	14.71
LAI-15	7/13/2006	20.03	--	--	--	6.20	13.83	13.83
LAI-15	8/16/2006	20.03	--	--	--	6.60	13.43	13.43
LAI-15	9/19/2006	20.03	--	--	--	7.05	12.98	12.98
LAI-15	10/13/2006	20.03	--	--	--	6.80	13.23	13.23
LAI-15	11/20/2006	20.03	--	--	--	2.53	17.50	17.50
LAI-15	12/8/2006	20.03	--	--	--	3.11	16.92	16.92
LAI-15	1/19/2007	20.03	--	--	--	3.12	16.91	16.91
LAI-15	2/19/2007	20.03	--	--	--	5.10	14.93	14.93
LAI-15	3/15/2007	20.03	--	--	--	4.32	15.71	15.71
LAI-15	4/16/2007	20.03	--	--	--	4.76	15.27	15.27
LAI-15	5/14/2007	20.03	--	--	--	5.88	14.15	14.15
LAI-15	6/29/2007	20.03	--	--	--	6.44	13.59	13.59
LAI-15	7/20/2007	20.03	--	--	--	6.55	13.48	13.48
LAI-15	8/21/2007	20.03	--	--	--	6.74	13.29	13.29
LAI-15	9/10/2007	20.03	--	--	--	6.84	13.19	13.19
LAI-15	10/22/2007	20.03	--	--	--	6.03	14.00	14.00
LAI-15	11/28/2007	20.03	--	--	--	5.34	14.69	14.69
LAI-15	12/13/2007	20.03	--	--	--	3.50	16.53	16.53

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-15	1/21/2008	20.03	--	--	--	4.12	15.91	15.91
LAI-15	2/24/2008	20.03	--	--	--	5.14	14.89	14.89
LAI-15	3/24/2008	20.03	--	--	--	5.52	14.51	14.51
LAI-15	8/25/2008	20.03	--	--	--	6.62	13.41	13.41
LAI-15	2/18/2009	20.03	--	--	--	5.50	14.53	14.53
LAI-15	8/25/2009	20.03	--	--	--	6.94	13.09	13.09
LAI-15	3/22/2010	20.03	--	--	--	4.71	15.32	15.32
LAI-15	8/23/2010	20.03	--	--	--	6.36	13.67	13.67
LAI-15	2/7/2011	20.03	--	--	--	4.20	15.83	--
LAI-15	5/27/2011	20.03	--	--	Not Monitored	--	--	--
LAI-15	8/8/2011	20.03	--	--	--	6.30	13.73	--
LAI-15	11/14/2011	20.03	--	--	--	6.05	13.98	--
LAI-15	2/20/2012	20.03	--	--	--	3.88	16.15	--
LAI-15	8/22/2012	20.03	--	--	--	6.40	13.63	--
LAI-15	11/5/2012	20.03	--	--	--	4.71	15.32	--
LAI-15	1/28/2013	20.03	--	--	--	4.41	15.62	--
LAI-15	5/9/2013	20.03	--	--	--	4.79	15.24	--
LAI-15	8/19/2013	20.03	--	--	--	6.69	13.34	--
LAI-15	11/25/2013	20.03	--	--	--	4.86	15.17	--
LAI-15	2/14/2014	20.03	--	--	--	4.59	15.44	--
LAI-15	5/5/2014	20.03	--	--	--	3.56	16.47	--
LAI-15	8/19/2014	20.03	--	--	--	6.50	13.53	--
LAI-15	11/21/2014	20.03	--	--	--	4.43	15.60	--
LAI-16	1/31/2003	20.59	--	--	--	6.28	14.31	--
LAI-16	2/12/2003	20.59	--	--	--	6.65	13.94	14.31
LAI-16	2/18/2003	20.59	--	--	--	6.70	13.89	13.94
LAI-16	2/21/2003	20.59	--	--	--	6.73	13.86	13.89
LAI-16	2/24/2003	20.59	--	--	--	6.74	13.85	13.85
LAI-16	3/3/2003	20.59	--	--	--	6.86	13.73	13.73
LAI-16	3/12/2003	20.59	--	--	--	6.52	14.07	14.07
LAI-16	3/14/2003	20.59	--	--	--	6.39	14.20	14.20
LAI-16	3/26/2003	20.59	--	--	--	6.48	14.11	14.11
LAI-16	3/28/2003	20.59	--	--	--	7.46	13.13	13.13
LAI-16	4/2/2003	20.59	--	--	--	6.63	13.96	13.96
LAI-16	4/4/2003	20.59	--	--	--	6.71	13.88	13.88
LAI-16	4/8/2003	20.59	--	--	--	6.90	13.69	13.69
LAI-16	4/11/2003	20.59	--	--	--	6.75	13.84	13.84
LAI-16	4/15/2003	20.59	--	--	--	6.68	13.91	13.91
LAI-16	4/17/2003	20.59	--	--	--	6.73	13.86	13.86
LAI-16	4/22/2003	20.59	--	--	--	6.87	13.72	13.72
LAI-16	4/25/2003	20.59	--	--	--	6.99	13.60	13.60
LAI-16	5/2/2003	20.59	--	--	--	6.78	13.81	13.81
LAI-16	5/6/2003	20.59	--	--	--	7.26	13.33	13.33
LAI-16	5/9/2003	20.59	--	--	--	7.35	13.24	13.24
LAI-16	5/16/2003	20.59	--	--	--	7.60	12.99	12.99
LAI-16	5/23/2003	20.59	--	--	--	8.08	12.51	12.51
LAI-16	5/28/2003	20.59	--	--	--	7.87	12.72	12.72
LAI-16	6/13/2003	20.59	--	--	--	8.31	12.28	12.28
LAI-16	6/18/2003	20.59	--	--	--	8.45	12.14	12.14
LAI-16	6/27/2003	20.59	--	--	--	8.08	12.51	12.51
LAI-16	7/7/2003	20.59	--	--	Not Monitored	--	--	--
LAI-16	7/16/2003	20.59	--	--	--	8.00	12.59	12.59
LAI-16	7/31/2003	20.59	--	--	Dry	--	--	Dry
LAI-16	8/5/2003	20.59	--	--	Dry	--	--	Dry
LAI-16	8/11/2003	20.59	--	--	Dry	--	--	Dry
LAI-16	8/22/2003	20.59	--	--	Dry	--	--	Dry
LAI-16	8/26/2003	20.59	--	--	Dry	--	--	Dry
LAI-16	9/2/2003	20.59	--	--	Dry	--	--	Dry
LAI-16	9/9/2003	20.59	--	--	Dry	--	--	Dry
LAI-16	9/19/2003	20.59	--	--	Dry	--	--	Dry
LAI-16	10/14/2003	20.59	--	--	Dry	--	--	Dry
LAI-16	11/20/2003	20.59	--	--	--	6.95	13.64	13.64
LAI-16	12/3/2003	20.59	--	--	--	6.68	13.91	13.91
LAI-16	1/19/2004	20.59	--	--	--	6.49	14.10	14.10
LAI-16	2/24/2004	20.59	--	--	--	6.62	13.97	13.97
LAI-16	3/15/2004	20.59	--	--	--	7.02	13.57	13.57
LAI-16	4/19/2004	20.59	--	--	--	7.64	12.95	12.95
LAI-16	5/17/2004	20.59	--	--	--	8.35	12.24	12.24
LAI-16	6/22/2004	20.59	--	--	--	8.52	12.07	12.07
LAI-16	8/18/2004	20.59	--	--	Dry	--	--	Dry
LAI-16	9/21/2004	20.59	--	--	Dry	--	--	Dry
LAI-16	10/19/2004	20.59	--	--	--	9.30	11.29	11.29
LAI-16	11/23/2004	20.59	--	--	--	8.38	12.21	12.21
LAI-16	12/21/2004	20.59	--	--	--	6.87	13.72	13.72
LAI-16	1/13/2005	20.59	--	--	--	7.12	13.47	13.47
LAI-16	4/28/2005	20.59	--	--	--	6.95	13.64	13.64
LAI-16	6/1/2005	20.59	--	--	--	7.35	13.24	13.24
LAI-16	6/29/2005	20.59	--	--	--	7.95	12.64	12.64
LAI-16	7/20/2005	20.59	--	--	--	8.78	11.81	11.81
LAI-16	8/22/2005	20.59	--	--	Dry	--	--	Dry
LAI-16	9/12/2005	20.59	--	--	Dry	--	--	Dry
LAI-16	10/12/2005	20.59	--	--	Dry	--	--	Dry
LAI-16	11/21/2005	20.59	--	--	--	8.48	12.11	10.13
LAI-16	12/27/2005	20.59	--	--	--	6.71	13.88	11.13
LAI-16	1/30/2006	20.59	--	--	Dry	--	--	Dry
LAI-16	2/16/2006	20.59	--	--	--	6.45	14.14	11.13
LAI-16	3/13/2006	20.59	--	--	--	6.75	13.84	11.13
LAI-16	4/18/2006	20.59	--	--	--	7.18	13.41	13.41
LAI-16	5/12/2006	20.59	--	--	--	7.50	13.09	13.09
LAI-16	6/9/2006	20.59	--	--	--	7.62	12.97	12.97
LAI-16	7/13/2006	20.59	--	--	--	6.10	14.49	14.49
LAI-16	8/16/2006	20.59	--	--	Dry	--	--	Dry

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-16	9/19/2006	20.59			Dry			Dry
LAI-16	10/13/2006	20.59			Dry			Dry
LAI-16	11/20/2006	20.59	--	--	--	6.33	14.26	14.26
LAI-16	12/8/2006	20.59	--	--	--	6.45	14.14	14.14
LAI-16	1/19/2007	20.59	--	--	--	6.11	14.48	14.48
LAI-16	2/19/2007	20.59	--	--	--	6.67	13.92	13.92
LAI-16	3/15/2007	20.59	--	--	--	6.55	14.04	14.04
LAI-16	4/16/2007	20.59	--	--	--	6.89	13.70	13.70
LAI-16	5/14/2007	20.59	--	--	--	7.54	13.05	13.05
LAI-16	6/29/2007	20.59			Dry			Dry
LAI-16	7/20/2007	20.59			Dry			Dry
LAI-16	8/21/2007	20.59			Dry			Dry
LAI-16	9/10/2007	20.59			Dry			Dry
LAI-16	10/22/2007	20.59			Dry			Dry
LAI-16	11/28/2007	20.59	--	--	--	8.41	12.18	12.18
LAI-16	12/13/2007	20.59	--	--	--	6.65	13.94	13.94
LAI-16	1/21/2008	20.59	--	--	--	6.43	14.16	14.16
LAI-16	2/24/2008	20.59	--	--	--	6.87	13.72	13.72
LAI-16	3/24/2008	20.59	--	--	--	6.95	13.64	13.64
LAI-16	8/25/2008	20.59	--	--	--	7.12	13.47	13.47
LAI-16	2/18/2009	20.59	--	--	--	7.00	13.59	13.59
LAI-16	8/25/2009	20.59			Dry			Dry
LAI-16	3/22/2010	20.59	--	--	--	6.93	13.66	13.66
LAI-16	8/23/2010	20.59			Dry			0.00
LAI-16	2/7/2011	20.59	--	--	--	6.45	14.14	--
LAI-16	5/27/2011	20.59	--	--	--	6.99	13.60	--
LAI-16	11/14/2011	20.59	--	--	--	9.15	11.44	--
LAI-16	2/20/2012	20.59	--	--	--	6.49	14.10	--
LAI-16	8/22/2012	20.59	--	--	--	Dry	--	--
LAI-16	11/5/2012	20.59	--	--	--	9.39	11.20	--
LAI-16	1/28/2013	20.59	--	--	--	6.52	14.07	--
LAI-16	5/9/2013	20.59	--	--	--	6.48	14.11	--
LAI-16	8/19/2013	20.59			DRY			--
LAI-16	11/25/2013	20.59	--	--	--	6.95	13.64	--
LAI-16	2/14/2014	20.59	--	--	--	6.49	14.10	--
LAI-16	5/5/2014	20.59	--	--	--	6.51	14.08	--
LAI-16	8/19/2014	20.59			DRY			--
LAI-16	11/21/2014	20.59	--	--	--	6.70	13.89	--
RW-1	11/20/2002	24.60	8.25	16.35	0.95	9.20	16.11	--
RW-1	11/21/2002	24.60	8.25	16.35	1.15	9.40	16.06	16.83
RW-1	11/22/2002	24.60	8.22	16.38	1.20	9.42	16.08	16.93
RW-1	11/24/2002	24.60	8.35	16.25	1.06	9.41	15.99	16.98
RW-1	1/2/2003	24.60	5.61	18.99	0.21	5.82	18.94	19.10
RW-1	1/3/2003	24.60	5.51	19.09	0.21	5.72	19.04	19.20
RW-1	1/6/2003	24.60	5.35	19.25	0.29	5.64	19.18	19.40
RW-1	1/7/2003	24.60	5.68	18.92	0.28	5.96	18.85	19.06
RW-1	1/8/2003	24.60	5.95	18.65	0.28	6.23	18.58	18.79
RW-1	1/9/2003	24.60	6.03	18.57	0.29	6.32	18.50	18.72
RW-1	1/10/2003	24.60	6.20	18.40	0.30	6.50	18.33	18.55
RW-1	1/13/2003	24.60	6.00	18.60	0.32	6.32	18.52	18.76
RW-1	1/14/2003	24.60	5.72	18.88	0.73	6.45	18.70	19.25
RW-1	1/15/2003	24.60	5.99	18.61	0.19	6.18	18.56	18.71
RW-1	1/16/2003	24.60	6.10	18.50	0.30	6.40	18.43	18.65
RW-1	1/17/2003	24.60	6.15	18.45	0.30	6.45	18.38	18.60
RW-1	1/20/2003	24.60	6.34	18.26	0.35	6.69	18.17	18.44
RW-1	1/22/2003	24.60	5.60	19.00	0.29	5.89	18.93	19.15
RW-1	1/23/2003	24.60	5.80	18.80	0.35	6.15	18.71	18.98
RW-1	1/24/2003	24.60	5.37	19.23	0.38	5.75	19.14	19.42
RW-1	1/27/2003	24.60	4.68	19.92	0.47	5.15	19.80	20.16
RW-1	1/28/2003	24.60	4.66	19.94	0.45	5.11	19.83	20.17
RW-1	1/29/2003	24.60	4.67	19.93	0.46	5.13	19.82	20.16
RW-1	1/30/2003	24.60	4.90	19.70	0.44	5.34	19.59	19.92
RW-1	2/3/2003	24.60	5.65	18.95	0.41	6.06	18.85	19.16
RW-1	2/6/2003	24.24	6.76	17.48	0.40	7.16	17.38	17.68
RW-1	2/11/2003	24.24	7.35	16.89	0.42	7.77	16.79	17.10
RW-1	2/18/2003	24.24	--	--	--	6.55	17.69	17.69
RW-1	2/21/2003	24.24	7.90	16.34	0.93	8.83	16.11	16.81
RW-1	2/26/2003	24.24	7.70	16.54	0.81	8.51	16.34	16.95
RW-1	3/4/2003	24.24	7.11	17.13	0.63	7.74	16.97	17.45
RW-1	3/12/2003	24.24	7.30	16.94	0.46	7.76	16.83	17.17
RW-1	3/14/2003	24.24	6.85	17.39	--	7.31	16.93	16.93
RW-1	3/26/2003	24.24	6.39	17.85	0.13	6.52	17.82	17.92
RW-1	3/28/2003	24.24	7.41	16.83	0.15	7.56	16.79	16.91
RW-1	4/2/2003	24.24	7.45	16.79	0.10	7.55	16.77	16.84
RW-1	4/4/2003	24.24	7.70	16.54	0.05	7.75	16.53	16.57
RW-1	4/8/2003	24.24	7.25	16.99	0.02	7.27	16.99	17.00
RW-1	4/11/2003	24.24	7.15	17.09	0.03	7.18	17.08	17.11
RW-1	4/15/2003	24.24	6.57	17.67	0.02	6.59	17.67	17.68
RW-1	4/17/2003	24.24	7.52	16.72	0.02	7.54	16.72	16.73
RW-1	4/22/2003	24.24	7.53	16.71	0.02	7.55	16.71	16.72
RW-1	4/25/2003	24.24	7.42	16.82	0.01	7.43	16.82	16.83
RW-1	5/2/2003	24.24	8.84	15.40	0.01	8.85	15.40	15.41
RW-1	5/6/2003	24.24	--	--	--	9.02	15.22	15.22
RW-1	5/9/2003	24.24	--	--	--	9.21	15.03	15.03
RW-1	5/23/2003	24.24	--	--	--	9.26	14.98	14.98
RW-1	5/28/2003	24.24	9.35	14.89	0.01	9.36	14.89	14.90
RW-1	6/13/2003	24.24	9.52	14.72	0.49	10.01	14.60	14.97
RW-1	6/18/2003	24.24	9.22	15.02	0.91	10.13	14.79	15.48
RW-1	6/27/2003	24.24	--	--	--	9.81	14.43	14.43
RW-1	7/7/2003	24.24	10.26	13.98	0.03	10.29	13.97	14.00
RW-1	7/16/2003	24.24	10.09	14.15	0.26	10.35	14.09	14.28
RW-1	7/31/2003	24.24	10.34	13.90	0.01	10.35	13.90	13.91

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
RW-1	8/5/2003	24.24	10.32	13.92	0.08	10.40	13.90	13.96
RW-1	8/11/2003	24.24	11.34	12.90	0.01	11.35	12.90	12.91
RW-1	8/22/2003	24.24	11.34	12.90	0.01	11.35	12.90	12.91
RW-1	8/26/2003	24.24	--	--	--	10.36	13.88	13.88
RW-1	9/2/2003	24.24	--	--	--	10.36	13.88	13.88
RW-1	9/9/2003	24.24	10.33	13.91	0.05	10.38	13.90	13.94
RW-1	9/19/2003	24.24	10.33	13.91	0.03	10.36	13.90	13.93
RW-1	10/14/2003	24.24	--	--	--	10.30	13.94	13.94
RW-1	11/20/2003	24.24	--	--	--	5.52	18.72	18.72
RW-1	12/3/2003	24.24	--	--	--	5.44	18.80	18.80
RW-1	1/19/2004	24.24	--	--	--	5.57	18.67	18.67
RW-1	2/24/2004	24.24	--	--	--	7.45	16.79	16.79
RW-1	3/15/2004	24.24	--	--	--	8.87	15.37	15.37
RW-1	4/19/2004	24.24	--	--	--	9.56	14.68	14.68
RW-1	5/17/2004	24.24	--	--	--	10.14	14.10	14.10
RW-1	6/22/2004	24.24	--	--	--	9.91	14.33	14.33
RW-1	8/18/2004	24.24	10.30	13.94	0.01	10.31	13.94	13.95
RW-1	9/21/2004	24.24	--	--	--	10.05	14.19	14.19
RW-1	10/19/2004	24.24	--	--	--	9.73	14.51	14.51
RW-1	11/23/2004	24.24	--	--	--	9.50	14.74	14.74
RW-1	12/21/2004	24.24	--	--	--	6.86	17.38	17.38
RW-1	1/13/2005	24.24	--	--	--	8.32	15.92	15.92
RW-1	4/28/2005	24.24	--	--	--	7.15	17.09	17.09
RW-1	6/1/2005	24.24	--	--	--	7.60	16.64	16.64
RW-1	6/29/2005	24.24	--	--	Not Monitored	--	--	NM
RW-1	7/20/2005	24.24	--	--	Not Monitored	--	--	NM
RW-1	8/22/2005	24.24	--	--	--	10.35	13.89	10.97
RW-1	9/12/2005	24.24	--	--	--	10.36	13.88	13.88
RW-1	10/12/2005	24.24	--	--	--	10.40	13.84	13.84
RW-1	11/21/2005	24.24	--	--	--	9.09	15.15	15.15
RW-1	12/27/2005	24.24	--	--	--	5.72	18.52	18.52
RW-1	1/30/2006	24.24	--	--	--	4.34	19.90	19.90
RW-1	2/16/2006	24.24	--	--	--	5.86	18.38	18.38
RW-1	3/13/2006	24.24	--	--	--	7.51	16.73	16.73
RW-1	4/18/2006	24.24	--	--	--	7.05	17.19	17.19
RW-1	5/12/2006	24.24	--	--	--	8.53	15.71	15.71
RW-1	6/9/2006	24.24	--	--	--	7.70	16.54	16.54
RW-1	7/13/2006	24.24	--	--	--	9.44	14.80	14.80
RW-1	8/16/2006	24.24	--	--	--	10.35	13.89	13.89
RW-1	9/19/2006	24.24	--	--	--	10.42	13.82	13.82
RW-1	10/13/2006	24.24	--	--	--	10.45	13.79	13.79
RW-1	11/20/2006	24.24	--	--	--	5.15	19.09	19.09
RW-1	12/8/2006	24.24	--	--	--	5.51	18.73	18.73
RW-1	1/19/2007	24.24	--	--	--	5.02	19.22	19.22
RW-1	2/19/2007	24.24	--	--	--	6.70	17.54	17.54
RW-1	3/15/2007	24.24	--	--	--	5.51	18.73	18.73
RW-1	4/16/2007	24.24	--	--	--	7.32	16.92	16.92
RW-1	5/14/2007	24.24	--	--	--	9.05	15.19	15.19
RW-1	6/29/2007	24.24	--	--	--	10.21	14.03	14.03
RW-1	7/20/2007	24.24	--	--	--	Dry	NM	Dry
RW-1	8/21/2007	24.24	--	--	--	10.35	13.89	13.89
RW-1	9/10/2007	24.24	--	--	--	Dry	NM	Dry
RW-1	10/22/2007	24.24	--	--	--	7.38	16.86	16.86
RW-1	11/28/2007	24.24	--	--	--	7.98	16.26	16.26
RW-1	12/13/2007	24.24	--	--	--	6.57	17.67	17.67
RW-1	1/21/2008	24.24	--	--	--	5.97	18.27	18.27
RW-1	2/24/2008	24.24	--	--	--	8.78	15.46	15.46
RW-1	3/24/2008	24.24	--	--	--	5.95	18.29	18.29
RW-1	8/25/2008	24.24	--	--	--	6.02	18.22	18.22
RW-1	2/18/2009	24.24	--	--	--	9.13	15.11	15.11
RW-1	8/25/2009	24.24	--	--	--	10.39	13.85	13.85
RW-1	3/22/2010	24.24	--	--	--	7.96	16.28	16.28
RW-1	8/23/2010	24.24	--	--	--	10.37	13.87	13.87
RW-1	2/7/2011	24.24	--	--	--	5.69	18.55	--
RW-1	5/27/2011	24.24	--	--	--	7.56	16.68	--
RW-1	8/8/2011	24.24	--	--	Dry	--	--	--
RW-1	11/14/2011	24.24	--	--	--	9.45	14.79	--
RW-1	2/20/2012	24.24	--	--	--	5.53	18.71	--
RW-1	8/22/2012	24.24	--	--	--	10.23	14.01	--
RW-1	11/5/2012	24.24	--	--	--	5.52	18.72	--
RW-1	1/28/2013	24.24	--	--	--	6.16	18.08	--
RW-1	5/9/2013	24.24	--	--	--	8.41	15.83	--
RW-1	8/19/2013	24.24	--	--	--	10.37	13.87	--
RW-1	11/25/2013	24.24	--	--	--	7.47	16.77	--
RW-1	2/14/2014	24.24	--	--	--	4.36	19.88	--
RW-1	5/5/2014	24.24	--	--	--	3.96	20.28	--
RW-1	8/19/2014	24.24	--	--	--	10.43	13.81	--
RW-1	11/21/2014	24.24	--	--	--	5.41	18.83	--
RW-2	11/20/2002	24.58	8.05	16.53	1.35	9.40	16.19	--
RW-2	11/21/2002	24.58	8.00	16.58	1.40	9.40	16.23	17.21
RW-2	11/22/2002	24.58	8.00	16.58	1.41	9.41	16.23	17.28
RW-2	11/24/2002	24.58	8.21	16.37	1.49	9.70	16.00	17.29
RW-2	1/2/2003	24.58	6.11	18.47	2.27	8.38	17.90	19.61
RW-2	1/6/2003	24.58	5.40	19.18	2.78	8.18	18.49	20.57
RW-2	1/7/2003	24.58	6.41	18.17	0.54	6.95	18.04	18.44
RW-2	1/8/2003	24.58	7.67	16.91	0.01	7.68	16.91	16.92
RW-2	1/9/2003	24.58	8.72	15.86	0.01	8.73	15.86	15.87
RW-2	1/10/2003	24.58	6.38	18.20	0.54	6.92	18.07	18.47
RW-2	1/13/2003	24.58	8.42	16.16	0.10	8.52	16.14	16.21
RW-2	1/14/2003	24.58	6.17	18.41	1.32	7.49	18.08	19.07
RW-2	1/15/2003	24.58	5.95	18.63	0.85	6.80	18.42	19.06
RW-2	1/16/2003	24.58	6.51	18.07	1.00	7.51	17.82	18.57

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
RW-2	1/17/2003	24.58	6.40	18.18	1.12	7.52	17.90	18.74
RW-2	1/20/2003	24.58	6.35	18.23	1.59	7.94	17.83	19.03
RW-2	1/22/2003	24.58	5.86	18.72	2.74	8.60	18.04	20.09
RW-2	1/23/2003	24.58	5.92	18.66	3.23	9.15	17.85	20.28
RW-2	1/24/2003	24.58	5.37	19.21	0.62	5.99	19.06	19.52
RW-2	1/27/2003	24.58	4.69	19.89	0.53	5.22	19.76	20.16
RW-2	1/28/2003	24.58	4.83	19.75	3.71	8.54	18.82	21.61
RW-2	1/29/2003	24.58	4.82	19.76	3.66	8.48	18.85	21.59
RW-2	1/30/2003	24.58	4.95	19.63	0.94	5.89	19.40	20.10
RW-2	2/3/2003	24.58	5.29	19.29	3.82	9.11	18.34	21.20
RW-2	2/6/2003	24.19	6.16	18.03	3.48	9.64	17.16	19.77
RW-2	2/11/2003	24.19	6.61	17.58	3.17	9.78	16.79	19.17
RW-2	2/18/2003	24.19	7.46	16.73	2.72	10.18	16.05	18.09
RW-2	2/21/2003	24.19	7.40	16.79	2.76	10.16	16.10	18.17
RW-2	2/26/2003	24.19	7.66	16.53	0.69	8.35	16.36	16.88
RW-2	3/4/2003	24.19	7.15	17.04	1.42	8.57	16.69	17.75
RW-2	3/12/2003	24.19	7.60	16.59	0.02	7.62	16.59	16.60
RW-2	3/14/2003	24.19	7.38	16.81	1.61	8.99	16.41	17.62
RW-2	3/26/2003	24.19	6.85	17.34	0.70	7.55	17.17	17.69
RW-2	3/28/2003	24.19	7.48	16.71	0.87	8.35	16.49	17.15
RW-2	4/2/2003	24.19	7.55	16.64	0.86	8.41	16.43	17.07
RW-2	4/4/2003	24.19	7.95	16.24	0.56	8.51	16.10	16.52
RW-2	4/8/2003	24.19	8.02	16.17	0.03	8.05	16.16	16.19
RW-2	4/11/2003	24.19	8.22	15.97	0.01	8.23	15.97	15.98
RW-2	4/15/2003	24.19	--	--	--	7.68	16.51	16.51
RW-2	4/17/2003	24.19	8.34	15.85	0.06	8.40	15.84	15.88
RW-2	4/22/2003	24.19	8.36	15.83	0.16	8.52	15.79	15.91
RW-2	4/25/2003	24.19	8.30	15.89	0.11	8.41	15.86	15.95
RW-2	5/2/2003	24.19	8.75	15.44	0.31	9.06	15.36	15.60
RW-2	5/6/2003	24.19	8.82	15.37	0.61	9.43	15.22	15.68
RW-2	5/9/2003	24.19	9.16	15.03	0.62	9.78	14.88	15.34
RW-2	5/23/2003	24.19	9.15	15.04	1.42	10.57	14.69	15.75
RW-2	5/28/2003	24.19	8.95	15.24	1.49	10.44	14.87	15.99
RW-2	6/13/2003	24.19	9.24	14.95	1.35	10.59	14.61	15.63
RW-2	6/18/2003	24.19	9.20	14.99	1.31	10.51	14.66	15.65
RW-2	6/27/2003	24.19	9.23	14.96	1.26	10.49	14.65	15.59
RW-2	7/7/2003	24.19	10.01	14.18	0.42	10.43	14.08	14.39
RW-2	7/16/2003	24.19	9.83	14.36	0.71	10.54	14.18	14.72
RW-2	7/31/2003	24.19	10.31	13.88	0.15	10.46	13.84	13.96
RW-2	8/5/2003	24.19	10.28	13.91	0.22	10.50	13.86	14.02
RW-2	8/11/2003	24.19	--	--	--	11.38	12.81	12.81
RW-2	8/22/2003	24.19	--	--	--	11.38	12.81	12.81
RW-2	8/26/2003	24.19	--	--	--	11.26	12.93	12.93
RW-2	9/2/2003	24.19	--	--	--	10.40	13.79	13.79
RW-2	9/9/2003	24.19	10.34	13.85	0.06	10.40	13.84	13.88
RW-2	9/19/2003	24.19	--	--	--	10.70	13.49	13.49
RW-2	10/14/2003	24.19	--	--	--	10.38	13.81	13.81
RW-2	11/20/2003	24.19	--	--	--	7.66	16.53	16.53
RW-2	12/3/2003	24.19	--	--	--	6.65	17.54	17.54
RW-2	1/19/2004	24.19	--	--	--	7.13	17.06	17.06
RW-2	2/24/2004	24.19	--	--	--	7.92	16.27	16.27
RW-2	3/15/2004	24.19	--	--	Not Monitored	--	--	--
RW-2	4/19/2004	24.19	--	NA	--	10.01	14.18	--
RW-2	5/17/2004	24.19	--	--	Not Monitored	--	--	--
RW-2	6/22/2004	24.19	--	NA	--	10.08	14.11	14.11
RW-2	8/18/2004	24.19	--	NA	--	10.44	13.75	13.75
RW-2	9/21/2004	24.19	9.95	14.24	0.18	10.13	14.20	14.33
RW-2	10/19/2004	24.19	9.04	15.15	0.08	9.12	15.13	15.19
RW-2	11/23/2004	24.19	7.82	16.37	0.50	8.32	16.25	16.62
RW-2	12/21/2004	24.19	--	--	--	6.95	17.24	17.24
RW-2	1/13/2005	24.19	--	--	--	8.39	15.80	15.80
RW-2	4/28/2005	24.19	--	--	--	8.20	15.99	15.99
RW-2	6/1/2005	24.19	--	--	--	9.62	14.57	14.57
RW-2	6/29/2005	24.19	--	--	--	10.41	13.78	13.78
RW-2	7/20/2005	24.19	--	--	--	10.90	13.29	13.29
RW-2	8/22/2005	24.19	10.94	13.25	0.04	10.98	13.24	13.27
RW-2	5/27/2011	24.19	--	--	Not Monitored	--	--	--
RWx-2	9/12/2005	26.20	--	--	--	12.55	13.65	13.65
RWx-2	10/12/2005	26.20	13.81	12.39	0.61	14.42	12.24	12.70
RWx-2	11/21/2005	26.20	11.20	15.00	1.13	12.33	14.72	15.57
RWx-2	12/27/2005	26.20	--	--	--	9.50	16.70	16.70
RWx-2	1/30/2006	26.20	--	--	--	6.55	19.65	19.65
RWx-2	2/16/2006	26.20	--	--	--	9.00	17.20	17.20
RWx-2	3/13/2006	26.20	--	--	--	9.85	16.35	16.35
RWx-2	4/18/2006	26.20	--	--	--	10.16	16.04	16.04
RWx-2	5/12/2006	26.20	--	--	--	10.56	15.64	15.64
RWx-2	6/9/2006	26.20	--	--	--	10.13	16.07	16.07
RWx-2	7/13/2006	26.20	--	--	--	12.61	13.59	13.59
RWx-2	8/16/2006	26.20	12.28	13.92	0.62	12.90	13.77	14.23
RWx-2	9/19/2006	26.20	--	--	--	12.95	13.25	13.25
RWx-2	10/13/2006	26.20	12.66	13.54	0.97	13.63	13.30	14.03
RWx-2	11/20/2006	26.20	7.13	19.07	0.37	7.50	18.98	19.26
RWx-2	12/8/2006	26.20	7.83	18.37	0.34	8.17	18.29	18.54
RWx-2	1/19/2007	26.20	7.06	19.14	0.25	7.31	19.08	19.27
RWx-2	2/19/2007	26.20	9.95	16.25	0.30	10.25	16.18	16.40
RWx-2	3/15/2007	26.20	8.50	17.70	0.04	8.54	17.69	17.72
RWx-2	4/16/2007	26.20	--	--	--	9.57	16.63	16.63
RWx-2	5/14/2007	26.20	11.12	15.08	0.00	11.12	15.08	15.08
RWx-2	6/29/2007	26.20	--	--	--	12.04	14.16	14.16
RWx-2	7/20/2007	26.20	--	--	--	12.51	13.69	13.69
RWx-2	8/21/2007	26.20	--	--	--	13.80	12.40	12.40
RWx-2	9/10/2007	26.20	--	--	--	13.84	12.36	12.36

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
RWx-2	10/22/2007	26.20	--	--	--	12.33	13.87	13.87
RWx-2	11/28/2007	26.20	9.80	16.40	1.00	10.80	16.15	16.90
RWx-2	12/13/2007	26.20	--	--	--	10.56	15.64	15.64
RWx-2	1/21/2008	26.20	10.41	15.79	0.09	10.50	15.77	15.84
RWx-2	2/24/2008	26.20	--	--	--	11.17	15.03	15.03
RWx-2	3/24/2008	26.20	--	--	--	11.10	15.10	15.10
RWx-2	8/25/2008	26.20	12.48	13.72	0.02	12.50	13.72	13.73
RWx-2	2/18/2009	26.20	--	--	--	11.15	15.05	15.05
RWx-2	8/25/2009	26.20	--	--	--	13.81	12.39	12.39
RWx-2	3/22/2010	26.20	--	--	--	9.40	16.80	16.80
RWx-2	8/23/2010	26.20	--	--	--	10.60	15.60	15.60
RWx-2	2/7/2011	26.20	--	--	--	9.21	16.99	--
RWx-2	5/27/2011	26.20	--	--	Not Monitored	--	--	--
RWx-2	11/14/2016	26.20	---	---	---	6.32	19.88	--
RWx-2	11/18/2016	26.20	---	---	---	---	---	13.98
RWx-2	2/17/2017	26.20	6.17	20.03	0.01	6.18	20.03	14.36
RWx-2	5/26/2017	26.20	---	---	---	8.29	17.91	14.49
RWx-2	9/26/2017	26.20	---	---	---	13.84	12.36	--
RWx-2	9/28/2017	---	---	---	---	---	---	--
RWx-2	12/14/2017	26.20	---	---	---	5.78	20.42	--
RWx-2	2/26/2018	26.20	---	---	---	6.82	19.38	--
RWx-2	6/11/2018	26.20	---	---	---	10.49	15.71	--
RWx-2	6/27/2018	26.20	---	---	---	11.09	15.11	--
RWx-2	8/29/2018	26.20	---	---	---	14.19	12.01	--
RW-3	11/20/2002	22.03	8.45	13.58	0.80	9.25	13.38	--
RW-3	11/21/2002	22.03	8.27	13.76	1.20	9.47	13.46	--
RW-3	11/22/2002	22.03	8.18	13.85	1.28	9.46	13.53	--
RW-3	11/24/2002	22.03	7.94	14.09	1.68	9.62	13.67	14.93
RW-3	1/2/2003	22.03	6.52	15.51	0.04	6.56	15.50	15.53
RW-3	1/3/2003	22.03	6.38	15.65	0.23	6.61	15.59	15.77
RW-3	1/6/2003	22.03	5.92	16.11	0.03	5.95	16.10	16.13
RW-3	1/7/2003	22.03	5.81	16.22	0.04	5.85	16.21	16.24
RW-3	1/8/2003	22.03	5.74	16.29	0.05	5.79	16.28	16.32
RW-3	1/9/2003	22.03	5.78	16.25	0.05	5.83	16.24	16.28
RW-3	1/10/2003	22.03	5.88	16.15	0.05	5.93	16.14	16.18
RW-3	1/13/2003	22.03	6.02	16.01	0.08	6.10	15.99	16.05
RW-3	1/14/2003	22.03	5.97	16.06	0.09	6.06	16.04	16.11
RW-3	1/15/2003	22.03	5.87	16.16	0.12	5.99	16.13	16.22
RW-3	1/16/2003	22.03	5.89	16.14	0.09	5.98	16.12	16.19
RW-3	1/17/2003	22.03	5.85	16.18	0.07	5.92	16.16	16.22
RW-3	1/20/2003	22.03	5.98	16.05	0.13	6.11	16.02	16.12
RW-3	1/22/2003	22.03	5.91	16.12	0.09	6.00	16.10	16.17
RW-3	1/23/2003	22.03	6.20	15.83	0.49	6.69	15.71	16.08
RW-3	1/24/2003	22.03	6.02	16.01	0.24	6.26	15.95	16.13
RW-3	1/27/2003	22.03	5.57	16.46	0.08	5.65	16.44	16.50
RW-3	1/28/2003	22.03	5.55	16.48	0.07	5.62	16.46	16.52
RW-3	1/29/2003	22.03	5.44	16.59	0.06	5.50	16.58	16.62
RW-3	1/30/2003	22.03	5.56	16.47	0.06	5.62	16.46	16.50
RW-3	2/3/2003	22.03	5.75	16.28	0.10	5.85	16.26	16.33
RW-3	2/6/2003	22.85	6.44	16.41	0.12	6.56	16.38	16.47
RW-3	2/11/2003	22.85	6.81	16.04	0.32	7.13	15.96	16.20
RW-3	2/18/2003	22.85	7.29	15.56	0.88	8.17	15.34	16.00
RW-3	2/21/2003	22.85	7.19	15.66	0.75	7.94	15.47	16.04
RW-3	2/26/2003	22.85	6.73	16.12	0.31	7.04	16.04	16.28
RW-3	3/4/2003	22.85	6.83	16.02	0.34	7.17	15.94	16.19
RW-3	3/12/2003	22.85	7.38	15.47	0.06	7.44	15.46	15.50
RW-3	3/14/2003	22.85	7.21	15.64	0.07	7.28	15.62	15.68
RW-3	3/26/2003	22.85	6.52	16.33	0.01	6.53	16.33	16.34
RW-3	3/28/2003	22.85	--	--	--	7.09	15.76	15.76
RW-3	4/2/2003	22.85	--	--	--	7.05	15.80	15.80
RW-3	4/4/2003	22.85	--	--	--	7.26	15.59	15.59
RW-3	4/8/2003	22.85	--	--	--	6.90	15.95	15.95
RW-3	4/11/2003	22.85	--	--	--	7.51	15.34	15.34
RW-3	4/15/2003	22.85	--	--	--	6.67	16.18	16.18
RW-3	4/17/2003	22.85	--	--	--	7.61	15.24	15.24
RW-3	4/22/2003	22.85	--	--	--	7.61	15.24	15.24
RW-3	4/25/2003	22.85	--	--	--	7.22	15.63	15.63
RW-3	5/2/2003	22.85	8.21	14.64	0.25	8.46	14.58	14.77
RW-3	5/6/2003	22.85	8.51	14.34	0.24	8.75	14.28	14.46
RW-3	5/9/2003	22.85	8.71	14.14	0.12	8.83	14.11	14.20
RW-3	5/23/2003	22.85	9.74	13.11	0.03	9.77	13.10	13.13
RW-3	5/28/2003	22.85	8.75	14.10	0.01	8.76	14.10	14.11
RW-3	6/13/2003	22.85	9.19	13.66	0.02	9.21	13.66	13.67
RW-3	6/18/2003	22.85	9.16	13.69	0.06	9.22	13.68	13.72
RW-3	6/27/2003	22.85	--	--	--	9.50	13.35	13.35
RW-3	7/7/2003	22.85	10.05	12.80	0.06	10.11	12.79	12.83
RW-3	7/16/2003	22.85	10.02	12.83	0.01	10.03	12.83	12.84
RW-3	7/31/2003	22.85	10.18	12.67	0.11	10.29	12.64	12.73
RW-3	8/5/2003	22.85	--	--	--	Dry	NM	Dry
RW-3	8/11/2003	22.85	11.00	11.85	0.30	11.30	11.78	12.00
RW-3	8/22/2003	22.85	10.98	11.87	0.29	11.27	11.80	12.02
RW-3	8/26/2003	22.85	--	--	--	11.14	11.71	11.71
RW-3	9/2/2003	22.85	--	--	--	10.28	12.57	12.57
RW-3	9/9/2003	22.85	--	--	--	10.29	12.56	12.56
RW-3	9/19/2003	22.85	--	--	--	10.29	12.56	12.56
RW-3	10/14/2003	22.85	--	--	--	10.30	12.55	12.55
RW-3	11/20/2003	22.85	7.16	15.69	1.29	8.45	15.37	16.34
RW-3	12/3/2003	22.85	6.72	16.13	0.05	6.77	16.12	16.16
RW-3	1/19/2004	22.85	--	--	--	6.26	16.59	16.59
RW-3	2/24/2004	22.85	--	--	--	6.72	16.13	16.13
RW-3	3/15/2004	22.85	--	--	--	7.78	15.07	15.07
RW-3	4/19/2004	22.85	--	--	--	8.71	14.14	14.14

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
RW-3	5/17/2004	22.85	9.73	13.12	0.01	9.74	13.12	13.13
RW-3	6/22/2004	22.85	9.36	13.49	0.02	9.38	13.49	13.50
RW-3	8/18/2004	22.85	--	--	--	10.26	12.59	12.59
RW-3	9/21/2004	22.85	--	--	--	10.00	12.85	12.85
RW-3	10/19/2004	22.85	--	--	--	8.21	14.64	14.64
RW-3	11/23/2004	22.85	--	--	--	9.18	13.67	13.67
RW-3	12/21/2004	22.85	--	--	--	6.71	16.14	16.14
RW-3	1/13/2005	22.85	--	--	--	7.73	15.12	15.12
RW-3	4/28/2005	22.85	--	--	--	6.78	16.07	16.07
RW-3	6/1/2005	22.85	--	--	--	7.10	15.75	15.75
RW-3	6/29/2005	22.85	--	--	--	8.72	14.13	14.13
RW-3	7/20/2005	22.85	--	--	--	9.20	13.65	13.65
RW-3	8/22/2005	22.85	--	--	--	9.50	13.35	13.35
RW-3	9/12/2005	22.85	--	--	--	9.28	13.57	13.57
RW-3	10/12/2005	22.85	--	--	--	9.29	13.56	13.56
RW-3	11/21/2005	22.85	--	--	--	7.25	15.60	15.60
RW-3	12/27/2005	22.85	--	--	--	4.12	18.73	18.73
RW-3	1/30/2006	22.85	--	--	--	2.41	20.44	20.44
RW-3	2/16/2006	22.85	--	--	--	4.69	18.16	18.16
RW-3	3/13/2006	22.85	--	--	--	5.89	16.96	16.96
RW-3	4/18/2006	22.85	--	--	--	6.02	16.83	16.83
RW-3	5/12/2006	22.85	--	--	--	6.74	16.11	16.11
RW-3	6/9/2006	22.85	--	--	--	6.28	16.57	16.57
RW-3	7/13/2006	22.85	--	--	--	7.56	15.29	15.29
RW-3	8/16/2006	22.85	--	--	--	8.75	14.10	14.10
RW-3	9/19/2006	22.85	--	--	--	9.30	13.55	13.55
RW-3	10/13/2006	22.85	--	--	--	9.13	13.72	13.72
RW-3	11/20/2006	22.85	--	--	--	3.63	19.22	19.22
RW-3	12/8/2006	22.85	--	--	--	4.01	18.84	18.84
RW-3	1/19/2007	22.85	--	--	--	3.48	19.37	19.37
RW-3	2/19/2007	22.85	--	--	--	6.21	16.64	16.64
RW-3	3/15/2007	22.85	--	--	--	4.97	17.88	17.88
RW-3	4/16/2007	22.85	--	--	--	5.81	17.04	17.04
RW-3	5/14/2007	22.85	--	--	--	7.30	15.55	15.55
RW-3	6/29/2007	22.85	--	--	--	8.57	14.28	14.28
RW-3	7/20/2007	22.85	--	--	--	9.05	13.80	13.80
RW-3	8/21/2007	22.85	--	--	--	9.30	13.55	13.55
RW-3	9/10/2007	22.85	--	--	--	9.29	13.56	13.56
RW-3	10/22/2007	22.85	--	--	--	8.02	14.83	14.83
RW-3	11/28/2007	22.85	--	--	--	7.51	15.34	15.34
RW-3	12/13/2007	22.85	--	--	--	6.82	16.03	16.03
RW-3	1/21/2008	22.85	--	--	--	6.29	16.56	16.56
RW-3	2/24/2008	22.85	--	--	--	7.00	15.85	15.85
RW-3	3/24/2008	22.85	--	--	--	6.68	16.17	16.17
RW-3	8/25/2008	22.85	--	--	--	8.15	14.70	14.70
RW-3	2/18/2009	22.85	--	--	--	7.24	15.61	15.61
RW-3	8/25/2009	22.85	--	--	--	9.33	13.52	13.52
RW-3	3/22/2010	22.85	--	--	--	6.24	16.61	16.61
RW-3	8/23/2010	22.85	--	--	--	8.85	14.00	14.00
RW-3	2/7/2011	22.85	--	--	--	5.16	17.69	--
RW-3	5/27/2011	22.85	--	--	--	6.38	16.47	--
RW-3	8/8/2011	22.85	--	--	--	8.97	13.88	--
RW-3	11/14/2011	22.85	--	--	--	8.10	14.75	--
RW-3	2/20/2012	22.85	--	--	--	4.77	18.08	--
RW-3	8/22/2012	22.85	--	--	--	8.58	14.27	--
RW-3	11/5/2012	22.85	--	--	--	5.12	17.73	--
RW-3	1/28/2013	22.85	--	--	--	4.98	17.87	--
RW-3	5/9/2013	22.85	--	--	--	6.83	16.02	--
RW-3	8/19/2013	22.85	--	--	--	9.31	13.54	--
RW-3	11/25/2013	22.85	--	--	--	6.85	16.00	--
RW-3	2/14/2014	22.85	--	--	--	4.64	18.21	--
RW-3	5/5/2014	22.85	--	--	--	4.14	18.71	--
RW-3	8/19/2014	22.85	--	--	--	9.31	13.54	--
RW-3	11/21/2014	22.85	--	--	--	6.69	16.16	--
RW-4	11/20/2002	23.02	7.50	15.52	2.64	10.14	14.86	--
RW-4	11/21/2002	23.02	7.50	15.52	2.64	10.14	14.86	16.84
RW-4	11/22/2002	23.02	8.37	14.65	0.77	9.14	14.46	16.84
RW-4	11/24/2002	23.02	7.57	15.45	2.52	10.09	14.82	15.04
RW-4	1/3/2003	23.02	6.31	16.71	0.50	6.81	16.59	16.96
RW-4	1/6/2003	23.02	6.02	17.00	0.04	6.06	16.99	17.02
RW-4	1/7/2003	23.02	5.74	17.28	0.18	5.92	17.24	17.37
RW-4	1/8/2003	23.02	5.67	17.35	0.14	5.81	17.32	17.42
RW-4	1/9/2003	23.02	5.67	17.35	0.19	5.86	17.30	17.45
RW-4	1/10/2003	23.02	5.76	17.26	0.25	6.01	17.20	17.39
RW-4	1/13/2003	23.02	5.80	17.22	0.35	6.15	17.13	17.40
RW-4	1/14/2003	23.02	5.85	17.17	0.29	6.14	17.10	17.32
RW-4	1/15/2003	23.02	5.05	17.97	1.80	6.85	17.52	18.87
RW-4	1/16/2003	23.02	5.78	17.24	0.27	6.05	17.17	17.38
RW-4	1/17/2003	23.02	5.72	17.30	0.27	5.99	17.23	17.44
RW-4	1/20/2003	23.02	5.84	17.18	0.30	6.14	17.11	17.33
RW-4	1/22/2003	23.02	5.82	17.20	0.34	6.16	17.12	17.37
RW-4	1/23/2003	23.02	6.12	16.90	0.58	6.70	16.76	17.19
RW-4	1/24/2003	23.02	5.97	17.05	0.38	6.35	16.96	17.24
RW-4	1/27/2003	23.02	5.51	17.51	0.13	5.64	17.48	17.58
RW-4	1/28/2003	23.02	5.50	17.52	0.10	5.60	17.50	17.57
RW-4	1/29/2003	23.02	5.36	17.66	0.07	5.43	17.64	17.70
RW-4	1/30/2003	23.02	5.45	17.57	0.13	5.58	17.54	17.64
RW-4	2/3/2003	23.02	5.66	17.36	0.21	5.87	17.31	17.47
RW-4	2/6/2003	23.78	6.35	17.43	0.28	6.63	17.36	17.57
RW-4	2/11/2003	23.78	6.75	17.03	0.39	7.14	16.93	17.23
RW-4	2/18/2003	23.78	7.22	16.56	1.07	8.29	16.29	17.10
RW-4	2/21/2003	23.78	7.10	16.68	0.97	8.07	16.44	17.17

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
RW-4	2/26/2003	23.78	6.74	17.04	0.84	7.58	16.83	17.46
RW-4	3/4/2003	23.78	7.08	16.70	0.14	7.22	16.67	16.77
RW-4	3/12/2003	23.78	7.34	16.44	0.41	7.75	16.34	16.65
RW-4	3/14/2003	23.78	7.20	16.58	0.64	7.84	16.42	16.90
RW-4	3/26/2003	23.78	6.61	17.17	0.40	7.01	17.07	17.37
RW-4	3/28/2003	23.78	7.15	16.63	0.47	7.62	16.51	16.87
RW-4	4/2/2003	23.78	7.21	16.57	0.24	7.45	16.51	16.69
RW-4	4/4/2003	23.78	7.52	16.26	0.15	7.67	16.22	16.34
RW-4	4/8/2003	23.78	--	--	--	7.26	16.52	16.52
RW-4	4/11/2003	23.78	7.72	16.06	0.03	7.75	16.05	16.08
RW-4	4/15/2003	23.78	7.14	16.64	0.06	7.20	16.63	16.67
RW-4	4/17/2003	23.78	7.82	15.96	0.08	7.90	15.94	16.00
RW-4	4/22/2003	23.78	7.87	15.91	0.08	7.95	15.89	15.95
RW-4	4/25/2003	23.78	7.91	15.87	0.11	8.02	15.84	15.93
RW-4	5/2/2003	23.78	8.32	15.46	0.13	8.45	15.43	15.53
RW-4	5/6/2003	23.78	8.50	15.28	0.31	8.81	15.20	15.44
RW-4	5/9/2003	23.78	8.72	15.06	0.36	9.08	14.97	15.24
RW-4	5/23/2003	23.78	8.92	14.86	1.11	10.03	14.58	15.42
RW-4	5/28/2003	23.78	8.80	14.98	0.02	8.82	14.98	14.99
RW-4	6/13/2003	23.78	8.90	14.88	1.72	10.62	14.45	15.74
RW-4	6/18/2003	23.78	8.85	14.93	1.96	10.81	14.44	15.91
RW-4	6/27/2003	23.78	9.40	14.38	1.42	10.82	14.03	15.09
RW-4	7/7/2003	23.78	9.54	14.24	1.27	10.81	13.92	14.88
RW-4	7/16/2003	23.78	9.41	14.37	1.40	10.81	14.02	15.07
RW-4	7/31/2003	23.78	9.95	13.83	0.85	10.80	13.62	14.26
RW-4	8/5/2003	23.78	9.82	13.96	0.98	10.80	13.72	14.45
RW-4	8/11/2003	23.78	10.84	12.94	0.94	11.78	12.71	13.41
RW-4	8/22/2003	23.78	10.87	12.91	0.92	11.79	12.68	13.37
RW-4	8/26/2003	23.78	10.36	13.42	0.44	10.80	13.31	13.64
RW-4	9/2/2003	23.78	10.22	13.56	0.58	10.80	13.42	13.85
RW-4	9/9/2003	23.78	--	--	--	10.80	12.98	12.98
RW-4	9/19/2003	23.78	--	--	--	10.81	12.97	12.97
RW-4	10/14/2003	23.78	--	--	--	10.80	12.98	12.98
RW-4	11/20/2003	23.78	7.96	15.82	1.54	9.50	15.44	16.59
RW-4	12/3/2003	23.78	6.75	17.03	1.03	7.78	16.77	17.55
RW-4	1/19/2004	23.78	6.18	17.60	0.06	6.24	17.59	17.63
RW-4	2/24/2004	23.78	6.97	16.81	0.06	7.03	16.80	16.84
RW-4	3/15/2004	23.78	--	--	--	8.10	15.68	15.68
RW-4	4/19/2004	23.78	--	--	--	8.71	15.07	15.07
RW-4	5/17/2004	23.78	--	--	--	9.73	14.05	14.05
RW-4	6/22/2004	23.78	--	--	--	9.57	14.21	14.21
RW-4	8/18/2004	23.78	10.35	13.43	0.42	10.77	13.33	13.64
RW-4	9/21/2004	23.78	9.53	14.25	0.19	9.72	14.20	14.35
RW-4	10/19/2004	23.78	8.63	15.15	0.39	9.02	15.05	15.35
RW-4	11/23/2004	23.78	8.94	14.84	0.05	8.99	14.83	14.87
RW-4	12/21/2004	23.78	6.68	17.10	0.08	6.76	17.08	17.14
RW-4	1/13/2005	23.78	--	--	--	7.74	16.04	16.04
RW-4	4/28/2005	23.78	--	--	--	6.77	17.01	17.01
RW-4	6/1/2005	23.78	--	--	--	7.02	16.76	16.76
RW-4	6/29/2005	23.78	--	--	Not Monitored	--	--	NM
RW-4	7/20/2005	23.78	--	--	Not Monitored	--	--	NM
RW-4	8/22/2005	23.78	--	--	--	9.50	14.28	11.18
RW-4	9/12/2005	23.78	--	--	--	10.31	13.47	13.47
RW-4	10/12/2005	23.78	10.69	13.09	0.13	10.82	13.06	13.16
RW-4	11/21/2005	23.78	--	--	--	8.40	15.38	15.38
RW-4	12/27/2005	23.78	--	--	--	5.14	18.64	18.64
RW-4	1/30/2006	23.78	--	--	--	3.40	20.38	20.38
RW-4	2/16/2006	23.78	--	--	--	5.65	18.13	18.13
RW-4	3/13/2006	23.78	--	--	--	6.81	16.97	16.97
RW-4	4/18/2006	23.78	--	--	--	6.95	16.83	16.83
RW-4	5/12/2006	23.78	--	--	--	7.69	16.09	16.09
RW-4	6/9/2006	23.78	--	--	--	7.25	16.53	16.53
RW-4	7/13/2006	23.78	--	--	--	8.56	15.22	15.22
RW-4	8/16/2006	23.78	--	--	--	9.70	14.08	14.08
RW-4	9/19/2006	23.78	--	--	--	10.30	13.48	13.48
RW-4	10/13/2006	23.78	--	--	--	10.05	13.73	13.73
RW-4	11/20/2006	23.78	--	--	--	4.64	19.14	19.14
RW-4	12/8/2006	23.78	--	--	--	5.00	18.78	18.78
RW-4	1/19/2007	23.78	--	--	--	4.47	19.31	19.31
RW-4	2/19/2007	23.78	--	--	--	7.16	16.62	16.62
RW-4	3/15/2007	23.78	--	--	--	5.91	17.87	17.87
RW-4	4/16/2007	23.78	--	--	--	6.75	17.03	17.03
RW-4	5/14/2007	23.78	--	--	--	8.22	15.56	15.56
RW-4	6/29/2007	23.78	--	--	--	9.54	14.24	14.24
RW-4	7/20/2007	23.78	--	--	--	10.02	13.76	13.76
RW-4	8/21/2007	23.78	--	--	--	10.72	13.06	13.06
RW-4	9/10/2007	23.78	--	--	--	10.71	13.07	13.07
RW-4	10/22/2007	23.78	--	--	--	8.88	14.90	14.90
RW-4	11/28/2007	23.78	--	--	Not Monitored	--	--	NM
RW-4	12/13/2007	23.78	--	--	--	7.22	16.56	16.56
RW-4	1/21/2008	23.78	--	--	--	7.22	16.56	16.56
RW-4	2/24/2008	23.78	--	--	--	7.91	15.87	15.87
RW-4	3/24/2008	23.78	--	--	--	7.69	16.09	16.09
RW-4	8/25/2008	23.78	--	--	--	9.18	14.60	14.60
RW-4	2/18/2009	23.78	--	--	--	8.17	15.61	15.61
RW-4	8/25/2009	23.78	--	--	--	10.85	12.93	12.93
RW-4	3/22/2010	23.78	--	--	--	7.17	16.61	16.61
RW-4	8/23/2010	23.78	--	--	--	9.89	13.89	13.89
RW-4	2/7/2011	23.78	--	--	--	6.11	17.67	--
RW-4	5/27/2011	23.78	--	--	Not Monitored	--	--	--
RW-4	8/8/2011	23.78	--	--	--	9.85	13.93	--
RW-4	11/14/2011	23.78	--	--	--	9.06	14.72	--
RW-4	2/20/2012	23.78	--	--	--	5.12	18.66	--

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
RW-4	8/22/2012	23.78	--	--	--	9.51	14.27	--
RW-4	11/5/2012	23.78	--	--	--	6.07	17.71	--
RW-4	1/28/2013	23.78	--	--	--	5.94	17.84	--
RW-4	5/9/2013	23.78	--	--	--	7.77	16.01	--
RW-4	8/19/2013	23.78	--	--	--	10.37	13.41	--
RW-4	11/25/2013	23.78	--	--	--	7.76	16.02	--
RW-4	2/14/2014	23.78	--	--	--	5.57	18.21	--
RW-4	5/5/2014	23.78	--	--	--	5.08	18.70	--
RW-4	8/19/2014	23.78	--	--	--	10.29	13.49	--
RW-4	11/21/2014	23.78	--	--	--	7.67	16.11	--
RW-5	11/20/2002	23.70	8.65	15.05	0.02	8.67	15.05	--
RW-5	11/21/2002	23.70	8.30	15.40	0.10	8.40	15.38	15.06
RW-5	11/22/2002	23.70	8.46	15.24	0.06	8.52	15.23	15.45
RW-5	11/24/2002	23.70	8.63	15.07	0.28	8.91	15.00	15.27
RW-5	1/2/2003	23.70	6.87	16.83	0.04	6.91	16.82	16.85
RW-5	1/3/2003	23.70	6.77	16.93	0.03	6.80	16.92	16.95
RW-5	1/6/2003	23.70	6.46	17.24	0.04	6.50	17.23	17.26
RW-5	1/7/2003	23.70	6.36	17.34	0.06	6.42	17.33	17.37
RW-5	1/8/2003	23.70	6.13	17.57	0.03	6.16	17.56	17.59
RW-5	1/9/2003	23.70	6.25	17.45	0.03	6.28	17.44	17.47
RW-5	1/10/2003	23.70	6.43	17.27	0.04	6.47	17.26	17.29
RW-5	1/13/2003	23.70	6.48	17.22	0.03	6.51	17.21	17.24
RW-5	1/14/2003	23.70	6.44	17.26	0.05	6.49	17.25	17.29
RW-5	1/15/2003	23.70	6.37	17.33	0.04	6.41	17.32	17.35
RW-5	1/16/2003	23.70	6.40	17.30	0.02	6.42	17.30	17.31
RW-5	1/17/2003	23.70	6.37	17.33	0.04	6.41	17.32	17.35
RW-5	1/20/2003	23.70	6.57	17.13	0.05	6.62	17.12	17.16
RW-5	1/22/2003	23.70	6.60	17.10	0.08	6.68	17.08	17.14
RW-5	1/23/2003	23.70	6.83	16.87	0.07	6.90	16.85	16.91
RW-5	1/24/2003	23.70	6.69	17.01	0.03	6.72	17.00	17.03
RW-5	1/27/2003	23.70	5.97	17.73	0.06	6.03	17.72	17.76
RW-5	1/28/2003	23.70	5.95	17.75	0.09	6.04	17.73	17.80
RW-5	1/29/2003	23.70	5.82	17.88	0.12	5.94	17.85	17.94
RW-5	1/30/2003	23.70	5.90	17.80	0.10	6.00	17.78	17.85
RW-5	2/3/2003	23.70	6.34	17.36	0.07	6.41	17.34	17.40
RW-5	2/6/2003	24.44	7.12	17.32	0.06	7.18	17.31	17.35
RW-5	2/11/2003	24.44	7.63	16.81	0.07	7.70	16.79	16.85
RW-5	2/18/2003	24.44	8.11	16.33	0.14	8.25	16.30	16.40
RW-5	2/21/2003	24.44	7.99	16.45	0.03	8.02	16.44	16.47
RW-5	2/26/2003	24.44	7.74	16.70	0.01	7.75	16.70	16.71
RW-5	3/4/2003	24.44	--	--	--	7.59	16.85	16.85
RW-5	3/12/2003	24.44	8.04	16.40	0.01	8.05	16.40	16.41
RW-5	3/14/2003	24.44	7.84	16.60	0.01	7.85	16.60	16.61
RW-5	3/26/2003	24.44	--	--	--	7.19	17.25	17.25
RW-5	3/28/2003	24.44	--	--	--	7.71	16.73	16.73
RW-5	4/2/2003	24.44	--	--	--	7.85	16.59	16.59
RW-5	4/4/2003	24.44	--	--	--	8.16	16.28	16.28
RW-5	4/8/2003	24.44	7.71	16.73	0.00	7.72	16.73	16.73
RW-5	4/11/2003	24.44	--	--	--	7.78	16.66	16.66
RW-5	4/15/2003	24.44	7.44	17.00	0.01	7.45	17.00	17.01
RW-5	4/17/2003	24.44	--	--	--	7.91	16.53	16.53
RW-5	4/22/2003	24.44	--	--	--	7.75	16.69	16.69
RW-5	4/25/2003	24.44	--	--	--	7.84	16.60	16.60
RW-5	5/2/2003	24.44	--	--	--	8.78	15.66	15.66
RW-5	5/6/2003	24.44	9.05	15.39	0.01	9.06	15.39	15.40
RW-5	5/9/2003	24.44	9.06	15.38	0.05	9.11	15.37	15.41
RW-5	5/23/2003	24.44	9.08	15.36	0.01	9.09	15.36	15.37
RW-5	5/28/2003	24.44	9.27	15.17	0.01	9.28	15.17	15.18
RW-5	6/13/2003	24.44	9.85	14.59	0.06	9.91	14.58	14.62
RW-5	6/18/2003	24.44	9.81	14.63	0.08	9.89	14.61	14.67
RW-5	6/27/2003	24.44	9.26	15.18	0.22	9.48	15.13	15.29
RW-5	7/7/2003	24.44	10.51	13.93	0.19	10.70	13.88	14.03
RW-5	7/16/2003	24.44	10.29	14.15	0.16	10.45	14.11	14.23
RW-5	7/31/2003	24.44	--	--	--	10.68	13.76	13.76
RW-5	8/5/2003	24.44	--	--	--	10.68	13.76	13.76
RW-5	8/11/2003	24.44	--	--	--	11.68	12.76	12.76
RW-5	8/22/2003	24.44	11.57	12.87	0.08	11.65	12.85	12.91
RW-5	8/26/2003	24.44	--	--	--	10.68	13.76	13.76
RW-5	9/2/2003	24.44	--	--	--	10.67	13.77	13.77
RW-5	9/9/2003	24.44	--	--	--	10.68	13.76	13.76
RW-5	9/19/2003	24.44	--	--	--	10.68	13.76	13.76
RW-5	10/14/2003	24.44	--	--	--	10.65	13.79	13.79
RW-5	11/20/2003	24.44	--	--	--	8.20	16.24	16.24
RW-5	12/3/2003	24.44	--	--	--	7.15	17.29	17.29
RW-5	1/19/2004	24.44	--	--	--	6.71	17.73	17.73
RW-5	2/24/2004	24.44	--	--	--	7.68	16.76	16.76
RW-5	3/15/2004	24.44	--	--	--	8.58	15.86	15.86
RW-5	4/19/2004	24.44	--	--	--	9.47	14.97	14.97
RW-5	5/17/2004	24.44	--	--	--	10.28	14.16	14.16
RW-5	6/22/2004	24.44	--	--	--	9.76	14.68	14.68
RW-5	8/18/2004	24.44	10.69	13.75	0.01	10.70	13.75	13.76
RW-5	9/21/2004	24.44	--	--	--	9.35	15.09	15.09
RW-5	10/19/2004	24.44	--	--	--	8.55	15.89	15.89
RW-5	11/23/2004	24.44	--	--	--	8.94	15.50	15.50
RW-5	12/21/2004	24.44	--	--	--	7.48	16.96	16.96
RW-5	1/13/2005	24.44	--	--	--	8.38	16.06	16.06
RW-5	4/28/2005	24.44	--	--	--	7.78	16.66	16.66
RW-5	6/1/2005	24.44	--	--	--	8.08	16.36	16.36
RW-5	6/29/2005	24.44	--	--	--	9.28	15.16	15.16
RW-5	7/20/2005	24.44	--	--	Not Monitored	--	--	NM
RW-5	8/22/2005	24.44	--	--	--	10.45	13.99	13.99
RW-5	5/27/2011	24.44	--	--	Not Monitored	--	--	--

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
RWx-5	9/12/2005	24.97	--	--	--	13.43	11.54	11.54
RWx-5	10/12/2005	24.97	--	--	--	13.32	11.65	11.65
RWx-5	11/21/2005	24.97	10.88	14.09	0.03	10.91	14.08	14.11
RWx-5	12/27/2005	24.97	8.39	16.58	0.21	8.60	16.53	16.69
RWx-5	1/30/2006	24.97	7.85	17.12	0.01	7.86	17.12	17.13
RWx-5	2/16/2006	24.97	7.77	17.20	0.21	7.98	17.15	17.31
RWx-5	3/13/2006	24.97	7.74	17.23	0.07	7.81	17.21	17.27
RWx-5	4/18/2006	24.97	8.95	16.02	0.23	9.18	15.96	16.14
RWx-5	5/12/2006	24.97	9.33	15.64	0.13	9.46	15.61	15.71
RWx-5	6/9/2006	24.97	8.87	16.10	0.03	8.90	16.09	16.12
RWx-5	7/13/2006	24.97	10.05	14.92	0.25	10.30	14.86	15.05
RWx-5	8/16/2006	24.97	11.10	13.87	0.27	11.37	13.80	14.01
RWx-5	9/19/2006	24.97	--	--	--	11.67	13.30	13.30
RWx-5	10/13/2006	24.97	11.45	13.52	0.15	11.60	13.48	13.60
RWx-5	11/20/2006	24.97	--	--	--	6.86	18.11	18.11
RWx-5	12/8/2006	24.97	--	--	--	7.25	17.72	17.72
RWx-5	1/19/2007	24.97	--	--	--	6.60	18.37	18.37
RWx-5	2/19/2007	24.97	--	--	--	8.90	16.07	16.07
RWx-5	3/15/2007	24.97	--	--	--	7.77	17.20	17.20
RWx-5	4/16/2007	24.97	--	--	--	8.35	16.62	16.62
RWx-5	5/14/2007	24.97	--	--	--	9.77	15.20	15.20
RWx-5	6/29/2007	24.97	--	--	--	10.92	14.05	14.05
RWx-5	7/20/2007	24.97	--	--	--	11.37	13.60	13.60
RWx-5	8/21/2007	24.97	--	--	--	12.05	12.92	12.92
RWx-5	9/10/2007	24.97	12.10	--	--	12.11	12.86	12.86
RWx-5	10/22/2007	24.97	--	--	--	10.52	14.45	14.45
RWx-5	11/28/2007	24.97	--	--	--	9.95	15.02	15.02
RWx-5	12/13/2007	24.97	--	--	--	8.71	16.26	16.26
RWx-5	1/21/2008	24.97	--	--	--	8.75	16.22	16.22
RWx-5	2/24/2008	24.97	--	--	--	12.21	12.76	12.76
RWx-5	3/24/2008	24.97	--	--	--	9.36	15.61	15.61
RWx-5	8/25/2008	24.97	--	--	--	11.17	13.80	13.80
RWx-5	2/18/2009	24.97	--	--	--	9.92	15.05	15.05
RWx-5	8/25/2009	24.97	--	--	--	12.58	12.39	12.39
RWx-5	3/22/2010	24.97	--	--	--	9.02	15.95	15.95
RWx-5	8/23/2010	24.97	--	--	--	11.57	13.40	13.40
RWx-5	2/7/2011	24.97	--	--	--	8.15	16.82	--
RWx-5	5/27/2011	24.97	--	--	--	9.16	15.81	--
RWx-5	8/8/2011	24.97	--	--	--	11.63	13.34	--
RWx-5	11/14/2011	24.97	--	--	--	10.56	14.41	--
RWx-5	2/20/2012	24.97	--	--	--	8.21	16.76	--
RWx-5	8/22/2012	24.97	--	--	--	11.25	13.72	--
RWx-5	11/5/2012	24.97	--	--	--	8.52	16.45	--
RWx-5	1/28/2013	24.97	--	--	--	8.07	16.90	--
RWx-5	5/9/2013	24.97	--	--	--	10.61	14.36	--
RWx-5	8/19/2013	24.97	--	--	--	12.71	12.26	--
RWx-5	11/25/2013	24.97	--	--	--	9.12	15.85	--
RWx-5	2/14/2014	24.97	--	--	--	6.71	18.26	--
RWx-5	5/5/2014	24.97	--	--	--	6.28	18.69	--
RWx-5	8/19/2014	24.97	--	--	--	11.97	13.00	--
RWx-5	11/21/2014	24.97	--	--	--	9.00	15.97	--
RW-6	11/20/2002	23.43	8.05	15.38	2.05	10.10	14.87	--
RW-6	11/21/2002	23.43	8.40	15.03	0.15	8.55	14.99	16.41
RW-6	11/22/2002	23.43	8.45	14.98	0.24	8.69	14.92	15.11
RW-6	11/24/2002	23.43	8.65	14.78	0.33	8.98	14.70	15.10
RW-6	1/2/2003	23.43	6.70	16.73	0.87	7.57	16.51	17.17
RW-6	1/7/2003	23.43	6.50	16.93	0.26	6.76	16.87	17.06
RW-6	1/8/2003	23.43	6.09	17.34	0.51	6.60	17.21	17.60
RW-6	1/9/2003	23.43	6.28	17.15	0.38	6.66	17.06	17.34
RW-6	1/10/2003	23.43	6.42	17.01	0.23	6.65	16.95	17.13
RW-6	1/13/2003	23.43	8.16	15.27	0.07	8.23	15.25	15.31
RW-6	1/14/2003	23.43	6.73	16.70	0.20	6.93	16.65	16.80
RW-6	1/15/2003	23.43	6.30	17.13	0.60	6.90	16.98	17.43
RW-6	1/16/2003	23.43	6.28	17.15	0.65	6.93	16.99	17.48
RW-6	1/17/2003	23.43	6.29	17.14	0.00	6.29	17.14	17.14
RW-6	1/20/2003	23.43	6.31	17.12	0.63	6.94	16.96	17.44
RW-6	1/22/2003	23.43	6.41	17.02	0.75	7.16	16.83	17.40
RW-6	1/23/2003	23.43	6.60	16.83	0.80	7.40	16.63	17.23
RW-6	1/24/2003	23.43	6.45	16.98	0.76	7.21	16.79	17.36
RW-6	1/27/2003	23.43	5.82	17.61	0.62	6.44	17.46	17.92
RW-6	1/28/2003	23.43	5.90	17.53	0.39	6.29	17.43	17.73
RW-6	1/29/2003	23.43	5.81	17.62	0.35	6.16	17.53	17.80
RW-6	1/30/2003	23.43	5.92	17.51	0.28	6.20	17.44	17.65
RW-6	2/3/2003	23.43	6.25	17.18	0.19	6.44	17.13	17.28
RW-6	2/6/2003	24.18	6.96	17.22	0.18	7.14	17.18	17.31
RW-6	2/11/2003	24.18	7.44	16.74	0.31	7.75	16.66	16.90
RW-6	2/18/2003	24.18	7.90	16.28	0.51	8.41	16.15	16.54
RW-6	2/21/2003	24.18	7.86	16.32	0.47	8.33	16.20	16.56
RW-6	2/26/2003	24.18	7.76	16.42	0.01	7.77	16.42	16.43
RW-6	3/4/2003	24.18	--	--	--	7.46	16.72	16.72
RW-6	3/12/2003	24.18	8.01	16.17	0.01	8.02	16.17	16.18
RW-6	3/14/2003	24.18	--	--	--	7.81	16.37	16.37
RW-6	3/26/2003	24.18	--	--	--	7.02	17.16	17.16
RW-6	3/28/2003	24.18	--	--	--	7.62	16.56	16.56
RW-6	4/2/2003	24.18	--	--	--	7.74	16.44	16.44
RW-6	4/4/2003	24.18	--	--	--	8.07	16.11	16.11
RW-6	4/8/2003	24.18	--	--	--	7.69	16.49	16.49
RW-6	4/11/2003	24.18	7.61	16.57	0.01	7.62	16.57	16.58
RW-6	4/15/2003	24.18	--	--	--	7.29	16.89	16.89
RW-6	4/17/2003	24.18	7.78	16.40	0.01	7.79	16.40	16.41
RW-6	4/22/2003	24.18	--	--	--	7.81	16.37	16.37

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
RW-6	4/25/2003	24.18	--	--	--	7.75	16.43	16.43
RW-6	5/2/2003	24.18	--	--	--	8.66	15.52	15.52
RW-6	5/6/2003	24.18	8.84	15.34	0.28	9.12	15.27	15.48
RW-6	5/9/2003	24.18	8.82	15.36	0.43	9.25	15.25	15.58
RW-6	5/23/2003	24.18	8.85	15.33	0.86	9.71	15.12	15.76
RW-6	5/28/2003	24.18	8.93	15.25	1.08	10.01	14.98	15.79
RW-6	6/13/2003	24.18	9.28	14.90	0.81	10.09	14.70	15.31
RW-6	6/18/2003	24.18	9.22	14.96	1.53	10.75	14.58	15.73
RW-6	6/27/2003	24.18	9.60	14.58	1.22	10.82	14.28	15.19
RW-6	7/7/2003	24.18	9.90	14.28	0.91	10.81	14.05	14.74
RW-6	7/16/2003	24.18	9.68	14.50	1.08	10.76	14.23	15.04
RW-6	7/31/2003	24.18	10.34	13.84	0.42	10.76	13.74	14.05
RW-6	8/5/2003	24.18	10.30	13.88	0.45	10.75	13.77	14.11
RW-6	8/11/2003	24.18	11.35	12.83	0.39	11.74	12.73	13.03
RW-6	8/22/2003	24.18	11.10	13.08	0.64	11.74	12.92	13.40
RW-6	8/26/2003	24.18	10.71	13.47	0.05	10.76	13.46	13.50
RW-6	9/2/2003	24.18	10.61	13.57	0.14	10.75	13.54	13.64
RW-6	9/9/2003	24.18	--	--	--	10.76	13.42	13.42
RW-6	9/19/2003	24.18	--	--	--	10.76	13.42	13.42
RW-6	10/14/2003	24.18	--	--	--	10.75	13.43	13.43
RW-6	11/20/2003	24.18	--	--	--	8.50	15.68	15.68
RW-6	12/3/2003	24.18	--	--	--	7.08	17.10	17.10
RW-6	1/19/2004	24.18	--	--	--	6.62	17.56	17.56
RW-6	2/24/2004	24.18	--	--	--	7.58	16.60	16.60
RW-6	3/15/2004	24.18	--	--	--	8.57	15.61	15.61
RW-6	4/19/2004	24.18	--	--	--	9.36	14.82	14.82
RW-6	5/17/2004	24.18	--	--	--	10.15	14.03	14.03
RW-6	6/22/2004	24.18	--	--	--	9.91	14.27	14.27
RW-6	8/18/2004	24.18	10.72	13.46	0.01	10.73	13.46	13.47
RW-6	9/21/2004	24.18	--	--	--	9.73	14.45	14.45
RW-6	10/19/2004	24.18	--	--	--	8.83	15.35	15.35
RW-6	11/23/2004	24.18	--	--	--	8.86	15.32	15.32
RW-6	12/21/2004	24.18	--	--	--	7.33	16.85	16.85
RW-6	1/13/2005	24.18	--	--	--	8.22	15.96	15.96
RW-6	4/28/2005	24.18	--	--	--	7.65	16.53	16.53
RW-6	6/1/2005	24.18	--	--	--	7.95	16.23	16.23
RW-6	6/29/2005	24.18	--	--	--	9.21	14.97	14.97
RW-6	7/20/2005	24.18	--	--	--	9.81	14.37	14.37
RW-6	8/22/2005	24.18	--	--	--	10.20	13.98	13.98
RW-6	9/12/2005	24.18	--	--	--	10.77	13.41	13.41
RW-6	10/12/2005	24.18	--	--	--	10.77	13.41	13.41
RW-6	11/21/2005	24.18	--	--	--	9.96	14.22	14.22
RW-6	12/27/2005	24.18	--	--	--	7.45	16.73	16.73
RW-6	1/30/2006	24.18	--	--	--	4.72	19.46	19.46
RW-6	2/16/2006	24.18	--	--	--	6.86	17.32	17.32
RW-6	3/13/2006	24.18	--	--	--	7.82	16.36	16.36
RW-6	4/18/2006	24.18	--	--	--	8.04	16.14	16.14
RW-6	5/12/2006	24.18	--	--	--	8.52	15.66	15.66
RW-6	6/9/2006	24.18	--	--	--	8.10	16.08	16.08
RW-6	7/13/2006	24.18	--	--	--	9.26	14.92	14.92
RW-6	8/16/2006	24.18	--	--	--	10.25	13.93	13.93
RW-6	9/19/2006	24.18	--	--	--	10.77	13.41	13.41
RW-6	10/13/2006	24.18	--	--	--	10.56	13.62	13.62
RW-6	11/20/2006	24.18	--	--	--	6.05	18.13	18.13
RW-6	12/8/2006	24.18	--	--	--	6.39	17.79	17.79
RW-6	1/19/2007	24.18	--	--	--	5.68	18.50	18.50
RW-6	2/19/2007	24.18	--	--	--	7.95	16.23	16.23
RW-6	3/15/2007	24.18	--	--	--	6.96	17.22	17.22
RW-6	4/16/2007	24.18	--	--	--	7.61	16.57	16.57
RW-6	5/14/2007	24.18	--	--	--	8.90	15.28	15.28
RW-6	6/29/2007	24.18	--	--	--	10.10	14.08	14.08
RW-6	7/20/2007	24.18	--	--	--	10.53	13.65	13.65
RW-6	8/21/2007	24.18	--	--	--	10.75	13.43	13.43
RW-6	9/10/2007	24.18	--	--	--	10.76	13.42	13.42
RW-6	10/22/2007	24.18	--	--	--	9.22	14.96	14.96
RW-6	11/28/2007	24.18	--	--	--	8.94	15.24	15.24
RW-6	12/13/2007	24.18	--	--	--	7.47	16.71	16.71
RW-6	1/21/2008	24.18	--	--	--	7.79	16.39	16.39
RW-6	2/24/2008	24.18	--	--	--	10.61	13.57	13.57
RW-6	3/24/2008	24.18	--	--	--	8.45	15.73	15.73
RW-6	8/25/2008	24.18	--	--	--	9.80	14.38	14.38
RW-6	2/18/2009	24.18	--	--	--	8.85	15.33	15.33
RW-6	8/25/2009	24.18	--	--	--	10.80	13.38	13.38
RW-6	3/22/2010	24.18	--	--	--	8.19	15.99	15.99
RW-6	8/23/2010	24.18	--	--	--	10.20	13.98	13.98
RW-6	2/7/2011	24.18	--	--	--	7.25	16.93	--
RW-6	5/27/2011	24.18	--	--	Not Monitored			
RW-6	8/8/2011	24.18	--	--	--	10.31	13.87	--
RW-6	11/14/2011	24.18	--	--	--	9.56	14.62	--
RW-6	2/20/2012	24.18	--	--	--	7.19	16.99	--
RW-6	8/22/2012	24.18	--	--	--	10.07	14.11	--
RW-6	11/5/2012	24.18	--	--	--	7.63	16.55	--
RW-6	1/28/2013	24.18	--	--	--	7.16	17.02	--
RW-6	5/9/2013	24.18	--	--	--	8.22	15.96	--
RW-6	8/19/2013	24.18	--	--	--	10.80	13.38	--
RW-6	11/25/2013	24.18	--	--	--	8.32	15.86	--
RW-6	11/25/2013	24.18	--	--	--	8.32	15.86	--
RW-6	2/14/2014	24.18	--	--	--	6.76	17.42	--
RW-6	5/5/2014	24.18	--	--	--	5.99	18.19	--
RW-6	8/19/2014	24.18	--	--	--	10.57	13.61	--
RW-6	11/21/2014	24.18	--	--	--	5.54	18.64	--
RW-7	11/20/2002	23.01	7.65	15.36	2.46	10.11	14.75	--

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
RW-7	11/21/2002	23.01	7.60	15.41	2.51	10.11	14.78	16.59
RW-7	11/22/2002	23.01	8.03	14.98	1.75	9.78	14.54	16.67
RW-7	11/24/2002	23.01	8.23	14.78	1.26	9.49	14.47	15.86
RW-7	1/2/2003	23.01	6.44	16.57	0.40	6.84	16.47	16.77
RW-7	1/3/2003	23.01	6.28	16.73	0.40	6.68	16.63	16.93
RW-7	1/6/2003	23.01	5.93	17.08	0.12	6.05	17.05	17.14
RW-7	1/7/2003	23.01	5.84	17.17	0.20	6.04	17.12	17.27
RW-7	1/8/2003	23.01	5.66	17.35	0.20	5.86	17.30	17.45
RW-7	1/9/2003	23.01	5.72	17.29	0.33	6.05	17.21	17.46
RW-7	1/10/2003	23.01	5.90	17.11	0.25	6.15	17.05	17.24
RW-7	1/13/2003	23.01	5.98	17.03	0.37	6.35	16.94	17.22
RW-7	1/14/2003	23.01	5.97	17.04	0.27	6.24	16.97	17.18
RW-7	1/15/2003	23.01	5.95	17.06	0.30	6.25	16.99	17.21
RW-7	1/16/2003	23.01	5.84	17.17	0.41	6.25	17.07	17.38
RW-7	1/17/2003	23.01	5.85	17.16	0.35	6.20	17.07	17.34
RW-7	1/20/2003	23.01	6.02	16.99	0.53	6.55	16.86	17.26
RW-7	1/22/2003	23.01	6.11	16.90	0.80	6.91	16.70	17.30
RW-7	1/23/2003	23.01	6.25	16.76	1.05	7.30	16.50	17.29
RW-7	1/24/2003	23.01	6.16	16.85	1.03	7.19	16.59	17.37
RW-7	1/27/2003	23.01	5.60	17.41	0.58	6.18	17.27	17.70
RW-7	1/28/2003	23.01	5.65	17.36	0.63	6.28	17.20	17.68
RW-7	1/29/2003	23.01	5.55	17.46	0.65	6.20	17.30	17.79
RW-7	1/30/2003	23.01	5.65	17.36	0.67	6.32	17.19	17.70
RW-7	2/3/2003	23.01	5.91	17.10	0.76	6.67	16.91	17.48
RW-7	2/6/2003	23.78	6.55	17.23	0.79	7.34	17.03	17.63
RW-7	2/11/2003	23.78	6.99	16.79	1.08	8.07	16.52	17.33
RW-7	2/21/2003	23.78	7.42	16.36	0.99	8.41	16.11	16.86
RW-7	2/26/2003	23.78	7.24	16.54	0.04	7.28	16.53	16.56
RW-7	3/4/2003	23.78	--	--	--	6.96	16.82	16.82
RW-7	3/12/2003	23.01	Trace	--	--	7.71	15.30	15.30
RW-7	3/14/2003	23.01	--	--	--	7.51	15.50	15.50
RW-7	3/26/2003	23.01	--	--	--	6.68	16.33	16.33
RW-7	3/28/2003	23.01	--	--	--	7.25	15.76	15.76
RW-7	4/2/2003	23.01	--	--	--	7.42	15.59	15.59
RW-7	4/4/2003	23.01	--	--	--	7.64	15.37	15.37
RW-7	4/8/2003	23.01	--	--	--	7.22	15.79	15.79
RW-7	4/11/2003	23.01	--	--	--	7.16	15.85	15.85
RW-7	4/15/2003	23.01	--	--	--	6.81	16.20	16.20
RW-7	4/17/2003	23.01	--	--	--	7.38	15.63	15.63
RW-7	4/22/2003	23.01	--	--	--	7.34	15.67	15.67
RW-7	4/25/2003	23.01	--	--	--	7.21	15.80	15.80
RW-7	5/2/2003	23.01	8.30	14.71	0.03	8.33	14.70	14.73
RW-7	5/6/2003	23.01	8.52	14.49	0.08	8.60	14.47	14.53
RW-7	5/9/2003	23.01	8.54	14.47	0.03	8.57	14.46	14.49
RW-7	5/23/2003	23.01	8.55	14.46	1.03	9.58	14.20	14.98
RW-7	5/28/2003	23.01	8.57	14.44	1.55	10.12	14.05	15.22
RW-7	6/13/2003	23.01	8.92	14.09	1.64	10.56	13.68	14.91
RW-7	6/18/2003	23.01	8.88	14.13	1.87	10.75	13.66	15.07
RW-7	6/27/2003	23.01	9.26	13.75	1.55	10.81	13.36	14.53
RW-7	7/7/2003	23.01	9.54	13.47	1.21	10.75	13.17	14.08
RW-7	7/16/2003	23.01	9.42	13.59	1.30	10.72	13.27	14.24
RW-7	7/31/2003	23.01	9.98	13.03	0.76	10.74	12.84	13.41
RW-7	8/5/2003	23.01	10.88	12.13	0.74	11.62	11.95	12.50
RW-7	8/11/2003	23.01	11.00	12.01	0.69	11.69	11.84	12.36
RW-7	8/22/2003	23.01	10.70	12.31	1.01	11.71	12.06	12.82
RW-7	8/26/2003	23.01	11.28	11.73	0.37	11.65	11.64	11.92
RW-7	9/2/2003	23.01	10.36	12.65	0.36	10.72	12.56	12.83
RW-7	9/9/2003	23.01	10.75	12.26	0.01	10.76	12.26	12.27
RW-7	9/19/2003	23.01	--	--	--	10.76	12.25	12.25
RW-7	10/14/2003	23.01	--	--	--	10.77	12.24	12.24
RW-7	11/20/2003	23.01	--	--	--	8.24	14.77	14.77
RW-7	12/3/2003	23.01	--	--	--	6.79	16.22	16.22
RW-7	1/19/2004	23.01	--	--	--	6.31	16.70	16.70
RW-7	2/24/2004	23.01	--	--	--	7.11	15.90	15.90
RW-7	3/15/2004	23.01	--	--	--	8.20	14.81	14.81
RW-7	4/19/2004	23.01	--	--	--	8.85	14.16	14.16
RW-7	5/17/2004	23.01	--	--	--	9.79	13.22	13.22
RW-7	6/22/2004	23.01	--	--	--	9.57	13.44	13.44
RW-7	8/18/2004	23.01	10.71	12.30	0.01	10.72	12.30	12.31
RW-7	9/21/2004	23.01	--	--	--	10.45	12.56	12.56
RW-7	10/19/2004	23.01	--	--	--	8.73	14.28	14.28
RW-7	11/23/2004	23.01	--	--	--	9.60	13.41	13.41
RW-7	12/21/2004	23.01	--	--	--	7.06	15.95	15.95
RW-7	1/13/2005	23.01	--	--	--	7.93	15.08	15.08
RW-7	4/28/2005	23.01	--	--	--	7.37	15.64	15.64
RW-7	6/1/2005	23.01	--	--	--	7.67	15.34	15.34
RW-7	6/29/2005	23.01	--	--	--	9.05	13.96	13.96
RW-7	7/20/2005	23.01	--	--	--	9.61	13.40	13.40
RW-7	8/22/2005	23.01	--	--	--	9.88	13.13	13.13
RW-7	5/27/2011	23.01	--	--	Not Monitored	--	--	--
RWx-7	9/12/2005	24.71	--	--	--	11.99	12.72	12.72
RWx-7	10/12/2005	24.71	12.54	12.17	0.23	12.77	12.11	12.29
RWx-7	11/21/2005	24.71	9.83	14.88	0.13	9.96	14.85	14.95
RWx-7	12/27/2005	24.71	8.15	16.56	0.02	8.17	16.56	16.57
RWx-7	1/30/2006	24.71	5.31	19.40	0.01	5.32	19.40	19.41
RWx-7	2/16/2006	24.71	7.41	17.30	0.02	7.43	17.30	17.31
RWx-7	3/13/2006	24.71	--	--	--	8.46	16.25	16.25
RWx-7	4/18/2006	24.71	--	--	--	8.71	16.00	16.00
RWx-7	5/12/2006	24.71	--	--	--	9.18	15.53	15.53
RWx-7	6/9/2006	24.71	--	--	--	8.76	15.95	15.95
RWx-7	7/13/2006	24.71	--	--	--	10.10	14.61	14.61
RWx-7	8/16/2006	24.71	11.03	13.68	0.08	11.11	13.66	13.72

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
RWx-7	9/19/2006	24.71	--	--	--	11.60	13.11	13.11
RWx-7	10/13/2006	24.71	--	--	--	11.31	13.40	13.40
RWx-7	11/20/2006	24.71	--	--	--	6.61	18.10	18.10
RWx-7	12/8/2006	24.71	--	--	--	6.91	17.80	17.80
RWx-7	1/19/2007	24.71	--	--	--	6.22	18.49	18.49
RWx-7	2/19/2007	24.71	--	--	--	8.55	16.16	16.16
RWx-7	3/15/2007	24.71	--	--	--	7.52	17.19	17.19
RWx-7	4/16/2007	24.71	--	--	--	8.22	16.49	16.49
RWx-7	5/14/2007	24.71	--	--	--	9.52	15.19	15.19
RWx-7	6/29/2007	24.71	--	--	--	10.74	13.97	13.97
RWx-7	7/20/2007	24.71	--	--	--	11.16	13.55	13.55
RWx-7	8/21/2007	24.71	--	--	--	11.82	12.89	12.89
RWx-7	9/10/2007	24.71	--	--	--	11.90	12.81	12.81
RWx-7	10/22/2007	24.71	--	--	--	10.01	14.70	14.70
RWx-7	11/28/2007	24.71	--	--	--	9.54	15.17	15.17
RWx-7	12/13/2007	24.71	--	--	--	8.32	16.39	16.39
RWx-7	1/21/2008	24.71	--	--	--	8.34	16.37	16.37
RWx-7	2/24/2008	24.71	--	--	--	8.76	15.95	15.95
RWx-7	3/24/2008	24.71	--	--	--	9.06	15.65	15.65
RWx-7	8/25/2008	24.71	--	--	--	11.00	13.71	13.71
RWx-7	2/18/2009	24.71	--	--	--	9.39	15.32	15.32
RWx-7	8/25/2009	24.71	--	--	--	12.22	12.49	12.49
RWx-7	3/22/2010	24.71	--	--	--	8.80	15.91	15.91
RWx-7	8/23/2010	24.71	--	--	--	11.25	13.46	13.46
RWx-7	2/7/2011	24.71	--	--	--	7.85	16.86	--
RWx-7	5/27/2011	24.71	--	--	--	8.98	15.73	--
RWx-7	8/8/2011	24.71	--	--	--	11.15	13.56	--
RWx-7	11/14/2011	24.71	--	--	--	10.54	14.17	--
RWx-7	2/20/2012	24.71	--	--	--	7.79	16.92	--
RWx-7	8/22/2012	24.71	--	--	--	10.97	13.74	--
RWx-7	11/5/2012	24.71	--	--	--	8.69	16.02	--
RWx-7	1/28/2013	24.71	--	--	--	7.72	16.99	--
RWx-7	5/9/2013	24.71	--	--	--	8.82	15.89	--
RWx-7	8/19/2013	24.71	--	--	--	11.77	12.94	--
RWx-7	11/25/2013	24.71	--	--	--	9.07	15.64	--
RWx-7	2/14/2014	24.71	--	--	--	7.65	17.06	--
RWx-7	5/5/2014	24.71	--	--	--	6.52	18.19	--
RWx-7	8/19/2014	24.71	--	--	--	11.42	13.29	--
RWx-7	11/21/2014	24.71	--	--	--	8.68	16.03	--
RWX-7	11/14/2016	24.71	---	---	---	5.80	18.91	--
RWX-7	11/18/2016	24.71	---	---	---	---	---	--
RWX-7	2/17/2017	24.71	---	---	---	5.58	19.13	15.74
RWX-7	5/26/2017	24.71	---	---	---	8.07	16.64	16.35
RWX-7	9/26/2017	24.71	---	---	---	11.82	12.89	--
RWX-7	9/28/2017	24.71	---	---	---	---	---	--
RWX-7	12/14/2017	24.71	---	---	---	6.86	17.85	--
RWX-7	2/26/2018	24.71	---	---	---	7.67	17.04	--
RWX-7	6/11/2018	24.71	---	---	---	10.11	14.60	--
RWX-7	6/27/2018	24.71	---	---	---	10.85	13.86	--
RWX-7	8/29/2018	24.71	---	---	---	12.19	12.52	--
HW-1East	11/20/2003	20.35	--	--	--	4.61	15.74	--
HW-1East	12/3/2003	20.35	--	--	--	4.00	16.35	--
HW-1East	1/19/2004	20.35	3.56	16.79	0.005	3.57	16.79	--
HW-1East	2/24/2004	20.35	--	--	--	5.46	14.89	16.79
HW-1East	3/15/2004	20.35	--	--	--	5.84	14.51	14.51
HW-1East	4/19/2004	20.35	--	--	--	6.42	13.93	13.93
HW-1East	5/17/2004	20.35	--	--	Not Monitored	--	--	0.00
HW-1East	6/22/2004	20.35	--	--	Not Monitored	--	--	0.00
HW-1East	8/18/2004	20.35	--	--	Dry	--	--	Dry
HW-1East	9/21/2004	20.35	--	--	--	6.92	13.43	13.43
HW-1East	10/19/2004	20.35	--	--	--	6.02	14.33	14.33
HW-1East	11/23/2004	20.35	--	--	--	6.46	13.89	13.89
HW-1East	12/21/2004	20.35	--	--	--	4.45	15.90	15.90
HW-1East	1/13/2005	20.35	--	--	--	5.25	15.10	15.10
HW-1East	4/28/2005	20.35	--	--	--	4.82	15.53	15.53
HW-1East	6/1/2005	20.35	--	--	--	5.09	15.26	15.26
HW-1East	6/29/2005	20.35	--	--	--	6.83	13.52	13.52
HW-1East	7/20/2005	20.35	--	--	--	6.88	13.47	13.47
HW-1East	8/22/2005	20.35	--	--	--	7.03	13.32	13.32
HW-1East	12/21/2004	20.35	--	--	--	7.03	13.32	13.32
HW-1East	5/27/2011	20.35	--	--	Not Monitored	--	--	--
HWx-1East	9/12/2005	20.44	--	--	--	10.27	10.17	10.17
HWx-1East	10/12/2005	20.44	--	--	--	9.57	10.87	10.87
HWx-1East	11/21/2005	20.44	--	--	--	5.71	14.73	14.73
HWx-1East	12/27/2005	20.44	--	--	--	4.51	15.93	15.93
HWx-1East	1/30/2006	20.44	--	--	--	2.23	18.21	18.21
HWx-1East	2/16/2006	20.44	--	--	--	4.10	16.34	16.34
HWx-1East	3/13/2006	20.44	--	--	--	4.94	15.50	15.50
HWx-1East	4/18/2006	20.44	--	--	--	4.95	15.49	15.49
HWx-1East	5/12/2006	20.44	--	--	--	5.23	15.21	15.21
HWx-1East	6/9/2006	20.44	--	--	--	4.96	15.48	15.48
HWx-1East	7/13/2006	20.44	--	--	--	5.45	14.99	14.99
HWx-1East	8/16/2006	20.44	--	--	--	6.75	13.69	13.69
HWx-1East	9/19/2006	20.44	--	--	--	9.20	11.24	11.24
HWx-1East	10/13/2006	20.44	8.65	11.79	2.85	11.50	11.08	13.22
HWx-1East	11/20/2006	20.44	--	--	--	3.25	17.19	17.19
HWx-1East	12/8/2006	20.44	--	--	--	3.40	17.04	17.04
HWx-1East	1/19/2007	20.44	--	--	--	3.07	17.37	17.37
HWx-1East	2/19/2007	20.44	--	--	--	4.74	15.70	15.70
HWx-1East	3/15/2007	20.44	--	--	--	3.91	16.53	16.53
HWx-1East	4/16/2007	20.44	--	--	--	4.42	16.02	16.02

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HWx-1East	5/14/2007	20.44	--	--	--	5.45	14.99	14.99
HWx-1East	6/29/2007	20.44	--	--	--	6.58	13.86	13.86
HWx-1East	7/20/2007	20.44	--	--	--	8.38	12.06	12.06
HWx-1East	8/21/2007	20.44	--	--	--	8.79	11.65	11.65
HWx-1East	9/10/2007	20.44	--	--	--	8.95	11.49	11.49
HWx-1East	10/22/2007	20.44	--	--	--	6.45	13.99	13.99
HWx-1East	11/28/2007	20.44	--	--	--	5.72	14.72	14.72
HWx-1East	12/13/2007	20.44	--	--	--	4.68	15.76	15.76
HWx-1East	1/21/2008	20.44	--	--	--	4.88	15.56	15.56
HWx-1East	2/24/2008	20.44	--	--	--	5.17	15.27	15.27
HWx-1East	3/24/2008	20.44	--	--	--	5.54	14.90	14.90
HWx-1East	8/25/2008	20.44	--	--	--	8.95	11.49	11.49
HWx-1East	2/18/2009	20.44	--	--	--	5.15	15.29	15.29
HWx-1East	8/25/2009	20.44	--	--	--	10.05	10.39	10.39
HWx-1East	3/22/2010	20.44	--	--	--	10.45	9.99	9.99
HWx-1East	8/23/2010	20.44	--	--	--	10.20	10.24	10.24
HWx-1East	2/7/2011	20.44	--	--	--	4.60	15.84	--
HWx-1East	5/27/2011	20.44	--	--	Not Monitored			
HW-1West	11/20/2003	18.86	--	--	--	4.32	14.54	14.54
HW-1West	12/3/2003	18.86	--	--	--	3.56	15.30	15.30
HW-1West	1/19/2004	18.86	--	--	--	3.28	15.58	15.58
HW-1West	2/24/2004	18.86	--	--	--	4.96	13.90	13.90
HW-1West	3/15/2004	18.86	--	--	--	6.35	12.51	12.51
HW-1West	4/19/2004	18.86	--	--	--	5.90	12.96	12.96
HW-1West	5/17/2004	18.86	--	--	Not Monitored			0.00
HW-1West	6/22/2004	18.86	--	--	Not Monitored			0.00
HW-1West	8/18/2004	18.86	7.31	11.55	0.01	7.32	11.55	11.56
HW-1West	9/21/2004	18.86	--	--	--	6.43	12.43	12.43
HW-1West	10/19/2004	18.86	--	--	--	5.56	13.30	13.30
HW-1West	11/23/2004	18.86	--	--	--	5.82	13.04	13.04
HW-1West	12/21/2004	18.86	--	--	--	3.95	14.91	14.91
HW-1West	1/13/2005	18.86	--	--	--	4.66	14.20	14.20
HW-1West	4/28/2005	18.86	--	--	--	4.30	14.56	14.56
HW-1West	6/1/2005	18.86	--	--	--	5.60	13.26	13.26
HW-1West	6/29/2005	18.86	--	--	--	6.34	12.52	12.52
HW-1West	7/20/2005	18.86	--	--	--	6.40	12.46	12.46
HW-1West	8/22/2005	18.86	--	--	--	6.55	12.31	12.31
HW-1West	5/27/2011	18.86	--	--	Not Monitored			
HWx-1West	9/12/2005	19.96	--	--	--	10.16	9.80	9.80
HWx-1West	10/12/2005	19.96	9.22	10.74	0.01	9.23	10.74	10.75
HWx-1West	11/21/2005	19.96	5.42	14.54	0.01	5.43	14.54	14.55
HWx-1West	12/27/2005	19.96	--	--	--	4.01	15.95	15.95
HWx-1West	1/30/2006	19.96	--	--	--	1.72	18.24	18.24
HWx-1West	2/16/2006	19.96	3.79	16.17	0.01	3.80	16.17	16.18
HWx-1West	3/13/2006	19.96	--	--	--	4.52	15.44	15.44
HWx-1West	4/18/2006	19.96	--	--	--	4.48	15.48	15.48
HWx-1West	5/12/2006	19.96	--	--	--	4.80	15.16	15.16
HWx-1West	6/9/2006	19.96	--	--	--	4.52	15.44	15.44
HWx-1West	7/13/2006	19.96	--	--	--	9.89	10.07	10.07
HWx-1West	8/16/2006	19.96	--	--	--	6.20	13.76	13.76
HWx-1West	9/19/2006	19.96	--	--	--	6.87	13.09	13.09
HWx-1West	10/13/2006	19.96	--	--	--	6.57	13.39	13.39
HWx-1West	11/20/2006	19.96	--	--	--	2.76	17.20	17.20
HWx-1West	12/8/2006	19.96	--	--	--	2.91	17.05	17.05
HWx-1West	1/19/2007	19.96	--	--	--	2.60	17.36	17.36
HWx-1West	2/19/2007	19.96	--	--	--	4.26	15.70	15.70
HWx-1West	3/15/2007	19.96	--	--	--	3.42	16.54	16.54
HWx-1West	4/16/2007	19.96	--	--	--	3.95	16.01	16.01
HWx-1West	5/14/2007	19.96	--	--	--	4.95	15.01	15.01
HWx-1West	6/29/2007	19.96	--	--	--	9.06	10.90	10.90
HWx-1West	7/20/2007	19.96	--	--	--	6.43	13.53	13.53
HWx-1West	8/21/2007	19.96	--	--	--	8.05	11.91	11.91
HWx-1West	9/10/2007	19.96	--	--	--	8.11	11.85	11.85
HWx-1West	10/22/2007	19.96	--	--	--	5.98	13.98	13.98
HWx-1West	11/28/2007	19.96	--	--	--	5.23	14.73	14.73
HWx-1West	12/13/2007	19.96	--	--	--	4.18	15.78	15.78
HWx-1West	1/21/2008	19.96	--	--	--	4.38	15.58	15.58
HWx-1West	2/24/2008	19.96	--	--	--	4.72	15.24	15.24
HWx-1West	3/24/2008	19.96	--	--	--	5.06	14.90	14.90
HWx-1West	8/25/2008	19.96	--	--	--	6.90	13.06	13.06
HWx-1West	2/18/2009	19.96	--	--	--	5.02	14.94	14.94
HWx-1West	8/25/2009	19.96	--	--	--	7.21	12.75	12.75
HWx-1West	3/22/2010	19.96	--	--	--	9.60	10.36	10.36
HWx-1West	8/23/2010	19.96	--	--	--	9.24	10.72	10.72
HWx-1West	2/7/2011	19.96	--	--	--	4.13	15.83	15.83
HWx-1West	5/27/2011	19.96	--	--	Not Monitored			
MW-1	11/14/2011	20.51	--	--	--	8.45	12.06	--
MW-1	2/20/2012	20.51	--	--	--	6.96	13.55	--
MW-1	8/22/2012	20.51	--	--	--	9.60	10.91	--
MW-1	11/5/2012	20.51	--	--	--	7.91	12.60	--
MW-1	1/28/2013	20.51	--	--	--	7.41	13.10	--
MW-1	5/9/2013	20.51	--	--	--	8.24	12.27	--
MW-1	8/19/2013	20.51	--	--	--	10.45	10.06	--
MW-1	11/25/2013	20.51	--	--	--	8.02	12.49	--
MW-1	2/14/2014	20.51	--	--	--	7.71	12.80	--
MW-1	5/5/2014	20.51	--	--	--	7.04	13.47	--
MW-1	8/19/2014	20.51	--	--	--	9.16	11.35	--
MW-1	11/21/2014	20.51	--	--	--	7.97	12.54	--
MW-1	11/14/2016	20.51	--	--	--	7.49	13.02	--
MW-1	11/16/2016	20.51	--	--	--	--	--	--

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
MW-1	2/16/2017	20.51	--	--	--	7.01	13.50	--
MW-1	5/24/2017	20.51	--	--	--	7.67	12.84	--
MW-1	9/26/2017	20.51	--	--	--	9.49	11.02	--
MW-1	9/27/2017	20.51	--	--	--	--	--	--
MW-1	12/13/2017	20.51	--	--	--	7.32	13.19	--
MW-1	2/26/2018	20.51	--	--	--	7.62	12.89	--
MW-1	6/11/2018	20.51	--	--	--	8.77	11.74	--
MW-1	6/26/2018	20.51	--	--	--	9.32	11.19	--
MW-1	8/28/2018	20.51	---	---	---	10.55	9.96	--
MW-2	11/14/2011	20.29	--	--	--	8.71	11.58	--
MW-2	2/20/2012	20.29	--	--	--	7.35	12.94	--
MW-2	8/22/2012	20.29	--	--	--	9.39	10.90	--
MW-2	11/5/2012	20.29	--	--	--	7.71	12.58	--
MW-2	1/28/2013	20.29	--	--	--	7.61	12.68	--
MW-2	5/9/2013	20.29	--	--	--	7.99	12.30	--
MW-2	8/19/2013	20.29	--	--	--	10.22	10.07	--
MW-2	11/25/2013	20.29	--	--	--	7.76	12.53	--
MW-2	2/14/2014	20.29	--	--	--	7.46	12.83	--
MW-2	5/5/2014	20.29	--	--	--	6.72	13.57	--
MW-2	8/19/2014	20.29	--	--	--	8.93	11.36	--
MW-2	11/21/2014	20.29	--	--	--	7.45	12.84	--
MW-2	11/14/2016	20.29	--	--	--	7.30	12.99	--
MW-2	11/16/2016	20.29	--	--	--	--	--	--
MW-2	2/16/2017	20.29	--	--	--	6.96	13.33	--
MW-2	5/24/2017	20.29	--	--	--	7.59	12.70	--
MW-2	9/26/2017	20.29	--	--	--	9.55	10.74	--
MW-2	9/27/2017	20.29	--	--	--	--	--	--
MW-2	12/13/2017	20.29	--	--	--	7.46	12.83	--
MW-2	2/26/2018	20.29	--	--	--	7.51	12.78	--
MW-2	6/11/2018	20.29	--	--	--	8.56	11.73	--
MW-2	6/26/2018	20.29	--	--	--	9.18	11.11	--
MW-2	8/28/2018	20.29	---	---	---	10.08	10.21	--
MW-3	11/14/2011	21.21	--	--	--	8.91	12.30	--
MW-3	2/20/2012	21.21	--	--	--	6.09	15.12	--
MW-3	8/22/2012	21.21	--	--	--	10.30	10.91	--
MW-3	11/5/2012	21.21	--	--	--	7.30	13.91	--
MW-3	1/28/2013	21.21	--	--	--	6.10	15.11	--
MW-3	5/9/2013	21.21	--	--	--	7.09	14.12	--
MW-3	8/19/2013	21.21	--	--	--	10.99	10.22	--
MW-3	11/25/2013	21.21	--	--	--	7.15	14.06	--
MW-3	2/14/2014	21.21	--	--	--	6.68	14.53	--
MW-3	5/5/2014	21.21	--	--	--	6.02	15.19	--
MW-3	8/19/2014	21.21	--	--	--	9.71	11.50	--
MW-3	11/21/2014	21.21	--	--	--	7.00	14.21	--
MW-3	11/14/2016	21.21	--	--	--	6.00	15.21	--
MW-3	11/16/2016	21.21	--	--	--	--	--	--
MW-3	2/16/2017	21.21	--	--	--	4.75	16.46	--
MW-3	5/24/2017	21.21	--	--	--	6.50	14.71	--
MW-3	9/26/2017	21.21	--	--	--	10.08	11.13	--
MW-3	9/27/2017	21.21	--	--	--	--	--	--
MW-3	9/27/2017	21.21	--	--	--	--	--	--
MW-3	12/13/2017	21.21	--	--	--	5.74	15.47	--
MW-3	2/26/2018	21.21	--	--	--	5.86	15.35	--
MW-3	6/11/2018	21.21	--	--	--	8.94	12.27	--
MW-3	6/26/2018	21.21	--	--	--	9.85	11.36	--
MW-3	8/28/2018	21.21	---	---	---	10.81	10.40	--
MW-4	11/14/2011	20.44	--	--	--	8.31	12.13	--
MW-4	2/20/2012	20.44	--	--	--	7.28	13.16	--
MW-4	8/22/2012	20.44	--	--	--	9.41	11.03	--
MW-4	11/5/2012	20.44	--	--	--	7.52	12.92	--
MW-4	1/28/2013	20.44	--	--	--	7.29	13.15	--
MW-4	5/9/2013	20.44	--	--	--	7.97	12.47	--
MW-4	8/19/2013	20.44	--	--	--	10.11	10.33	--
MW-4	11/25/2013	20.44	--	--	--	7.56	12.88	--
MW-4	2/14/2014	20.44	--	--	--	6.29	14.15	--
MW-4	5/5/2014	20.44	--	--	--	4.91	15.53	--
MW-4	8/19/2014	20.44	--	--	--	8.68	11.76	--
MW-4	11/21/2014	20.44	--	--	--	7.12	13.32	--
MW-4	11/14/2016	20.44	--	--	--	4.72	15.72	--
MW-4	11/16/2016	20.44	--	--	--	--	--	--
MW-4	2/16/2017	20.44	--	--	--	3.95	16.49	--
MW-4	5/24/2017	20.44	--	--	--	5.87	14.57	--
MW-4	9/26/2017	20.44	--	--	--	9.13	11.31	--
MW-4	9/27/2017	20.44	--	--	--	--	--	--
MW-4	12/13/2017	20.44	--	--	--	4.92	15.52	--
MW-4	2/26/2018	20.44	--	--	--	5.02	15.42	--
MW-4	6/11/2018	20.44	--	--	--	8.34	12.10	--
MW-4	6/26/2018	20.44	--	--	--	8.83	11.61	--
MW-4	8/28/2018	20.44	---	---	---	10.02	10.42	--
MW-5	11/14/2011	21.32	--	--	--	9.02	12.30	--
MW-5	2/20/2012	21.32	--	--	--	8.21	13.11	--
MW-5	8/22/2012	21.32	--	--	--	10.29	11.03	--
MW-5	11/5/2012	21.32	--	--	--	8.60	12.72	--
MW-5	1/28/2013	21.32	--	--	--	8.45	12.87	--
MW-5	5/9/2013	21.32	--	--	--	8.97	12.35	--
MW-5	8/19/2013	21.32	--	--	--	10.98	10.34	--
MW-5	11/25/2013	21.32	--	--	--	8.59	12.73	--
MW-5	2/14/2014	21.32	--	--	--	7.04	14.28	--
MW-5	5/5/2014	21.32	--	--	--	7.60	13.72	--

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
MW-5	8/19/2014	21.32	--	--	--	9.58	11.74	--
MW-5	11/21/2014	21.32	--	--	--	8.20	13.12	--
MW-5	11/14/2016	21.32	--	--	--	7.92	13.40	--
MW-5	11/17/2016	21.32	--	--	--	--	--	--
MW-5	2/16/2017	21.32	--	--	--	7.10	14.22	--
MW-5	5/24/2017	21.32	--	--	--	8.27	13.05	--
MW-5	9/26/2017	21.32	--	--	--	9.98	11.34	--
MW-5	9/28/2017	21.32	--	--	--	--	--	--
MW-5	12/13/2017	21.32	--	--	--	7.92	13.40	--
MW-5	2/26/2018	21.32	--	--	--	8.04	13.28	--
MW-5	6/11/2018	21.32	--	--	--	9.14	12.18	--
MW-5	6/26/2018	21.32	--	--	--	9.68	11.64	--
MW-5	8/28/2018	21.32	---	---	---	10.83	10.49	--
MW-6	11/14/2011	22.30	--	--	--	10.30	12.00	--
MW-6	2/20/2012	22.30	--	--	--	9.36	12.94	--
MW-6	8/22/2012	22.30	--	--	--	11.30	11.00	--
MW-6	11/5/2012	22.30	--	--	--	9.68	12.62	--
MW-6	1/28/2013	22.30	--	--	--	9.63	12.67	--
MW-6	5/9/2013	22.30	--	--	--	10.09	12.21	--
MW-6	8/19/2013	22.30	--	--	--	11.95	10.35	--
MW-6	11/25/2013	22.30	--	--	--	9.71	12.59	--
MW-6	2/14/2014	22.30	--	--	--	9.13	13.17	--
MW-6	5/5/2014	22.30	--	--	--	8.64	13.66	--
MW-6	8/19/2014	22.30	--	--	--	10.54	11.76	--
MW-6	11/21/2014	22.30	--	--	--	9.28	13.02	--
MW-6	11/14/2016	22.30	--	--	--	9.06	13.24	--
MW-6	11/17/2016	22.30	--	--	--	--	--	--
MW-6	11/17/2016	22.30	--	--	--	--	--	--
MW-6	2/16/2017	22.30	--	--	--	8.23	14.07	--
MW-6	5/24/2017	22.30	--	--	--	9.38	12.92	--
MW-6	9/26/2017	22.30	--	--	--	10.87	11.43	--
MW-6	9/28/2017	22.30	--	--	--	--	--	--
MW-6	12/13/2017	22.30	--	--	--	9.01	13.29	--
MW-6	2/26/2018	22.30	--	--	--	9.21	13.09	--
MW-6	6/11/2018	22.30	--	--	--	10.18	12.12	--
MW-6	6/26/2018	22.30	--	--	--	10.67	11.63	--
MW-6	8/28/2018	22.30	---	---	---	11.82	10.48	--
MW-7	11/14/2011	22.10	--	--	--	10.21	11.89	--
MW-7	2/20/2012	22.10	--	--	--	8.96	13.14	--
MW-7	8/22/2012	22.10	--	--	--	11.07	11.03	--
MW-7	11/5/2012	22.10	--	--	--	9.51	12.59	--
MW-7	1/28/2013	22.10	--	--	--	9.12	12.98	--
MW-7	5/9/2013	22.10	--	--	--	9.53	12.57	--
MW-7	8/19/2013	22.10	--	--	--	11.63	10.47	--
MW-7	11/25/2013	22.10	--	--	--	9.32	12.78	--
MW-7	2/14/2014	22.10	--	--	--	8.81	13.29	--
MW-7	5/5/2014	22.10	--	--	--	8.22	13.88	--
MW-7	8/19/2014	22.10	--	--	--	10.48	11.62	--
MW-7	11/14/2016	22.10	--	--	--	8.77	13.33	--
MW-7	11/17/2016	22.10	--	--	--	--	--	--
MW-7	2/16/2017	22.10	--	--	--	7.37	14.73	--
MW-7	5/24/2017	22.10	--	--	--	9.02	13.08	--
MW-7	9/26/2017	22.10	--	--	--	11.67	10.43	--
MW-7	12/13/2017	22.10	--	--	--	8.32	13.78	--
MW-7	2/26/2018	22.10	--	--	--	8.86	13.24	--
MW-7	6/11/2018	22.10	--	--	--	10.17	11.93	--
MW-7	8/29/2018	22.10	---	---	---	11.80	10.30	--
MW-8	11/14/2011	21.54	--	--	--	9.59	11.95	--
MW-8	2/20/2012	21.54	--	--	--	8.39	13.15	--
MW-8	8/22/2012	21.54	--	--	--	10.50	11.04	--
MW-8	11/5/2012	21.54	--	--	--	9.00	12.54	--
MW-8	1/28/2013	21.54	--	--	--	8.78	12.76	--
MW-8	5/9/2013	21.54	--	--	--	9.29	12.25	--
MW-8	8/19/2013	21.54	--	--	--	11.22	10.32	--
MW-8	11/25/2013	21.54	--	--	--	8.95	12.59	--
MW-8	2/14/2014	21.54	--	--	--	8.41	13.13	--
MW-8	5/5/2014	21.54	--	--	--	7.80	13.74	--
MW-8	8/19/2014	21.54	--	--	--	9.88	11.66	--
MW-8	11/14/2016	21.54	--	--	--	7.71	13.83	--
MW-8	11/17/2016	21.54	--	--	--	--	--	--
MW-8	2/16/2017	21.54	--	--	--	7.41	14.13	--
MW-8	5/24/2017	21.54	--	--	--	8.46	13.08	--
MW-8	9/26/2017	21.54	--	--	--	10.91	10.63	--
MW-8	12/13/2017	21.54	--	--	--	8.23	13.31	--
MW-8	2/26/2018	21.54	--	--	--	8.36	13.18	--
MW-8	6/11/2018	21.54	--	--	--	9.47	12.07	--
MW-8	8/29/2018	21.54	---	---	---	11.20	10.34	--
MW-9	11/14/2011	20.82	--	--	--	8.47	12.35	--
MW-9	2/20/2012	20.82	--	--	--	5.90	14.92	--
MW-9	8/22/2012	20.82	--	--	--	7.56	13.26	--
MW-9	11/5/2012	20.82	--	--	--	7.68	13.14	--
MW-9	1/28/2013	20.82	--	--	--	6.45	14.37	--
MW-9	5/9/2013	20.82	--	--	--	7.04	13.78	--
MW-9	8/19/2013	20.82	--	--	--	8.72	12.10	--
MW-9	11/25/2013	20.82	--	--	--	7.54	13.28	--
MW-9	2/14/2014	20.82	--	--	--	6.41	14.41	--
MW-9	5/5/2014	20.82	--	--	--	5.91	14.91	--
MW-9	8/19/2014	20.82	--	--	--	8.44	12.38	--
MW-9	11/21/2014	20.82	--	--	--	6.79	14.03	--

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
MW-9	11/14/2016	20.82	--	--	--	6.55	14.27	--
MW-9	11/16/2016	20.82	--	--	--	--	--	--
MW-9	2/16/2017	20.82	--	--	--	5.34	15.48	--
MW-9	5/25/2017	20.82	--	--	--	5.23	15.59	--
MW-9	9/26/2017	20.82	--	--	--	8.49	12.33	--
MW-9	9/27/2017	20.82	--	--	--	--	--	--
MW-9	12/13/2017	20.82	--	--	--	5.12	15.70	--
MW-9	2/26/2018	20.82	--	--	--	5.22	15.60	--
MW-9	6/11/2018	20.82	--	--	--	7.10	13.72	--
MW-9	6/27/2018	20.82	--	--	--	7.65	13.17	--
MW-9	8/29/2018	20.82	---	---	---	8.81	12.01	--
MW-10	11/14/2011	21.12	--	--	--	9.76	11.36	--
MW-10	2/20/2012	21.12	--	--	--	8.39	12.73	--
MW-10	8/22/2012	21.12	--	--	--	10.49	10.63	--
MW-10	11/5/2012	21.12	--	--	--	8.86	12.26	--
MW-10	1/28/2013	21.12	--	--	--	8.91	12.21	--
MW-10	5/9/2013	21.12	--	--	--	9.46	11.66	--
MW-10	8/19/2013	21.12	--	--	--	11.29	9.83	--
MW-10	11/25/2013	21.12	--	--	--	9.05	12.07	--
MW-10	2/14/2014	21.12	--	--	--	8.39	12.73	--
MW-10	5/5/2014	21.12	--	--	--	7.73	13.39	--
MW-10	8/19/2014	21.12	--	--	--	10.07	11.05	--
MW-10	11/21/2014	21.12	--	--	--	8.81	12.31	--
MW-10	11/14/2016	21.12	--	--	--	7.31	13.81	--
MW-10	11/16/2016	21.12	--	--	--	--	--	--
MW-10	2/16/2017	21.12	--	--	--	5.85	15.27	--
MW-10	5/24/2017	21.12	--	--	--	8.78	12.34	--
MW-10	9/26/2017	21.12	--	--	--	10.59	10.53	--
MW-10	9/28/2017	21.12	--	--	--	--	--	--
MW-10	12/14/2017	21.12	--	--	--	8.52	12.60	--
MW-10	12/14/2017	21.12	--	--	--	8.52	12.60	--
MW-10	2/26/2018	21.12	--	--	--	8.51	12.61	--
MW-10	6/11/2018	21.12	--	--	--	9.75	11.37	--
MW-10	6/27/2018	21.12	--	--	--	10.56	10.56	--
MW-10	8/28/2018	21.12	---	---	---	11.00	10.12	--
MW-11	2/20/2012	16.80	--	--	--	3.98	12.82	--
MW-11	8/22/2012	16.80	--	--	--	6.31	10.49	--
MW-11	11/5/2012	16.80	--	--	--	4.75	12.05	--
MW-11	1/28/2013	16.80	--	--	--	4.26	12.54	--
MW-11	5/9/2013	16.80	--	--	--	5.12	11.68	--
MW-11	8/19/2013	16.80	--	--	--	6.89	9.91	--
MW-11	11/25/2013	16.80	--	--	--	4.52	12.28	--
MW-11	2/14/2014	16.80	--	--	--	3.99	12.81	--
MW-11	5/5/2014	16.80	--	--	--	3.21	13.59	--
MW-11	8/19/2014	16.80	--	--	--	5.69	11.11	--
MW-11	11/21/2014	16.80	--	--	--	4.65	12.15	--
MW-11	11/14/2016	16.80	--	--	--	3.88	12.92	--
MW-11	11/18/2016	16.80	--	--	--	--	--	--
MW-11	2/17/2017	16.80	--	--	--	3.45	13.35	--
MW-11	5/25/2017	16.80	--	--	--	4.38	12.42	--
MW-11	9/26/2017	16.80	--	--	--	6.20	10.60	--
MW-11	9/27/2017	16.80	--	--	--	--	--	--
MW-11	12/12/2017	16.80	--	--	--	4.75	12.05	--
MW-11	2/26/2018	16.80	--	--	--	4.38	12.42	--
MW-11	6/11/2018	16.80	--	--	--	5.62	11.18	--
MW-11	6/26/2018	16.80	--	--	--	5.99	10.81	--
MW-11	8/28/2018	16.80	---	---	---	6.66	10.14	--
MW-12	2/20/2012	19.59	--	--	--	7.52	12.07	--
MW-12	8/22/2012	19.59	--	--	--	8.71	10.88	--
MW-12	11/5/2012	19.59	--	--	--	7.16	12.43	--
MW-12	5/9/2013	19.59	--	--	--	7.69	11.90	--
MW-12	8/19/2013	19.59	--	--	--	9.41	10.18	--
MW-12	11/25/2013	19.59	--	--	--	7.27	12.32	--
MW-12	2/14/2014	19.59	--	--	--	6.51	13.08	--
MW-12	5/5/2014	19.59	--	--	--	5.96	13.63	--
MW-12	8/19/2014	19.59	--	--	--	8.18	11.41	--
MW-12	11/21/2014	19.59	--	--	--	7.11	12.48	--
MW-12	11/14/2016	19.59	--	--	--	4.28	15.31	--
MW-12	11/18/2016	19.59	--	--	--	--	--	--
MW-12	2/17/2017	19.59	--	--	--	5.87	13.72	--
MW-12	2/17/2017	19.59	--	--	--	5.87	13.72	--
MW-12	5/25/2017	19.59	--	--	--	6.87	12.72	--
MW-12	9/26/2017	19.59	--	--	--	8.60	10.99	--
MW-12	9/27/2017	19.59	--	--	--	--	--	--
MW-12	12/12/2017	19.59	--	--	--	6.21	13.38	--
MW-12	2/26/2018	19.59	--	--	--	6.83	12.76	--
MW-12	6/11/2018	19.59	--	--	--	7.88	11.71	--
MW-12	6/26/2018	19.59	--	--	--	8.46	11.13	--
MW-12	8/28/2018	19.59	---	---	---	9.30	10.29	--
MW-13	2/20/2012	21.24	--	--	--	5.51	15.73	--
MW-13	8/22/2012	21.24	--	--	--	10.00	11.24	--
MW-13	11/5/2012	21.24	--	--	--	8.35	12.89	--
MW-13	1/28/2013	21.24	--	--	--	5.74	15.50	--
MW-13	5/9/2013	21.24	--	--	--	8.76	12.48	--
MW-13	8/19/2013	21.24	--	--	--	10.78	10.46	--
MW-13	11/25/2013	21.24	--	--	--	7.90	13.34	--
MW-13	2/14/2014	21.24	--	--	--	5.36	15.88	--
MW-13	5/5/2014	21.24	--	--	--	4.73	16.51	--
MW-13	8/19/2014	21.24	--	--	--	9.49	11.75	--

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
MW-13	11/21/2014	21.24	--	--	--	5.71	15.53	--
MW-13	11/14/2016	21.24	--	--	--	4.92	16.32	--
MW-13	11/17/2016	21.24	--	--	--	--	--	--
MW-13	2/16/2017	21.24	--	--	--	3.74	17.50	--
MW-13	5/25/2017	21.24	--	--	--	5.40	15.84	--
MW-13	9/26/2017	21.24	--	--	--	9.77	11.47	--
MW-13	9/27/2017	21.24	--	--	--	--	--	--
MW-13	12/13/2017	21.24	--	--	--	4.62	16.62	--
MW-13	2/26/2018	21.24	--	--	--	5.27	15.97	--
MW-13	6/11/2018	21.24	--	--	--	8.97	12.27	--
MW-13	6/26/2018	21.24	--	--	--	9.77	11.47	--
MW-13	8/28/2018	21.24	---	---	---	10.88	10.36	--
MW-14	11/14/2011	21.54	--	--	--	9.66	11.88	--
MW-14	2/20/2012	21.54	--	--	--	8.33	13.21	--
MW-14	8/22/2012	21.54	--	--	--	10.36	11.18	--
MW-14	11/5/2012	21.54	--	--	--	8.98	12.56	--
MW-14	1/28/2013	21.54	--	--	--	8.75	12.79	--
MW-14	5/9/2013	21.54	--	--	--	9.19	12.35	--
MW-14	8/19/2013	21.54	--	--	--	11.09	10.45	--
MW-14	11/25/2013	21.54	--	--	--	8.86	12.68	--
MW-14	2/14/2014	21.54	--	--	--	8.28	13.26	--
MW-14	5/5/2014	21.54	--	--	--	7.61	13.93	--
MW-14	8/19/2014	21.54	--	--	--	9.86	11.68	--
MW-14	11/21/2014	21.54	--	--	--	8.32	13.22	--
MW-14	11/14/2016	21.54	--	--	--	9.65	11.89	--
MW-14	11/17/2016	21.54	--	--	--	--	--	--
MW-14	2/16/2017	21.54	--	--	--	7.70	13.84	--
MW-14	5/25/2017	21.54	--	--	--	8.35	13.19	--
MW-14	9/26/2017	21.54	--	--	--	10.10	11.44	--
MW-14	12/14/2017	21.54	--	--	--	8.10	13.44	--
MW-14	2/26/2018	21.54	--	--	--	8.13	13.41	--
MW-14	6/11/2018	21.54	--	--	--	9.38	12.16	--
MW-14	8/28/2018	21.54	---	---	---	11.54	10.00	--
MW-15	11/14/2011	20.52	--	--	--	8.71	11.81	--
MW-15	2/20/2012	20.52	--	--	--	6.83	13.69	--
MW-15	8/22/2012	20.52	--	--	--	9.46	11.06	--
MW-15	11/5/2012	20.52	--	--	--	7.83	12.69	--
MW-15	1/28/2013	20.52	--	--	--	8.42	12.10	--
MW-15	5/9/2013	20.52	--	--	--	8.14	12.38	--
MW-15	8/19/2013	20.52	--	--	--	10.38	10.14	--
MW-15	11/25/2013	20.52	--	--	--	7.76	12.76	--
MW-15	2/14/2014	20.52	--	--	--	6.75	13.77	--
MW-15	5/5/2014	20.52	--	--	--	5.79	14.73	--
MW-15	8/19/2014	20.52	--	--	--	9.92	10.60	--
MW-15	11/21/2014	20.52	--	--	--	7.21	13.31	--
MW-15	11/14/2016	20.52	--	--	--	6.44	14.08	--
MW-15	11/18/2016	20.52	--	--	--	--	--	--
MW-15	2/17/2017	20.52	--	--	--	5.52	15.00	--
MW-15	5/26/2017	20.52	--	--	--	6.95	13.57	--
MW-15	9/26/2017	20.52	--	--	--	9.55	10.97	--
MW-15	9/28/2017	20.52	--	--	--	--	--	--
MW-15	12/14/2017	20.52	--	--	--	6.92	13.60	--
MW-15	2/26/2018	20.52	--	--	--	7.61	12.91	--
MW-15	6/11/2018	20.52	--	--	--	8.29	12.23	--
MW-15	6/27/2018	20.52	--	--	--	8.87	11.65	--
MW-15	8/29/2018	20.52	---	---	---	9.91	10.61	--
MW-16	2/20/2012	21.24	--	--	--	8.23	13.01	--
MW-16	8/22/2012	21.24	--	--	--	10.63	10.61	--
MW-16	11/5/2012	21.24	--	--	--	8.61	12.63	--
MW-16	1/28/2013	21.24	--	--	--	8.54	12.70	--
MW-16	5/9/2013	21.24	--	--	--	8.97	12.27	--
MW-16	8/19/2013	21.24	--	--	--	10.85	10.39	--
MW-16	11/25/2013	21.24	--	--	--	8.54	12.70	--
MW-16	2/14/2014	21.24	--	--	--	6.72	14.52	--
MW-16	5/5/2014	21.24	--	--	--	6.61	14.63	--
MW-16	8/19/2014	21.24	--	--	--	9.55	11.69	--
MW-16	11/21/2014	21.24	--	--	--	8.12	13.12	--
MW-16	11/14/2016	21.24	--	--	--	7.01	14.23	--
MW-16	11/17/2016	21.24	--	--	--	--	--	--
MW-16	2/17/2017	21.24	--	--	--	4.11	17.13	--
MW-16	5/25/2017	21.24	--	--	--	6.89	14.35	--
MW-16	9/26/2017	21.24	--	--	--	9.41	11.83	--
MW-16	9/27/2017	21.24	--	--	--	--	--	--
MW-16	12/13/2017	21.24	--	--	--	6.26	14.98	--
MW-16	2/26/2018	21.24	--	--	--	7.21	14.03	--
MW-16	6/11/2018	21.24	--	--	--	8.88	12.36	--
MW-16	6/26/2018	21.24	--	--	--	9.48	11.76	--
MW-16	8/28/2018	21.24	---	---	---	10.67	10.57	--
MW-17	8/22/2012	13.34	--	--	--	2.77	10.57	--
MW-17	11/5/2012	13.34	--	--	--	0.18	13.16	--
MW-17	1/28/2013	13.34	--	--	--	1.31	12.03	--
MW-17	5/9/2013	13.34	--	--	--	1.88	11.46	--
MW-17	8/19/2013	13.34	--	--	--	3.59	9.75	--
MW-17	11/25/2013	13.34	--	--	--	1.49	11.85	--
MW-17	2/14/2014	13.34	--	--	--	0.80	12.54	--
MW-17	5/5/2014	13.34	--	--	--	0.00	13.34	--
MW-17	8/19/2014	13.34	--	--	--	2.41	10.93	--
MW-17	11/21/2014	13.34	--	--	--	1.43	11.91	--
MW-17	11/14/2016	13.34	--	--	--	0.75	12.59	--

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
MW-17	11/18/2016	13.34	--	--	--	--	--	--
MW-17	2/16/2017	13.34	--	--	--	3.00	10.34	--
MW-17	5/25/2017	13.34	--	--	--	1.27	12.07	--
MW-17	9/26/2017	13.34	--	--	--	2.94	10.40	--
MW-17	9/27/2017	13.34	--	--	--	--	--	--
MW-17	12/12/2017	13.34	--	--	--	1.11	12.23	--
MW-17	2/26/2018	13.34	--	--	--	1.08	12.26	--
MW-17	6/11/2018	13.34	--	--	--	2.21	11.13	--
MW-17	6/26/2018	13.34	--	--	--	2.69	10.65	--
MW-17	8/28/2018	13.34	---	---	---	3.31	10.03	--
DW-1	11/14/2011	20.69	--	--	--	8.91	11.78	--
DW-1	2/20/2012	20.69	--	--	--	7.76	12.93	--
DW-1	8/22/2012	20.69	--	--	--	9.79	10.90	--
DW-1	11/5/2012	20.69	--	--	--	8.12	12.57	--
DW-1	1/28/2013	20.69	--	--	--	8.06	12.63	--
DW-1	5/9/2013	20.69	--	--	--	8.46	12.23	--
DW-1	8/19/2013	20.69	--	--	--	10.66	10.03	--
DW-1	11/25/2013	20.69	--	--	--	8.19	12.50	--
DW-1	2/14/2014	20.69	--	--	--	7.86	12.83	--
DW-1	5/5/2014	20.69	--	--	--	7.13	13.56	--
DW-1	8/19/2014	20.69	--	--	--	9.35	11.34	--
DW-1	11/21/2014	20.69	--	--	--	7.84	12.85	--
DW-2	11/14/2011	21.36	--	--	--	9.79	11.57	--
DW-2	2/20/2012	21.36	--	--	--	8.40	12.96	--
DW-2	8/22/2012	21.36	--	--	--	10.45	10.91	--
DW-2	11/5/2012	21.36	--	--	--	8.96	12.40	--
DW-2	1/28/2013	21.36	--	--	--	8.87	12.49	--
DW-2	5/9/2013	21.36	--	--	--	9.36	12.00	--
DW-2	8/19/2013	21.36	--	--	--	10.36	11.00	--
DW-2	11/25/2013	21.36	--	--	--	9.96	11.40	--
DW-2	2/14/2014	21.36	--	--	--	8.41	12.95	--
DW-2	5/5/2014	21.36	--	--	--	8.00	13.36	--
DW-2	8/19/2014	21.36	--	--	--	10.12	11.24	--
DW-2	11/21/2014	21.36	--	--	--	9.21	12.15	--
DW-3	11/14/2011	21.75	--	--	--	10.26	11.49	--
DW-3	2/20/2012	21.75	--	--	--	8.95	12.80	--
DW-3	8/22/2012	21.75	--	--	--	11.01	10.74	--
DW-3	11/5/2012	21.75	--	--	--	9.38	12.37	--
DW-3	1/28/2013	21.75	--	--	--	9.39	12.36	--
DW-3	5/9/2013	21.75	--	--	--	9.87	11.88	--
DW-3	8/19/2013	21.75	--	--	--	11.88	9.87	--
DW-3	11/25/2013	21.75	--	--	--	9.49	12.26	--
DW-3	2/14/2014	21.75	--	--	--	9.00	12.75	--
DW-3	5/5/2014	21.75	--	--	--	8.31	13.44	--
DW-3	11/21/2014	21.75	--	--	--	9.29	12.46	--
DW-4	8/22/2012	16.61	--	--	--	5.91	10.70	--
DW-4	11/5/2012	16.61	--	--	--	4.08	12.53	--
DW-4	1/28/2013	16.61	--	--	--	4.69	11.92	--
DW-4	5/9/2013	16.61	--	--	--	4.69	11.92	--
DW-4	8/19/2013	16.61	--	--	--	6.39	10.22	--
DW-4	11/25/2013	16.61	--	--	--	4.41	12.20	--
DW-4	2/14/2014	16.61	--	--	--	3.66	12.95	--
DW-4	5/5/2014	16.61	--	--	--	2.94	13.67	--
DW-4	8/19/2014	16.61	--	--	--	5.44	11.17	--
DW-4	11/21/2014	16.61	--	--	--	4.35	12.26	--
BR-1	11/5/2012	19.55	--	--	--	8.18	11.37	--
BR-1	1/28/2013	19.55	--	--	--	9.60	9.95	--
BR-1	5/9/2013	19.55	--	--	--	10.80	8.75	--
BR-1	8/19/2013	19.55	--	--	--	10.96	8.59	--
BR-1	11/25/2013	19.55	--	--	--	10.03	9.52	--
BR-1	2/14/2014	19.55	--	--	--	7.42	12.13	--
BR-1	5/5/2014	19.55	--	--	--	5.88	13.67	--
BR-1	8/19/2014	19.55	--	--	--	10.58	8.97	--
BR-1	11/21/2014	19.55	--	--	--	9.69	9.86	--
BR-2	11/5/2012	18.08	--	--	--	6.73	11.35	--
BR-2	1/28/2013	18.08	--	--	--	8.02	10.06	--
BR-2	5/9/2013	18.08	--	--	--	9.33	8.75	--
BR-2	8/19/2013	18.08	--	--	--	9.42	8.66	--
BR-2	11/25/2013	18.08	--	--	--	8.55	9.53	--
BR-2	2/14/2014	18.08	--	--	--	6.04	12.04	--
BR-2	5/5/2014	18.08	--	--	--	4.44	13.64	--
BR-2	8/19/2014	18.08	--	--	--	9.05	9.03	--
BR-2	11/21/2014	18.08	--	--	--	7.61	10.47	--
WS-1	1/28/2013	12.24	--	--	DRY	--	--	--
WS-1	5/9/2013	12.24	--	--	DRY	--	--	--
WS-1	8/19/2013	12.24	--	--	DRY	--	--	--
WS-1	11/25/2013	12.24	--	--	DRY	--	--	--
WS-1	2/14/2014	12.24	--	--	--	0.73	12.97	--
WS-1	5/5/2014	12.24	--	--	--	2.30	14.54	--
WS-1	8/19/2014	12.24	--	--	DRY	--	--	--
WS-1	11/21/2014	12.24	--	--	DRY	--	--	--
WS-2		12.03	--	--	--	--	--	--
WS-2	1/28/2013	12.03	--	--	DRY	--	--	--
WS-2	5/9/2013	12.03	--	--	DRY	--	--	--
WS-2	8/19/2013	12.03	--	--	DRY	--	--	--

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
WS-2	11/25/2013	12.03	--	--	--	0.075	12.11	--
WS-2	2/14/2014	12.03	--	--	--	1.275	13.31	--
WS-2	5/5/2014	12.03	--	--	--	2.55	14.58	--
WS-2	8/19/2014	12.03	--	--	DRY			
WS-2	11/21/2014	12.03	--	--	DRY			
WS-3		14.11						
WS-3	1/28/2013	14.11	--	--	--	2.13	16.24	--
WS-3	5/9/2013	14.11	--	--	--	1.05	15.16	--
WS-3	8/19/2013	14.11	--	--	DRY			
WS-3	11/25/2013	14.11	--	--	--	1.05	15.16	--
WS-3	2/14/2014	14.11	--	--	--	1.53	15.64	--
WS-3	5/5/2014	14.11	--	--	--	2.20	16.31	--
WS-3	8/19/2014	14.11	--	--	DRY			
WS-3	11/21/2014	14.11	--	--	--	1.15	12.96	--
WS-4		14.92						
WS-4	5/9/2013	14.92	--	--	--	0.25	15.17	--
WS-4	8/19/2013	14.92	--	--	DRY			
WS-4	2/14/2014	14.92	--	--	--	0.68	15.60	--
WS-4	5/5/2014	14.92	--	--	--	1.38	16.30	--
WS-4	8/19/2014	14.92	--	--	DRY			
WS-4	11/21/2014	14.92	--	--	--	0.39	14.53	--
TW-1	5/9/2013	21.4	--	--	--	9.33	12.07	--
TW-1	8/19/2013	21.4	--	--	--	11.07	10.33	--
TW-1	11/25/2013	21.4	--	--	--	8.83	12.57	--
TW-1	2/14/2014	21.4	--	--	--	8.23	13.17	--
TW-1	5/5/2014	21.4	--	--	--	7.52	13.88	--
TW-1	8/19/2014	21.4	--	--	--	9.91	11.49	--
TW-2	5/9/2013	21.19	7.2		0.33	7.53	13.91	--
TW-2	8/19/2013	21.19	8.03		0.39	8.42	13.06	--
TW-2	11/25/2013	21.19	8.1		0.27	8.37	13.02	--
TW-2	2/14/2014	21.19	--	--	--	8.12	13.07	--
TW-2	5/5/2014	21.19	6.04	15.15	0.87	6.91	14.93	--
TW-2	8/19/2014	21.19	7.93	13.26	0.33	8.26	13.18	--
TW-3	5/9/2013	21.2	--	--	--	9.35	11.85	--
TW-3	8/19/2013	21.2	--	--	--	11.09	10.11	--
TW-3	11/25/2013	21.2	--	--	--	8.88	12.32	--
TW-3	2/14/2014	21.2	--	--	--	7.31	13.89	--
TW-3	5/5/2014	21.2	--	--	--	7.52	13.68	--
TW-3	8/19/2014	21.2	--	--	--	9.89	11.31	--
TW-4	5/9/2013	21.27	--	--	--	8.49	12.78	--
TW-4	8/19/2013	21.27	--	--	--	9.16	12.11	--
TW-4	11/25/2013	21.27	--	--	--	8.34	12.93	--
TW-4	2/14/2014	21.27	--	--	--	7.19	14.08	--
TW-4	5/5/2014	21.27	--	--	--	5.42	15.85	--
TW-4	8/19/2014	21.27	--	--	--	8.65	12.62	--
TW-5	5/9/2013	21.35	--	--	--	9.34	12.01	--
TW-5	8/19/2013	21.35	--	--	--	11.29	10.06	--
TW-5	11/25/2013	21.35	--	--	--	9.01	12.34	--
TW-5	2/14/2014	21.35	--	--	--	8.45	12.90	--
TW-5	5/5/2014	21.35	--	--	--	7.69	13.66	--
TW-5	8/19/2014	21.35	--	--	--	10.05	11.30	--
TW-6	5/9/2013	21.35	8.32		0.08	8.40	13.01	--
TW-6	8/19/2013	21.35	--	--	--	8.98	12.37	--
TW-6	11/25/2013	21.35	8.29		0.27	8.56	12.99	--
TW-6	2/14/2014	21.35	7.9		0.64	8.54	13.29	--
TW-6	5/5/2014	21.35	7.39	13.96	1.09	8.48	13.69	--
TW-6	8/19/2014	21.35	--	--	--	8.58	12.77	--
TW-7	5/9/2013	21.31	--	--	--	9.39	11.92	--
TW-7	8/19/2013	21.31	--	--	--	11.23	10.08	--
TW-7	11/25/2013	21.31	--	--	--	8.91	12.40	--
TW-7	2/14/2014	21.31	--	--	--	8.41	12.90	--
TW-7	5/5/2014	21.31	--	--	--	7.91	13.40	--
TW-7	8/19/2014	21.31	--	--	--	10.00	11.31	--
TW-8	5/9/2013	21.36	--	--	--	8.22	13.14	--
TW-8	8/19/2013	21.36	--	--	--	8.66	12.70	--
TW-8	11/25/2013	21.36	--	--	--	8.68	12.68	--
TW-8	2/14/2014	21.36	--	--	--	8.03	13.33	--
TW-8	5/5/2014	21.36	--	--	--	6.69	14.67	--
TW-8	8/19/2014	21.36	--	--	--	8.29	13.07	--
AS-1	5/9/2013	21.24	--	--	--	9.34	11.90	--
AS-1	8/19/2013	21.24	--	--	--	11.28	9.96	--
AS-1	11/25/2013	21.24	--	--	--	8.98	12.26	--
AS-1	2/14/2014	21.24	--	--	--	8.46	12.78	--
AS-1	5/5/2014	21.24	--	--	--	7.63	13.61	--
AS-1	8/19/2014	21.24	--	--	--	10.01	11.23	--
EX-1	5/9/2013	21.54	8.57	--	1.46	10.03	12.61	--
EX-1	8/19/2013	21.54	10.41	--	0.71	11.12	10.95	--
EX-1	11/25/2013	21.54	8.39	--	1.57	9.96	12.76	--
EX-1	2/14/2014	21.54	7.76	--	2.22	9.98	13.23	--
EX-1	5/5/2014	21.54	7.3	14.24	2.78	10.08	13.55	--
EX-1	8/19/2014	21.54	9.86	11.68	0.41	10.27	11.58	--

Table 5
Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
EX-1	7/11/2016	--	9.05	--	0.55	9.60	--	--
EX-1	7/11/2017	--	7.8	--	1.91	9.71	--	--
EX-1	12/11/2017	21.54	4.92	16.62	4.72	9.64	15.68	--
EX-1	2/26/2018	21.54	--	--	--	--	--	--
EX-1	6/11/2018	21.54	8.75	12.79	0.63	9.38	12.66	--
P-1	5/9/2013	21.47	8.76	--	0.07	8.83	12.69	--
P-1	8/19/2013	21.47	10.38	--	0.41	10.79	10.99	--
P-1	11/25/2013	21.47	8.57	--	0.21	8.78	12.85	--
P-1	2/14/2014	21.47	7.89	--	1.36	9.25	13.24	--
P-1	5/5/2014	21.47	7.3	14.17	2.46	9.76	13.56	--
P-1	8/19/2014	21.47	9.79	11.68	0.42	10.21	11.58	--
P-1	11/14/2016	21.47	--	--	--	9.36	12.11	--
P-1	2/16/2017	21.47	6.19	15.28	3.31	9.50	14.62	--
P-1	5/24/2017	21.47	8.33	13.14	1.08	9.41	12.92	--
P-1	9/26/2017	21.47	10.15	11.32	0.87	11.02	11.15	--
P-1	12/11/2017	21.47	7.65	13.82	1.49	9.14	13.52	--
P-1	2/26/2018	21.47	8.8	12.67	0.62	9.42	12.55	--
P-1	6/11/2018	21.47	9.20	12.27	0.48	9.68	12.17	--
P-1	8/27/2018	21.47	---	---	---	11.09	10.38	--
P-2	5/9/2013	21.6	8.65	--	1.32	9.97	12.62	--
P-2	8/19/2013	21.6	10.22	--	1.99	12.21	10.88	--
P-2	11/25/2013	21.6	8.46	--	1.4	9.86	12.79	--
P-2	2/14/2014	21.6	7.97	--	1.48	9.45	13.26	--
P-2	5/5/2014	21.6	7.55	14.05	1.87	9.42	13.58	--
P-2	8/19/2014	21.6	9.66	11.94	1.65	11.31	11.53	--
P-2	11/14/2016	21.60	7.71	13.89	1.89	9.60	13.51	--
P-2	2/16/2017	21.60	6.78	14.82	2.27	9.05	14.37	--
P-2	5/24/2017	21.60	7.73	13.87	1.75	9.48	13.52	--
P-2	9/26/2017	21.60	10.32	11.28	1.25	11.57	11.03	--
P-2	12/11/2017	21.60	8.5	13.1	0.61	9.11	12.98	--
P-2	2/26/2018	21.60	9.15	12.45	0.68	9.83	12.31	--
P-2	6/11/2018	21.60	9.60	12	0.97	10.57	11.81	--
P-2	8/27/2018	21.60	10.61	10.99	1.76	12.37	10.64	--

Notes:
All measurement are recorded in feet.
-- = Not Applicable, no data
NM = Not Measured
Groundwater elevations adjusted for the presence of separate phase hydrocarbons using a factor of 0.73

Table 6

**Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Sample Location CA Method A Screening Levels:	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
HB-1	12/7/1993	61	--	--	<0.50	<0.50	0.14	0.12	--	--
HB-2	12/7/1993	68	--	--	0.092	<0.50	0.17	0.13	--	--
R-1	9/17/1997	3,360,000	206,000	23,500	7,620	3,460	1,460	9,460	--	--
W-1	5/23/2000	190,000	160,000	<100,000	34,000	42,000	3,600	23,000	--	--
W-1	5/24/2001	LPH Encountered								
W-1	6/5/2002	130,000	79,000	<9,400	17,000	27,000	2,700	19,000	--	--
W-1	11/25/2002	155,000	16.7	0.500	17,600	24,800	2,950	19,500	--	--
W-1	5/29/2003	170,000	79,000	<4,800	20,000	25,000	3,400	23,000	--	--
W-1	6/16/2004	LPH Encountered								
W-1	6/20/2005	93,000	120,000	<11,000	12,000	13,000	1,600	12,000	--	--
W-1	6/7/2006	69,500	7,500	337	8,680	6,260	726	8,240	--	--
W-1	10/23/2006	91,700	9,070	<183	14,500	8,400	2,420	20,800	--	--
W-1	3/14/2007	70,300	16,100	<740	8,920	2,800	1,010	17,600	--	--
W-1 (DUP)	3/14/2007	63,200	11,000	<370	9,340	3,010	1,130	19,200	--	--
W-1	9/11/2007	Insufficient Groundwater to Sample								
W-1	6/4/2008	81,900	23,900	1,370	14,600	697	1,510	17,100	--	--
W-1	8/25/2008	Insufficient Groundwater to Sample								
W-1	3/24/2010	76,400	2,510	<381	22,300	7,190	2,640	16,900	6.9	<250
W-1	8/27/2010	56,200	8,170	<400	16,500	2,550	2,270	14,400	<1.0	<250
W-1	2/9/2011	74,200	2,960	<377	12,000	1,210	1,650	13,700	58.7	--
W-1	5/24/2011	80,400	2,800	<450	11,400	1,570	1,670	15,500	74	--
W-1	8/16/2011	58,400	184,000	<6700	16,300	804	1,600	16,000	25.4 J	--
W-1	2/23/2012	179,000	2,700	<380	9,850	530	2,120	41,600	13.7	--
W-1	5/10/2012	46,600	10,000	<380	6,310	158	936	11,700	50.9	--
W-1	8/24/2012	51,500¹⁰	1,600	<380	3,550	280	266	10,300	25.4	--
W-1	1/31/2013	29,400	10,300	<430	5,350	91	197	5,470	<50.0	--
W-1	4/30/2013	51,800	1,200 J	<200	7,040	208	505	9,270	60.4	--
W-1 (DUP)	4/30/2013	50,800	2,200 J	<200	7,220	191	477	9,320	50.9	--
W-1	11/19/2013	34,000	3,700	<400	5,650	83.4	652	6,410	<50.0	--
W-1	2/5/2014	29,600	4,300	<400	3,190	30.3	274	3,650	37	--
W-1	5/6/2014	39,000	4,400	<28	4,930	163	552	4,630	<3.4	--
W-1 (DUP)	5/6/2014	36,600	4,200	<29	4,730	166	551	4,850	<8.4	--
W-2	9/18/1997	393,000	85,200	19,200	19,400	11,700	3,550	18,000	--	--
W-2	7/29/1999	110,000	36,000	<10,000	12,000	11,000	1,900	13,000	--	--
W-2	5/23/2000	85,000	50,000	<20,000	15,000	19,000	1,500	10,000	--	--
W-2	5/24/2001	25,000	30,000	13,000	7,600	3,000	420	4,400	--	--
W-2	6/5/2002	LPH Encountered								
W-2	11/25/2002	104,000	14.7	1.91	15,300	15,800	1,960	11,700	--	--
W-2	5/28/2003	98,000	28,000	7,800J	16,000	15,000	2,200	12,000	--	--
W-2	6/15/2004	85,000	460,000	<50,000	21,000	5,700	2,800	8,700	--	--
W-2	6/22/2005	50,000	73,000	<4,000	11,000	2,000	1,800	6,900	--	--
W-2	6/6/2006	34,400	5,880	283Ju	6,640	1,660	464	4,760	--	--
W-2	10/23/2006	53,000	5,800	<183	12,500	3,470	1,710	8,220	--	--
W-2 (DUP)	10/23/2006	60,800	5,890	<183	12,000	2,840	1,650	7,420	--	--
W-2	3/14/2007	51,800	12,400	<370	9,060	1,840	2,010	10,500	--	--
W-2	9/11/2007	42,900	5,780	<100	14,000	572	1,610	3,040	--	--
W-2	6/3/2008	51,900	46,300	3,330J	15,100	215	2,250	3,510	--	--
W-2	8/27/2008	49,000¹	5,050^{1,3}	363¹	18,700¹	147¹	1,970¹	3,630¹	24¹	74.4¹
W-2	3/23/2010	48,300	2,150	<381	14,100	691	3,090	10,400	6.1	<250
W-2	8/27/2010	30,700	4,570	502	12,500	253	2,730	7,580	10.8	<250
W-2	2/9/2011	11,500	19,200	3,530	9,010	74.4	2,090	3,820	10.7	--
W-2	8/15/2011	13,400	940	<380	10,200	169 J	1,110	1,180	19.5 J	--
W-2	3/1/2012	57,500	1,900	<380	18,500	--	5,330	3,050	--	--
W-2	8/29/2012	21,900¹⁰	1,500	<380	9,590	406	2,070	1,740	12.6	--
W-2	2/4/2013	16,800	3,200	<440	10,200	116	2,050	1,500	<50.0	--
W-2	8/13/2013	21,300	3,400	540	10,100	70.4 J	1,720	766	<50.0	--

Table 6

**Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Sample Location CA Method A Screening Levels:	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
W-2	2/12/2014	27,100	2,700	450	6,730	89.6	2,330	1,070	<25.0	--
W-3	4/14/1993	91,000	--	--	2,000	4,800	2,700	15,000	--	--
W-3	12/15/1993	45,000	--	--	670	1,300	580	8,300	--	--
W-3	11/4/1994	39,000	--	--	520	190	630	5,100	--	--
W-3	9/17/1997	105,000	15,000	<500	2,820	8,730	1,570	11,500	--	--
W-3	4/29/1998	54,000	18,000	<5,000	920	850	2,000	10,000	--	--
W-3	7/30/1999	48,000	48,000	<10,000	2,900	1,900	1,800	6,900	--	--
W-3	5/23/2000	34,000	19,000	<10,000	910	180	1,400	4,900	--	--
W-3	5/22/2001	19,000	28,000	<10,000	890	36	1,100	2,200	--	--
W-3	6/4/2002	17,000	36,000	<4,800	1,900	45	640	2,300	--	--
W-3	11/26/2002	14,100	4.89	0.500	455	156	463	1,570	--	--
W-3	5/28/2003	16,000	55,000	<4,800	500	32	600	740	--	--
W-3	6/16/2004	LPH Encountered								
W-3	6/21/2005	9,100	10,000	<980	790	15	470	490	--	--
W-3	6/6/2006	13,400	3,090	153u	1,880	25.1	640	821	--	--
W-3	10/24/2006	12,200	2,300	<35.2	933	21.3	293	638	--	--
W-3 (DUP)	10/24/2006	9,520	2,050	<36.9	877	18.3	301	535	--	--
W-3	3/14/2007	9,370	2,200	<185	687	18.9	286	446	--	--
W-3	9/12/2007	9,180	2,940	40.0J	614	13.1	397	437	--	--
W-3	6/4/2008	13,000	2,210	46.9J	727	149	576	724	--	--
W-3 (DUP)	6/4/2008	12,400	1,980	42.2J	753	230	519	686	--	--
W-3	8/26/2008	14,600 ¹	3,240 ^{1,3}	46.8 ¹	763 ¹	176	564	1,450 ¹	0.42 ¹	74.4 ¹
W-3	3/25/2010	67.9	<76.9	<385	3.1	<1.0	5.0	<3.0	<1.0	<250
W-3 (DUP)	3/25/2010	322	<76.9	<385	11.3	<1.0	33.3	5.5	<1.0	<250
W-3 (DUP)	3/25/2010	272	<78.4	<392	11.9	<1.0	34.3	5.6	<1.0	<250
W-3	8/27/2010	Insufficient Groundwater to Sample								
W-4	4/14/1993	130,000	--	--	2,600	7,800	2,800	20,000	--	--
W-4	12/15/1993	180,000	--	--	3,200	2,700	11,000	18,000	--	--
W-4	9/17/1997	114,000	276,000	<500	1,750	<100	1,480	8,490	--	--
W-4	4/29/1998	84,000	250,000	<20,000	2,400	120	1,600	8,000	--	--
W-4	7/30/1999	53,000	42,000	<10,000	2,100	100	1,900	6,300	--	--
W-4	5/23/2001	LPH Encountered								
W-4	6/4/2002	35,000	59,000	6,800J	2,300	32	1,800	3,500	--	--
W-4	11/25/2002	39,900	19.2	0.648	1,830	38.2	2,550	4,220	--	--
W-4	5/28/2003	32,000	26,000	1,600J	800	22	1,500	1,000	--	--
W-4	6/15/2004	LPH Encountered								
W-4	6/21/2005	23,000	110,000	<19,000	1,200	11	1,400	200	--	--
W-4	6/6/2006	9,180	4,620	411	1,230	18.4	1,010	67.4	--	--
W-4	10/24/2006	17,200	5,570	<70.5	1,520	8.34	1,490	18.9	--	--
W-4	3/14/2007	10,100	4,820	<185	422	11.0	456	148	--	--
W-4	9/12/2007	Insufficient Groundwater to Sample								
W-4	6/4/2008	10,600	4,870	110J	941	34.3	714	58.0	--	--
W-4	8/26/2008	11,700 ¹	15,100 ^{1,4}	1,810 ^{1,4}	1,370 ¹	20.1 ¹	750 ¹	39.5 ¹	1.21 ¹	74.4 ¹
W-4	3/24/2010	1,940	256	<385	212	16.3	139	182	<1.0	<250
W-4	8/27/2010	Insufficient Groundwater to Sample								
B-1	4/14/1993	18,000	--	--	1,300	17	450	2,200	--	--
B-1	12/15/1993	7,800	--	--	590	76	15	370	--	--
B-1	9/17/1997	475	9,980	25,500	84.6	2.63	6.43	21.8	--	--
B-1	5/1/1998	560	5,500	13,000	300	10	24	94	--	--
B-1	5/23/2000	1,800	23,000	52,000	1,000	14	170	160	--	--
B-1	5/24/2001	2,800	5,500	6,300	1,300	25	410	220	--	--
B-1	6/5/2002	86J	17,000	29,000	37	0.66J	6.6	6.9	--	--
B-1	5/29/2003	1,100J	4,700	8,300	760	26	180	65	--	--
B-1	6/15/2004	1,600	8,700	18,000	890	10	180	110	--	--
B-1	6/20/2005	550J	2,700J	5,300J	540	5.5	79	45	--	--
B-1	6/6/2006	3,300j	1,570	553	602	5.87	137	43.9	--	--
B-1	10/24/2006	3,770	884	800	363	6.65	113	26.8	--	--
B-1	3/14/2007	2,420	1,720	<185	118	4.35	188	21.3	--	--
B-1	9/12/2007	3,610	--	--	664	9.88	155	43.6	--	--

Table 6

**Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES		
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --	
B-1	6/4/2008	2,570	2,990	7,770	355	3.54	54.7	37.3	--	--	
B-1	8/27/2008	4,330 ¹	-- ¹	-- ¹	741 ¹	8.4 ¹	75.1 ¹	139 ¹	<0.42 ¹	74.4 ¹	
B-1	3/24/2010	1,580	105	<381	297	8.5	34.3	41.1	<1.0	<250	
B-1	8/27/2010				Unable to Purge						
B-1	5/18/2011	903 J	120	<380	311 J	6.6 J	18.9 J	23.8 J	<1.0 J	--	
B-1	8/17/2011	576	<76	<380	591	5.4	4.5	32	<1.0	--	
B-1	2/22/2012	1,200	200	440	82.2	3.1	19.3	10.9	<1.0	--	
B-1	5/9/2012	1,480	130	<380	18.5	<1.0	1	<3.0	<1.0	--	
B-1	8/23/2012	606	330	890	759	5.6	6.3	26.9	<1.0	--	
B-1	11/6/2012	2,140	190	140	257	<5.0	6.7	<15.0	<5.0	--	
B-1	1/29/2013	310	1,700	<480	13.9	<1.0	3.2	<3.0	<1.0	--	
B-1	4/30/2013	<100	<200	<200	8.3	<1.0	<1.0	<3.0	<1.0	--	
B-1	8/13/2013	307	2,500	2,800	283	1.7 J	1.4	5.3	<1.0	--	
B-1	11/19/2013	196 J	<400	<400	56.8	2.4	3.7	<6.0	<2.0	--	
B-1	2/5/2014	226 J	<400	<400	127	<2.0	2.1	<6.0	<2.0	--	
B-1	5/6/2014	<50	<50	<29	2.2	<0.22	<0.33	<0.81	<0.34	--	
B-2	9/18/1997	1,980,000	74,200	7,890	11,200	10,600	1,310	22,200	--	--	
B-2	4/29/1998	83,000	19,000	4,300	16,000	13,000	600	11,000	--	--	
B-2	7/30/1999	66,000	18,000	<2.0	11,000	7,900	700	9,700	--	--	
B-2	5/23/2000	59,000	32,000	<5.0	16,000	6,200	670	9,300	--	--	
B-2	5/24/2001				LPH Encountered						
B-2	6/5/2002				LPH Encountered						
B-2	11/25/2002	60,500	13.2	<0.5	9,850	1,780	1,280	9,220	--	--	
B-2	5/29/2003	59,000	36,000	2,700J	8,800	2,200	900	9,600	--	--	
B-2	6/15/2004	57,000	68,000	<9,700	8,700	510	1,300	8,700	--	--	
B-2	6/20/2005				LPH Encountered						
B-2	6/6/2006				LPH Encountered						
B-2	10/23/2006	47,000	10,700	<180	7,120	179	289	5,280	--	--	
B-2	3/14/2007	40,700	11,900	<370	7,740	138	280	6,150	--	--	
B-2	9/11/2007	35,600	8,190	<103	7,760	71.1	635	4,670	--	--	
B-2	6/4/2008	30,300	5,450	369J	5,980	45.8	539	3,240	--	--	
B-2	8/27/2008	22,200 ¹	4,820 ^{1,3}	<100 ^{1,7}	4,280 ¹	47.8 ¹	243 ¹	2,270 ¹	4.1 ¹	<74.4 ¹	
B-2 (DUP)	8/27/2008	22,100	3,340	129J	4,030	42.2	277	2,360	--	--	
B-2	3/24/2010	32,000	2,430	<385	5,190	33.8	203	2,810	6.3	<250	
B-2	8/27/2010	12,300	3,240	<396	5,250 E	47.4	284	2,110	10.2	<250	
B-2	2/10/2011	13,800	3200J	<377	5,010	29	269	1,450	9	--	
B-2	5/18/2011	16,500	--	--	4,830	27.8	258	1,000	17.3	--	
B-2	8/16/2011	16,900 J	1,300	<380	5,800 J	25.2	254 J	909 J	16.6	--	
B-2	3/1/2012	11,700	1,800	<380	1,400	7.8	78.8	499	4.6	--	
B-2	8/27/2012	9,450 ¹⁰	1,600	<380	6,440	21.5	306	882	12.4	--	
B-2	2/4/2013	5,150	2,400	<420	1,420	<10.0	70.3	222	<10.0	--	
B-2	8/21/2013	9,000	3,700	<420	7,670 J	18.5 J	286 J	293 J	14.7 J	--	
B-2	2/6/2014	8,820	2,500	<400	4,850	<20.0	216	205	<20.0	--	
B-3	5/24/2001				LPH Encountered						
B-3	6/5/2002				LPH Encountered						
B-3	11/25/2002	--	--	--	--	--	--	--	--	--	
B-3	5/27/2003				LPH Encountered						
B-3	6/15/2004				LPH Encountered						
B-3	6/20/2005				LPH Encountered						
B-3	6/6/2006				LPH Encountered						
B-3	10/23/2006				LPH Encountered						
B-3	3/14/2007				LPH Encountered						
B-3	9/11/2007				LPH Encountered						
B-3A	6/4/2008	200,000	8,410	275J	40,800	38,800	2,840	16,400	--	--	
B-3A	8/27/2008	171,000 ¹	11,200 ^{1,3}	790 ¹	47,500 ¹	34,000 ¹	2,470 ¹	15,800 ¹	93.6 ¹	<74.4 ¹	
B-3A	3/24/2010	153,000	9,850	<381	42,000	48,000	3,400	20,300	94.2	<250	
B-3A	8/25/2010				LPH Encountered						
B-3A	5/18/2011	155,000 J	2,300	<380	30,300 J	29,000 J	2,410 J	14,900 J	60 J	--	
B-3A	8/15/2011	117,000	1,300	<380	41,400	29,800	2,090	11,500	70 J	--	

Table 6

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES		
		TPH _g 800	TPH _d 500	TPH _o 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --	
CA Method A Screening Levels:											
B-3A	2/28/2012	153,000 J	10,000	1,600	32,900 J	33,500	4,010 J	17,300 J	67.2 J	--	
B-3A	8/29/2012	114,000 ¹⁰	2,700	<380	19,100	19,800	2,030	12,100	63.5	--	
B-3A	2/4/2013	141,000	5,500	<420	32,400	32,100	2,260	14,800	<100	--	
B-3A	8/13/2013	175,000	10,000	890	23,200	19,400	1,730	11,200	<200	--	
B-3A	2/5/2014	200,000	3,200	<400	28,400	28,300	2,790	18,400	<50.0	--	
B-3A	11/18/2016	88,200	9,500	<380	30,600	7,000	2,700	18,500	---	---	
B-3A	5/25/2017	108,000	5,900	<400	28,600	2,980	2,760	20,500	---	---	
B-3A	12/14/2017	71,000	14,400 J	<400 J	11,100	326	751	19,100	---	---	
B-3A	3/1/2018	81,300	31,200	700	6,140	247	727	15,000	---	---	
B-4	9/18/1997	1,170,000	99,600	<20,500	2,590	8,520	4,340	26,600	--	--	
B-4	7/29/1999	70,000	90,000	<20,000	1,800	1,600	2,300	13,000	--	--	
B-4	5/23/2000	76,000	51,000	<20,000	1,500	3,500	2,600	13,000	--	--	
B-4	5/23/2001	52,000	49,000	<20,000	600	2,300	2,500	10,000	--	--	
B-4	6/5/2002				LPH Encountered						
B-4	11/25/2002	41,700	5.46	<0.5	519	295	2,180	10,500	--	--	
B-4	5/29/2003	38,000	34,000	5,200J	280	570	1,400	5,900	--	--	
B-4	6/15/2004				LPH Encountered						
B-4	6/20/2005				LPH Encountered						
B-4	6/6/2006				LPH Encountered						
B-4	10/23/2006				LPH Encountered						
B-4	3/14/2007				LPH Encountered						
B-4	9/11/2007	22,100	3,460	48.5J	543	67.9	1,520	3,640	--	--	
B-4	6/3/2008	30,200	3,560	217	336	258	1,260	4,590	--	--	
B-4	8/27/2008	25,200 ¹	3,450 ^{1,3}	199 ¹	604 ¹	192 ¹	1,130 ¹	4,630 ¹	<0.42 ¹	<74.4 ¹	
B-4	3/22/2010				LPH Encountered						
B-4	8/25/2010				LPH Encountered						
B-4	5/18/2011	33,100	3,900	520	357	164	1450	2,270	<1.0	--	
B-4	8/16/2011	19,800	7,000	670	397	114	1,060	1,440	<1.0	--	
B-4	2/23/2012	7,310	1,500	<380	159	10.9	169	544	<1.0	--	
B-4	8/29/2012	14,600 ¹⁰	1,300	<400	240	80.2	470	1,230	<1.0	--	
B-4 (DUP)	8/29/2012	14,500 ¹⁰	7,400	1,400	226	54.6	423	1,090	<1.0	--	
B-4	2/4/2013	9,210	5,800	430	322	17.6	470	363	<5.0	--	
B-4	8/21/2013	19,300	5,500	450	466 J	51 J	1,010 J	1,510 J	<5.0 J	--	
B-4	2/11/2014	17,200	3,800	<400	110 J	8.6 J	218 J	229 J	<1.0	--	
B-4	11/17/2016	7,270	7,100	<360	213	<10.0	288	<30.0	---	---	
B-4	12/14/2017	4,600	28,500	1,200	12.5	1.3	117	6.3	---	---	
B-4	3/1/2018	2,780	13,500	540	34.5	<1.0	90.7	5.3	---	---	
B-4	8/29/2018	4,870	10,600	810	133	5.4	164	6.7	---	---	
B-5	9/17/1997	38,900	28,100	8,980	2,810	3,750	631	5,180	--	--	
B-5	4/29/1998	28,000	81,000	17,000	1,600	1,100	460	4,600	--	--	
B-5	7/29/1999	21,000	18,000	<2,000	1,200	240	330	2,600	--	--	
B-5	5/23/2000	11,000	15,000	4,000J	690	59	230	960	--	--	
B-5	5/23/2001	10,000	13,000	3,500J	2,000	120	320	2,100	--	--	
B-5	6/5/2002	4,300	16,000	4,800J	940	23	230	560	--	--	
B-5	11/25/2002	2,270	1.06	<0.5	126	4.31	37.4	67.4	--	--	
B-5	5/29/2003	3,300	4,300	1,600J	440	26	260	260	--	--	
B-5	6/15/2004	2,600	100,000	25,000	830	23	110	310	--	--	
B-5	6/22/2005	980J	36,000	17,000J	630	6.7	70	140	--	--	
B-5	6/6/2006	4,540j	2,860	271u	944	14.4	214	507	--	--	
B-5	10/23/2006	9,010	6,440	605	1,950	23.8	372	904	--	--	
B-5	3/14/2007	11,000	3,100	339	1,790	21.4	494	909	--	--	
B-5 (DUP)	3/14/2007	10,500	3,500	475	1,920	21.5	497	914	--	--	
B-5	9/11/07	2,740	5,580	1,530	689	9.89	72.2	191	--	--	
B-5	6/3/2008	12,400	2,640	648	2,480	24.8	311	656	--	--	
B-5	8/27/2008	6,990 ¹	5,700 ^{1,4}	909 ¹	1,330 ¹	14.2 ¹	103 ¹	180 ¹	<0.42 ¹	<74.4 ¹	
B-5	3/24/2010	8,510	2,260	<381	1,740	34.3	1,720	530	1.8	<250	
B-5	8/25/2010				LPH Encountered						
B-5	8/16/2011	10,400	7,300	850	1,240	21.1	815	171	<1.0	--	
B-5	2/29/2012	17,700	20,000	1,700	2,720	23.3	1,440	261	<1.0	--	
B-5	9/5/2012	9,590 ¹⁰	22,200	1,700	772	7.3	149	71.4	<1.0	--	

Table 6

**Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
B-5	2/4/2013	4,480	2,100	<440	596	<5.0	72	19.1	<5.0	--
B-5	8/21/2013	4,520	4,800	630	318 J	<5.0 J	67.1 J	<15.0 J	<5.0 J	--
B-5	2/6/2014	4,850	7,900	1,000	442	<5.0	88	<15.0	<5.0	--
B-6	5/17/1996	--	--	1,230	6.86	6.6	2.19	13.1	--	--
B-6	9/17/1997	194,000	102,000	61,700	2,850	7,070	1,270	7,860	--	--
B-6	4/29/1998	160,000	51,000	6,900	7,500	16,000	2,600	18,000	--	--
B-6	7/29/1999	97,000	23,000	<10,000	8,300	13,000	2,200	13,000	--	--
B-6	5/24/2001	69,000	44,000	25,000	6,900	4,300	980	7,200	--	--
B-6	6/5/2002	LPH Encountered								
B-6	11/26/2002	43,000	5.31	2.51	5,230	5,410	525	5,460	--	--
B-6 (DUP)	11/26/2002	43,500	7.04	3.63	4,850	5,010	464	5,430	--	--
B-6	5/29/2003	35,000	7,700	4,500J	4,600	4,000	450	4,800	--	--
B-6	6/15/2004	48,000	210,000	100,000	5,900	8,500	760	6,400	--	--
B-6	6/22/2005	22,000	100,005	45,000	3,800	3,600	200	2,200	--	--
B-6	6/6/2006	33,500	5,420	528	2,540	4,560	664	4,590	--	--
B-6	10/23/2006	37,400	7,050	371J	2,660	5,280	566	4,650	--	--
B-6	3/14/2007	41,200	4,740	532	1,780	5,230	603	7,220	--	--
B-6	9/11/2007	38,900	6,270	1,030	2,560	3,370	494	5,460	--	--
B-6	6/4/2008	52,000	7,350	4,460	5,320	8,210	483	7,740	--	--
B-6	8/27/2008	37,600 ¹	14,800 ^{1,3}	17,400 ^{1,2}	3,670 ¹	6,140 ¹	604 ¹	4,820 ¹	0.77 ¹	<74.4 ¹
B-6	3/23/2010	60,000	1,380	<381	8,200	10,200	1,300	10,600	4.1	<250
B-6	8/27/2010	49,400	2,710	528	4,800	7,280	1,140	8,490	<1.0	<250
B-6	2/10/2011	63,900	3,050	1,020	2,310	4,700	717	6,410	<1.0	--
B-6	5/24/2011	78,000	1,500	<390	6,000	9,030	1,900	10,800	<1.0	--
B-6	8/15/2011	38,100	3,000	1,800	6,280 J	5,830 J	740 J	4,580 J	3	--
B-6	11/23/2011	61,100	3,100	1,400	1,300	3,560	1,430	9,180	<1.0	--
B-6	2/29/2012	45,200	1,700	850	7,120	10,400	1,830	13,500	<1.0	--
B-6	5/10/2012	39,600	2,500	810	4,250	5,190	670	8,410	<50.0	--
B-6	8/27/2012	39,200 ¹⁰	1,500	430	5,080	4,060	671	7,380	2.1	--
B-6	11/16/2012	28,300	6,600	2,000	1,930	924	201	6,340	<20	--
B-6	2/7/2013	29,600	7,800	<450	1,900	1,080	224	6,000	<20.0	--
B-6	4/30/2013	28,000	510	<200	2,150	1,550	302	6,570	<25.0	--
B-6	8/20/2013	19,900	2,600	910	1,900	359	171	3,970	<10.0	--
B-6 (DUP)	8/20/2013	19,500	2,000	640 J	1,770	356	133	3,690	<20.0	--
B-6	11/19/2013	30,400	1,300	<400	6,490 J	1,920	319	5,820	<10.0	--
B-6	2/11/2014	28,600	1,100	440	3,390	1,740	298	5,770	<10.0	--
B-6	5/1/2014	26,800	1,200	2,200	3,590	1,280	321	5,630	<1.7	--
B-6	11/17/2016	28,800	2,900	1,200	6,790	59.7	1,440	4,770	---	---
B-6	5/25/2017	16,000	1,700	530	3,690	19.5	816	2,280	---	---
B-6	12/14/2017	2,540	2,000	470	414	<5.0	111	83.7	---	---
B-6	3/1/2018	2,230	1,400	<390	289	3.1	119	111	---	---
B-6	8/29/2018	4,480	4,600	1,500	886	9.5	242	77.1	---	---
D-1	4/14/1993	190	--	--	200	0.62	13	1.2	--	--
D-1	12/15/1993	83	--	--	7.1	<0.50	<0.50	1.3	--	--
D-1	11/4/1994	52	--	--	2	<0.50	<0.50	<1.0	--	--
D-1		Undocumented - Well Was Abandoned								
D-1	11/26/2002	185	0.434	1.01	<0.5	1.12	<0.5	2.16	--	--
D-1R	11/17/2011	192	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	2/21/2012	436	77	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	5/11/2012	176	130	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	8/31/2012	224	80	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	11/9/2012	<100	<130	<110	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	2/1/2013	220	<450	<450	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	4/30/2013	262	<200	<200	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	8/20/2013	226	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	11/19/2013	199	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	2/7/2014	388	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	5/1/2014	460	<48	<28	<0.15	<0.11	<0.16	<0.40	<0.17	--
D-1R	8/12/2014	324	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--

Table 6

**Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES			
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --		
D-1R	11/25/2014	196	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-1R (DUP)	11/25/2014	196	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-1R	2/13/2015	341	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	---		
D-1R	11/16/2016	319	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---		
D-1R	2/16/2017	279	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---		
D-1R	5/24/2017	541	<530	<530	<1.0	<1.0	<1.0	<3.0	---	---		
D-1R	9/28/2017	683	<430	<430	<1.0	<1.0	<1.0	<3.0	---	---		
D-1R	12/14/2017	593	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---		
D-1R	3/1/2018	690 J	450	<370	<1.0 J	<1.0 J	<1.0 J	<3.0 J	---	---		
D-1R	6/27/2018	818	630	<420	<1.0	<1.0	<1.0	<3.0	---	---		
D-1R	8/28/2018	651	470	<390	<1.0	<1.0	<1.0	<3.0	---	---		
D-2	11/4/1994	<50	--	--	3.0	<0.50	<0.50	<1.0	--	--		
D-2					Undocumented - Well Was Abandoned							
D-4	11/4/1994	450	--	--	<0.50	2.1	0.78	4.7	--	--		
D-4	6/21/2005				Insufficient Groundwater to Sample							
D-4	6/7/2006	101	2,760	2,840	<0.290	<0.280	<0.340	<0.820	--	--		
D-4	3/15/2007	92.3J	--	--	0.430J	0.460J	0.430J	0.750J	--	--		
D-4	9/11/2007				Insufficient Groundwater to Sample							
D-4	6/2/2008				Insufficient Groundwater to Sample							
D-4	8/26/2008	76.2 ¹	268 ^{1.5}	441 ^{1.5}	<0.27 ¹	1.6 ¹	0.58 ¹	1.45 ¹	<0.42 ¹	<74.4 ¹		
D-4	3/23/2010				Insufficient Groundwater to Sample							
D-4	8/25/2010				Insufficient Groundwater to Sample							
D-4	5/26/2011	<50.0	1,400	1,800	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-4R	11/15/2011	<50.0 J	<76	<380	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--		
D-4R	2/22/2012	<50.0	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-4R	5/9/2012	<100	110	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-4R	8/23/2012	<50.0	<79	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-4R	11/6/2012	<100	<110	<110	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-4R	1/29/2013	<100	<450	<450	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-4R (DUP)	1/29/2013	<100	<450	<450	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-4R	4/29/2013	<100	<200	<200	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-4R	8/13/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-4R	11/18/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-4R	2/4/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-4R	4/28/2014	129	48	<28	<0.15	<0.11	<0.16	<0.40	<0.17	--		
D-4R	11/16/2016	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---		
D-4R	2/16/2017	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---		
D-4R	5/24/2017	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---		
D-4R	9/27/2017	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	---	---		
D-4R	12/13/2017	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---		
D-4R	3/1/2018	<100	<370	<370	<1.0	<1.0	<1.0	<3.0	---	---		
D-4R	6/27/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---		
D-4R	8/29/2018	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---		
D-5	12/15/1993	260	--	--	14	<0.50	1.7	2.1	--	--		
D-5	11/4/1994	170	--	--	15	3	<0.50	4	--	--		
D-5	9/11/2007				Insufficient Groundwater to Sample							
D-5	6/2/2008				Insufficient Groundwater to Sample							
D-5	8/25/2008				Insufficient Groundwater to Sample							
D-5	3/23/2010				Insufficient Groundwater to Sample							
D-5	8/25/2010				Insufficient Groundwater to Sample							
D-5R	11/15/2011	160	<77	<380	1	1.4	<1.0	4.6	<1.0	--		
D-5R	2/22/2012	74.4 J	<77	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-5R	5/9/2012	380	96	<410	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-5R	8/23/2012	55.2	<82	<410	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-5R	11/6/2012	427	<110	<110	<1.0	<1.0	<1.0	1.0	<1.0	--		
D-5R	1/29/2013	128	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-5R	4/29/2013	<100	<200	<200	<1.0	<1.0	<1.0	<3.0	<1.0	--		

Table 6

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
D-5R	8/13/2013	103	<410	<410	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-5R	11/18/2013	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-5R (DUP)	11/18/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-5R	2/4/2014	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-5R	4/28/2014	<50	48	<28	<0.15	<0.11	<0.16	<0.40	<0.17	--
D-5R	11/17/2016	136	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
D-5R	11/17/2016	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	---	---
D-5R	2/16/2017	<100	<360	<360	8.2	<1.0	<1.0	<3.0	---	---
D-5R	5/24/2017	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	---	---
D-5R	9/27/2017	253	<410	<410	<1.0 J	<1.0 J	<1.0 J	<3.0 J	---	---
D-5R	12/13/2017	191	<480	<480	<1.0	<1.0	<1.0	<3.0	---	---
D-5R	2/28/2018	<100	<380	<380	<1.0 J	<1.0 J	<1.0 J	<3.0 J	---	---
D-5R	6/27/2018	149	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---
D-5R (DUP)	6/27/2018	142	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
D-5R	8/29/2018	306	<390	<390	<1.0	<1.0	<1.0	4.1	---	---
D-5R (DUP)	8/29/2018	296	<440	<440	<1.0	<1.0	<1.0	4.2	---	---
D-6	4/30/1998	<50	14,000	86,000	11	2	0.2	1.4	--	--
D-6	5/23/2000	59J	<2,000	<5,000	200	5.6	1.0J	3.6	--	--
D-6	5/23/2001	10J	1,400	3,800	200	9.1	4.2	5.2	--	--
D-6	6/5/2002	87J	900	2,600	120	9.6	2.3	5.8	--	--
D-6	11/26/2002	385	<0.25	<0.5	121	10.7	1.20	5.59	--	--
D-6	5/27/2003	<48	7,600J	37,000	7.2	1.1	0.3J	0.9J	--	--
D-6	6/15/2004	59J	1,300J	5,800	78.0	4.3	1.7	3.6	--	--
D-6	6/22/2005	160J	3,700	4,000J	130	14.0	2.5	8.4	--	--
D-6	6/7/2006	342	1,580	1,050	22.2	0.960J	0.580J	<0.820	--	--
D-6	10/23/2006	445	1,490	4,160	111	19.0	4.97	22.7	--	--
D-6	3/14/2007	487	792	604	150	3.32	2.24	3.12	--	--
D-6	9/11/2007	425	--	--	160	6.32	2.56	5.78	--	--
D-6	6/3/2008	497	391	520	100	2.38	0.620J	1.64J	--	--
D-6	8/27/2008	559 ¹	1,840 ^{1,2}	4,810 ^{1,3}	145 ^{1,6}	4.09 ¹	1.65 ¹	3.62 ¹	0.6 ¹	<74.4 ¹
D-6	3/23/2010	<79.5	<76.2	<381	268	4.3	1.8	<3.0	<1.0	<250
D-6	8/27/2010	71.4	<78.4	<392	144	4.1	1.6	<3.0	<1.0	<250
D-6	2/10/2011	50	89.1	<385	91	1.8	<1.0	<3.0	<1.0	--
D-6	5/25/2011	<50.0	250	1,300	13	<1.0	<1.0	<3.0	<1.0	--
D-6	8/16/2011	<50.0	<76	<380	42.5	1.2	<1.0	<3.0	<1.0	--
D-6	11/22/2011	<50.0	<76	<380	29.5	<1.0	<1.0	<3.0	<1.0	--
D-6	3/1/2012	<50.0	<77	<380	21.9	<1.0	<1.0	<3.0	<1.0	--
D-6	5/10/2012	139	95	<380	28.2	<1.0	<1.0	<3.0	<1.0	--
D-6 (DUP)	5/10/2012	141	<120	<620	25.3	<1.0	<1.0	<3.0	<1.0	--
D-6	8/27/2012	75.2	<84	<420	17.0	2.1	1.4	8.8	<1.0	--
D-6	11/12/2012	<100	<110	<110	14.3J	<1.0	<1.0	<3.0	<1.0	--
D-6 (DUP)	11/12/2012	<100	<120	<120	15.3	<1.0	<1.0	<3.0	<1.0	--
D-6	2/1/2013	<100	<420	<420	2.5	<1.0	<1.0	<3.0	<1.0	--
D-6	8/20/2013	<100	<420	<420	7.1	<1.0	<1.0	<3.0	<1.0	--
D-6	11/19/2013	<100	<400	<400	4.9	<1.0	<1.0	<3.0	<1.0	--
D-6	2/11/2014	<100	<400	530	1.7	<1.0	<1.0	<3.0	<1.0	--
D-6	5/1/2014	<50	<52	890	1.6	<0.11	<0.16	<0.40	<0.17	--
D-7	4/14/1993	77	--	--	1,300	21	420	2,200	--	--
D-7	11/4/1994	210	--	--	88	2.1	4.7	13	--	--
D-7	9/17/1997	453	7,990	22,400	150	13.5	7.04	35.5	--	--
D-7	4/30/1998	170	3,300	6,200	63	5.0	0.9	7	--	--
D-7	5/23/2000	120J	4,600J	19,000	480	7.2	1.6	13	--	--
D-7	5/23/2001	130J	4,100J	17,000	410	8.7	1.6	18	--	--
D-7	6/4/2002	70J	9,300	31,000	180	6.7	0.72J	8.1	--	--
D-7	11/26/2002	<50	0.435	1.26	2.82	0.614	<0.5	1.12	--	--
D-7	6/15/2004	88J	15,000	51,000	190	18.0	0.5J	3.8	--	--
D-7	6/22/2005	140J	11,000	36,000	83	5.7	0.9J	9.0	--	--
D-7	6/7/2006	281	3,760	9,490	70.4	2.94	<0.340	<0.820	--	--
D-7	10/24/2006	56.2Ju	913J	37,200	6.98	0.630J	<0.230	<0.440	--	--
D-7	3/14/2007	76.3J	762	2,830	5.57	0.580 J	<0.420	<0.450	--	--

Table 6

**Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
D-7	9/12/2007	70.7J	897	3,130	10.6	1.39	<0.420	<0.450	--	--
D-7	6/3/2008	452	1,760	3,220	33.4	0.470J	<0.240	2.33J	--	--
D-7	8/27/2008	762 ¹	-- ¹	-- ¹	96.6 ¹	4.96 ¹	1.04 ¹	7.08 ¹	<0.42 ¹	<74.4 ¹
D-7	3/23/2010	176	<76.2	<381	278	5.4	1.1	10.3	<1.0	<250
D-7	8/27/2010	84.2	--	--	156	1.1	<1.0	6.8	<1.0	<250
D-7	2/9/2011	65.7	554	3,470	20.2	2	<1.0	<3.0	<1.0	--
D-7	8/16/2011	<50.0	200	1,500	75	<1.0	<1.0	<3.0	<1.0	--
D-7	2/22/2012	<50.0	<77	<380	3.1	<1.0	<1.0	<3.0	<1.0	--
D-7	8/27/2012	109	2,100	10,600	150	3.6	2.0	12.8	<1.0	--
D-7	2/1/2013	<100	<450	<450	60.1	1.1	<1.0	3.2	<1.0	--
D-7	8/20/2013	<100	880	570	142	2.6 J	<1.0	<3.0	<1.0	--
D-7	2/6/2014	116 J	3,800	24,900	260	4.7	<2.0	8.7	<2.0	--
HA-1	4/14/1993	80	--	--	<0.50	<0.50	<0.50	<1.0	--	--
HA-1	12/15/1993	<50	--	--	<0.50	<0.50	<0.50	<1.0	--	--
HA-1	11/4/1994	<50	--	--	<0.50	1.3	0.61	2.2	--	--
HA-1	9/17/1997	<50	<250	<500	<0.50	<0.50	<0.50	<1.0	--	--
HA-1	4/29/1998	<50	110	540	<0.20	0.4	<0.20	1.2	--	--
HA-1	5/24/2000	100J	320	370J	0.29J	<0.20	0.71J	2.4J	--	--
HA-1	5/23/2001	<48	<80	<200	<0.2	<0.2	<0.2	<0.60	--	--
HA-1	6/4/2002	<48	<77	<97	<0.20	0.35J	<0.20	<0.60	--	--
HA-1	11/26/2002	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
HA-1	6/15/2004	<48	<80	<100	<0.2	<0.2	<0.2	<0.6	--	--
HA-1	6/22/2005	<48	<77	<97	<0.2	<0.2	<0.2	<0.6	--	--
HA-1	6/7/2006	<40	<35.8	92.7J	<0.290	<0.280	<0.340	<0.820	--	--
HA-1 (DUP)	6/7/2006	<40	<36.2	125	<0.290	<0.280	<0.340	<0.820	--	--
HA-1	10/24/2006	10.9Ju	877	1,090	<0.310	<0.220	<0.230	<0.440	--	--
HA-1	3/14/2007	47.8J	48.3J	<35.6	0.400J	0.700J	<0.420	1.76J	--	--
HA-1	9/12/2007	<43.0	<19.6	27.2J	0.520J	<0.420	<0.420	1.17J	--	--
HA-1	6/3/2008	<43.0	<19.0	25.9J	<0.270	<0.280	<0.240	<0.860	--	--
HA-1	8/26/2008	<43 ¹	48.6 ¹	62.3 ¹	0.58 ¹	<0.28 ¹	<0.24 ¹	1.14 ¹	<0.42 ¹	75.2 ¹
HA-1	3/23/2010	<50.0	<75.8	<379	<1.0	<1.0	<1.0	<3.0	<1.0	<250
HA-1	8/27/2010	858	--	--	44.6	41.8	16.1	150	<1.0	<250
HA-1	2/9/2011	<50.0	<75.5	<377	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-1	5/18/2011	<50.0 J	<75.5	<380	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
HA-1	8/17/2011	<50.0	<160	<820	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-1	2/28/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-1	5/15/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-1	8/31/2012	<50.0	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-1	11/12/2012	<100	<110	<110	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-1	2/7/2013	<100	<460	<460	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-1	5/2/2013	<100	<200	<200	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-1	8/23/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-1	11/21/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-1	2/12/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-1	5/7/2014	<50	<48	<28	<0.15	<0.11	<0.16	<0.40	<0.17	--
HA-2	4/14/1993	160,000	--	--	7,900	30,000	2,900	17,000	--	--
HA-2	12/15/1993	90,000	--	--	1,200	860	3,000	15,000	--	--
HA-2	11/4/1994	1,800,000	--	--	1,700	13,000	8,900	57,000	--	--
HA-2	9/18/1997	16,500	13,500	<500	1,820	648	204	1,590	--	--
HA-2	4/30/1998	65,000	12,000	3,000	9,400	11,000	1,100	7,900	--	--
HA-2	7/30/1999	67,000	76,000	<10,000	10,000	8,700	1,200	10,000	--	--
HA-2	5/23/2000	69,000	71,000	<25,000	12,000	7,300	1,700	11,000	--	--
HA-2	5/23/2001	36,000	28,000	<4,000	8,100	2,100	910	5,200	--	--
HA-2	6/4/2002	81,000	68,000	<9,800	12,000	12,000	1,700	14,000	--	--
HA-2	5/27/2003	99,000	33,000	3,000J	9,200	5,800	1,800	14,000	--	--
HA-2	6/16/2004	31,000	--	--	5,800	980	690	4,500	--	--
HA-2	6/21/2005	35,000	290,000	<20,000	4,700	2,700	440	4,000	--	--
HA-2	6/6/2006	60,200	9,720	313Ju	7,710	5,560	874	10,200	--	--
HA-2	10/24/2006	31,700	--	--	4,890	1,480	794	5,610	--	--
HA-2	3/15/2007	73,600	14,900	534J	9,840	8,540	1,210	14,800	--	--

Table 6

**Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES		
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --	
HA-2	9/12/2007	52,000	--	--	11,000	2,400	2,400	8,340	--	--	
HA-2	6/4/2008	81,600	6,290	283J	8,440	5,060	2,080	11,400	--	--	
HA-2	8/27/2008	60,400 ¹	-- ¹	-- ¹	11,600 ¹	4,810 ¹	3,100 ¹	9,480 ¹	<0.42 ¹	<74.4 ¹	
HA-2	3/25/2010	55,500	4,650	<385	10,200	2,900	3,460	16,100	<1.0	<250	
HA-2	8/25/2010	44,100	--	--	8,190	921	2,700	9,660	<1.0	<250	
HA-2	2/8/2011	62,000	1,720	<379	7,130	1,560	1,980	9,990	<1.0	--	
HA-2	5/17/2011	48,200 J	1,400	<380	6,710 J	853 J	2,090 J	8,850 J	<1.0 J	--	
HA-2	8/11/2011	45,300	5,600	<930	7,600	1,130	2,050	6,720	<1.0	--	
HA-2	11/18/2011	3,670	--	--	5,980	905	1,990	4,850	<1.0	--	
HA-2	2/24/2012	142,000	2,800	<420	17,500	3,600	2,250	30,700	<10.0	--	
HA-2	5/15/2012	93,000	5,100	460	6,490	2,780	2,230	14,000	<1.0	--	
HA-2	8/29/2012	43,900 ¹⁰	--	--	6,000	1,360	2,300	6,960	<1.0	--	
HA-2	11/13/2012	43,200	5,100	660	7,280	2,190	2,290	9,400	<50.0	--	
HA-2	2/7/2013	63,700	5,300	<430	5,920	2,810	2,230	13,300	<50.0	--	
HA-2	5/2/2013	73,700	3,400	470	5,760	2,480	2,700	15,000	<50.0	--	
HA-2	8/23/2013	56,400	1,700	<480	5,210	1,040	2,210	6,670	<50.0	--	
HA-2	11/21/2013	57,100	2,200 J	<400	5,440	1,010	2,460	8,710	<50.0	--	
HA-2	2/10/2014	72,400	3,000	650	5,050	802	2,500	12,300	<50.0	--	
HA-2	5/2/2014	67,000	1,800	<29	4,850	794	2,690	14,400	<8.4	--	
HA-3	4/14/1993	770	--	--	73	12	6.2	37	--	--	
HA-3	12/15/1993	140	--	--	19	0.58	1.5	3.8	--	--	
HA-3	11/4/1994	380	--	--	26	6.0	2.0	8.7	--	--	
HA-3	9/18/1997	<50	2,350	1,280	<0.50	<0.50	<0.50	<1.0	--	--	
HA-3	4/30/1998	310	1,200	1,400	84	9.0	2.0	7.0	--	--	
HA-3	5/23/2000	480	590	1,100	87	8.1	2.2	7.4	--	--	
HA-3	5/23/2001	330	--	--	37	0.63J	0.42J	3.5	--	--	
HA-3	6/4/2002	480	5,900	710J	120	16.0	4.2	23.0	--	--	
HA-3	5/27/2003	<24	--	--	230	4.6J	3.8J	8.9J	--	--	
HA-3	6/22/2005	63J	--	--	140	0.7J	1.4	3.9	--	--	
HA-3	6/7/2006	531	755	470	80.8	6.59	0.620J	0.880J	--	--	
HA-3	3/15/2007	3,400	1,050	547	569	7.16	6.50	12.4	--	--	
HA-3	9/12/2007				Insufficient Groundwater to Sample						
HA-3	6/2/2008				Insufficient Groundwater to Sample						
HA-3	8/25/2008				Insufficient Groundwater to Sample						
HA-3	3/25/2010				Insufficient Groundwater to Sample						
HA-3	8/25/2010	383	--	--	569 C0,E	11.4	13.5	41.6	<1.0	<250	
HA-3	2/9/2011	238	591	<851	113	2.1	2.4	8.3	<1.0	--	
HA-3	5/17/2011	145 J	<480	<2400	121 J	2.2 J	2.2 J	7.2 J	<1.0 J	--	
HA-3	8/11/2011	124	--	--	245	3.2	3.2	6.2	<1.0	--	
HA-3	11/18/2011	51.4 J	<120	<590	20.6 J	<1.0 J	<1.0 J	3.1 J	<1.0 J	--	
HA-3	2/24/2012	<50.0	<83	<420	1.1	<1.0	<1.0	<3.0	<1.0	--	
HA-3	5/16/2012	152	<130	<630	8.8	3	2.4	16.8	<1.0	--	
HA-3	8/29/2012	138	--	--	111	10.3	3.7	11.4	<1.0	--	
HA-3	11/13/2012	1,880	<130	<130	2.0	6.3	<1.0	<3.0	<1.0	--	
HA-3	2/7/2013	272	<430	<430	9.4	60.2	1.7	9.7	<1.0	--	
HA-3	5/2/2013	149	<200	230	16.8	19	1.4	6.9	<1.0	--	
HA-3	8/23/2013	<200	<400	<400	201	7.2 J	<5.0	<15.0	<5.0	--	
HA-3	11/21/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--	
HA-3	2/10/2014	315	<400	<400	4.5 J	5.3 J	10.2 J	67.8 J	<1.0 J	--	
HA-3	5/2/2014	149	<50	<29	3.6	<0.22	4.2	24.7	<0.34	--	
HA-4	4/14/1993	230	--	--	<0.50	1.7	4.5	12	--	--	
HA-4	12/15/1993	<50	--	--	<0.50	<0.50	<0.50	<1.0	--	--	
HA-4	11/4/1994	<50	--	--	<0.50	<0.50	<0.50	<1.0	--	--	
HA-4	9/18/1997	3,980	610	797	193	280	68.6	503	--	--	
HA-4	4/30/1998	<250	530	1,600	<1.0	<1.0	<1.0	<3.0	--	--	
HA-4	5/23/2000	<48	420J	1,500	<0.2	<0.2	<0.2	<0.6	--	--	
HA-4	5/23/2001	<48	550	1,900	<0.2	7.60	<0.2	<0.6	--	--	
HA-4	6/4/2002	<48	230J	270J	0.22J	0.33J	<0.2	1.1J	--	--	
HA-4	5/27/2003	<48	410	720	<0.2	2.3	<0.2	<0.6	--	--	
HA-4	6/16/2004	70J	470	590J	<0.2	4.7	<0.2	<0.6	--	--	

Table 6

**Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
CA Method A Screening Levels:										
HA-4	6/22/2005	<48	560	1,000	<0.2	0.6J	<0.2	1.0J	--	--
HA-4	10/24/2006	275	325	672	60.6	21.0	2.92	19.2	--	--
HA-4	3/15/2007	66.5J	519	155	<0.330	<0.420	<0.420	<0.450	--	--
HA-4	9/12/2007	84.9J	--	--	<0.330	<0.420	<0.420	0.770J	--	--
HA-4	6/4/2008	131	94.0J	204	0.920J	2.95	1.65	7.44	--	--
HA-4	8/26/2008	<43 ¹	188 ^{1,2}	421 ^{1,2}	<0.27 ¹	<0.28 ¹	<0.24 ¹	<0.86 ¹	<0.42 ¹	<74.4 ¹
HA-4	3/25/2010				Insufficient Groundwater to Sample					
HA-4	8/25/2010	<50.0	--	--	1.6	<1.0	<1.0	<3.0	<1.0	<250
HA-4	2/8/2011	61.8	114	<404	1.4	1.3	1.8	14.7	<1.0	--
HA-4	5/17/2011	<50.0 J	<77.0	<380	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
HA-4	8/11/2011	<50.0	--	--	--	--	--	--	--	--
HA-4	11/18/2011	<50.0	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-4	2/24/2012	<50.0	<77	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-4	5/16/2012	215	<85	<430	<1.0	49.7	<1.0	<3.0	<1.0	--
HA-4	8/29/2012	<50.0	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-4	11/15/2012	<100	<110	<110	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-4	2/7/2013	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-4	5/2/2013	121	<200	210	<1.0	43.7	<1.0	<3.0	<1.0	--
HA-4	8/23/2013	<100	<400	<400	<1.0	3.7 J	<1.0	<3.0	<1.0	--
HA-4	11/21/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-4	2/10/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-4	5/7/2014	963	<28	<48	<0.30	297	<0.33	<0.81	<0.34	--
HA-5	4/14/1993	3,500	--	--	22	2.2	84	210	--	--
HA-5	12/15/1993	710	--	--	17	18	1.2	38	--	--
HA-5	11/4/1994	250	--	--	14	1.5	1.6	2.9	--	--
HA-5	9/18/1997	349	1,790	969	18.50	2.45	1.89	6.8	--	--
HA-5	5/1/1998	950	640	840	15	3	7	5	--	--
HA-5	7/29/1999	480	240J	<200	17	3	0.4J	9	--	--
HA-5	5/23/2000	410	380	630	9.1	2.6	2	5.5	--	--
HA-5	5/22/2001	480	290	<200	2.5	1.7	0.23J	3.0	--	--
HA-5	6/5/2002	880	260	110J	30.0	5.3	140	16.0	--	--
HA-5	11/19/2002	223	NA	NA	3.39	5.63	0.581	5.87	--	--
HA-5	11/25/2002	236	<0.25	<0.5	2.94	1.67	<0.5	4.22	--	--
HA-5 (DUP)	11/25/2002	243	<0.25	<0.5	2.78	1.51	<0.5	3.81	--	--
HA-5	1/14/2003	14,300	NA	NA	3,380	2,870	43.6	151	--	--
HA-5	2/24/2003	65,000	0.476	<0.5	8,620	17,200	685	3,260	--	--
HA-5	3/25/2003	54,700	0.388	<0.5	6,550	14,700	657	2,900	--	--
HA-5	4/18/2003	66,600	<0.25	<0.5	7,550	16,800	857	3,960	--	--
HA-5	5/28/2003	21,000	310	150J	2,700	5,200	350	1,700	--	--
HA-5	8/11/2003	2,810	0.512	<0.5	659	232	26.7	187	--	--
HA-5	3/15/2004	708	2.38	<0.5	21.2	1.38	41.5	6.55	--	--
HA-5	6/16/2004	570	1,400J	<1,000	3.0	1.2	3.1	25	--	--
HA-5	6/22/2004	178	<0.25	<0.5	2.85	<0.5	0.559	<1	--	--
HA-5	9/21/2004	409	4.17	<0.5	9.76	0.657	16.5	7.84	--	--
HA-5	12/21/2004	<50	<0.25	<0.5	0.567	<0.5	<0.5	<1	--	--
HA-5	3/22/2005	<100	<0.236	<0.473	17.6	<1	<1	<3	--	--
HA-5	6/20/2005	86J	790	<94	2.7	<0.2	<0.2	0.7J	--	--
HA-5	6/24/2005	124	1.18 (d)	<0.456	<1	<1	<1	<3	<1	--
HA-5	7/28/2005	870	360	<95	0.9	1.7	3.2	52	<0.3	--
HA-5	9/20/2005	140	85	<94	6.9	11	1.9	9.7	--	--
HA-5	11/30/2005	<48	95	<94	<0.5	<0.7	<0.8	<0.8	--	--
HA-5	2/28/2006	<48	100	<100	2	<0.7	<0.8	<0.8	<0.5	--
HA-5	5/16/2006	<48	<76	<95	1.9	<0.2	<0.2	<0.6	<5	--
HA-5	6/7/2006	173	205	171	0.570J	<0.280	<0.340	<0.820	--	--
HA-5	8/17/2006	100	190	<96	5	<0.7	<0.8	<0.8	<0.5	--
HA-5	10/24/2006	303	178	<35.8	22.7	3.42	1.72	2.92J	--	--
HA-5	11/21/2006	150	590	<96	15	<0.7	<0.8	4.0	<0.5	--
HA-5	2/20/2007	180	--	--	5	<0.7	2	<0.8	<0.5	--
HA-5	3/15/2007	133	454	<37.0	3.79	<0.420	0.770J	<0.450	--	--
HA-5	5/15/2007	110	260	<95	2	<0.7	<0.8	<0.8	<0.5	--
HA-5	9/11/2007	507	525	76.2J	78.7	5.24	9.22	16.2	--	--

Table 6

**Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
CA Method A Screening Levels:										
HA-5	9/12/2007	720	<160	<200	280	23	34	100	<0.5	--
HA-5	11/27/2007	100	190	<95	5	<0.7	2	4	<0.5	--
HA-5	2/26/2008	77	100	<93	0.7	<0.7	<0.8	1	<0.5	--
HA-5	6/4/2008	999	185	116	4.66	2.74	30.9	8.96	--	--
HA-5	8/26/2008	1,220 ¹	360 ^{1,4}	136 ^{1,4}	24.7 ¹	11.5 ¹	5.64 ¹	31.4 ¹	<0.42 ¹	<74.4 ¹
HA-5	3/24/2010	162	<76.2	<381	5.8	1.4	<1.0	6.7	<1.0	<250
HA-5	8/27/2010	571	87.1	<392	31.2	8.3	61.8	37.8	<1.0	<250
HA-5	2/11/2011	130	<77.7	<388	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-5	8/12/2011	<50.0	<78	<390	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-5	2/23/2012	<50.0	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-5	8/23/2012	<50.0	<83	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-5	1/30/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-5	8/22/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-5	2/7/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-6	4/14/1993	63,000	--	--	1,400	9,300	1,200	10,000	--	--
HA-6	12/15/1993	59,000	--	--	1,400	1,400	7,400	10,000	--	--
HA-6	11/4/1994	53,000	--	--	960	2,700	790	9,500	--	--
HA-6	9/17/1997	43,100	25,100	<500	934	973	922	7,670	--	--
HA-6	5/1/1998	43,000	24,000	<5,000	1,100	1,200	1,300	8,700	--	--
HA-6	7/30/1999	47,000	16,000	<2,000	950	360	1,500	8,300	--	--
HA-6	5/22/2000	37,000	10,000	<4,000	870	430	1,500	6,800	--	--
HA-6	5/22/2001	38,000	14,000	<2,000	820	370	1,600	8,000	--	--
HA-6	6/5/2002	36,000	5,800	990J	650	210	1,700	7,100	--	--
HA-6	11/25/2002	25,600	1.43	<0.5	637	181	1,320	5,620	--	--
HA-6	5/28/2003	32,000	4,100	5,400J	590	210	1,200	5,900	--	--
HA-6	6/16/2004	52,000	41,000	<2,500	590	330	1,300	8,500	--	--
HA-6	6/20/2005	18,000	11,000	<960	330	150	690	2,800	--	--
HA-6	6/7/2006	18,600	3,700j	106J	345	189	1,040	2,900	--	--
HA-6	10/24/2006	19,000	2,670j	<71.4uj	422	172	948	2,570	--	--
HA-6	3/15/2007	17,700	3,290	<74.0	409	209	1,170	4,300	--	--
HA-6	9/11/2007	19,800	2,600	52.6	471	197	1,360	2,200	--	--
HA-6	6/3/2008	24,900	2,120	165	365	304	1,550	4,330	--	--
HA-6	8/26/2008	22,800 ¹	1,420 ^{1,3}	48.8 ¹	349 ¹	237 ¹	1,320 ¹	2,470 ¹	<0.42 ¹	<74.4 ¹
HA-6	3/24/2010	14,900	908	<381	330	184	1,450	2,790	<1.0	<250
HA-6	8/27/2010	9,630	789	<392	293	98.0	1,420	413	<1.0	<250
HA-6	2/10/2011	10,100	576	<377	118	71.1	423	882	<1.0	--
HA-6	5/26/2011	11,500	510	<380	149	77.4	389	570	<1.0	--
HA-6	8/12/2011	9,440	1,900	<380	89.8	77	551	337	<1.0	--
HA-6	11/22/2011	10,300	330	<390	119	97.9	731	457	<1.0	--
HA-6	2/23/2012	12,700	710	<380	153	155	1,160	1,490	<1.0	--
HA-6	5/11/2012	12,800	900	<420	130	149	1,100	1,530	<10.0	--
HA-6	8/23/2012	12,800 ¹⁰	830	<420	157	132	1,380	933	<1.0	--
HA-6	11/8/2012	11,500	3,100	<100	151	115	907	1,010	<10	--
HA-6	1/30/2013	15,900	910	<430	140	148	1,140	1,520	<5.0	--
HA-6	5/3/2013	19,100	910	350	181	180	1,680	1,930	<10.0	--
HA-6	8/22/2013	11,000	900	<430	133	85.2	907	583	<1.0	--
HA-6	11/20/2013	14,300	770	<400	194	143	1,540 J	1,490	<5.0	--
HA-6	2/7/2014	20,200	1,200	<400	161	137	1,870	1,160	<10.0	--
HA-6	5/6/2014	13,700	900	<29	106	96.7	1,190	1,150	<1.7	--
HA-7	7/29/1999	17,000	16,000	<10,000	1,200	69	890	1,200	--	--
HA-7	5/22/2000	7,000	9,200	<4,000	460	31	510	580	--	--
HA-7	5/22/2001	4,700	7,100	<2,000	290	25	350	470	--	--
HA-7	6/5/2002	8,800	4,100	<470	1,500	73	760	1,000	--	--
HA-7	11/19/2002	5,510	NA	NA	587	31.3	259	324	--	--
HA-7	11/25/2002	7,840	2.67	<0.5	811	41.1	402	580	--	--
HA-7	1/14/2003	13,700	NA	NA	421	56.2	261	2,350	--	--
HA-7	5/28/2003	11,000	9,000	<960	1,000	100	920	1,300	--	--
HA-7	6/15/2004	8,500	3,400	<490	730	48	600	1,200	--	--
HA-7	6/20/2005	740	1,500	<200	170	5	84	18	--	--
HA-7	6/7/2006	<40	14,700	1,610	0.480J	<0.280	<0.340	<0.820	--	--

Table 6

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES		
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --	
CA Method A Screening Levels:											
HA-7	10/24/2006	537	1,040j	408j	46.9	4.32	7.86	23.5	--	--	
HA-7	3/15/2007	3,880	3,270	<181	385	30.0	658	166	--	--	
HA-7	9/11/2007	9,440	4,300	<41.0	777	31.8	1,540	504	--	--	
HA-7	6/3/2008	13,700	4,270	357	653	70.6	1,620	1,430	--	--	
HA-7	8/26/2008	6,940 ¹	4,410 ^{1,3}	137 ¹	635 ¹	31.7 ¹	1,100 ¹	928 ¹	<0.42 ¹	<74.4 ¹	
HA-7	3/24/2010	4,990	458	<392	529	28.4	771	1,050	<1.0	<250	
HA-7	8/27/2010	7,120	455	<388	267	24.8	505	544	<1.0	<250	
HA-7	2/11/2011	5,430	369	<377	114	17.7	500	401	<1.0	--	
HA-7	5/25/2011	6,540	360	<380	150	22	369	349	<1.0	--	
HA-7	8/15/2011	6,820	660	<380	225	22.9	567	377	<1.0	--	
HA-7	11/22/2011	3,100	200	<400	86.1	7.8	160	198	<1.0	--	
HA-7	2/27/2012	5,310	360	<380	193	25.6	813	509	<1.0	--	
HA-7	5/11/2012	5,130	790	<380	145	19.9	520	419	<5.0	--	
HA-7	8/27/2012	4,430 ¹⁰	550	<400	178	15.2	335	264	<1.0	--	
HA-7	11/12/2012	3,050	880	350	130	8.0	192	237	<1.0	--	
HA-7	2/1/2013	4,220	1,400	<430	98.8	14.3	339	259	<2.0	--	
HA-7	5/3/2013	8,320	670	300	142	21.3	647	570	<5.0	--	
HA-7	8/23/2013	4,480 J	1,200	<390	181	12 J	283	204	<2.0	--	
HA-7	11/20/2013	5,060	<400	<400	82	8.9	429	357	<5.0	--	
HA-7	2/7/2014	5,330	760	<400	89.2	9.6	322	226	<2.0	--	
HA-7	5/7/2014	4,450	<28	<48	141	11.9	299	247	<0.17	--	
HA-8	4/14/1993	8,100	--	--	140	150	200	1,100	--	--	
HA-8	12/15/1993	3,200	--	--	100	68	11	390	--	--	
HA-8	11/4/1994	610	--	--	25	2.9	15	54	--	--	
HA-8	9/18/1997	2,840	6,760	2,360	29.2	11.9	19.8	239	--	--	
HA-8	5/1/1998	4,300	14,000	19,000	110	130	190	600	--	--	
HA-8	7/29/1999	6,000	2,200	<200	37	30	140	1,000	--	--	
HA-8	5/22/2000	1,100	810	700	13	9.7	28	170	--	--	
HA-8	5/22/2001	650	800	350J	15	3.8	26	95	--	--	
HA-8	6/5/2002	1,200	3,000	1,100	6.8	4.4	31	160	--	--	
HA-8	11/19/2002	135	--	--	2.07	4.11	1.76	7.42	--	--	
HA-8	11/24/2002	579	<0.25	<0.5	5.78	16.9	12.6	57.8	--	--	
HA-8	1/14/2003	633	--	--	4.02	16.5	16.3	207	--	--	
HA-8	2/24/2003	5,720	0.767	<0.5	14.6	74.5	232	1,570	--	--	
HA-8	3/25/2003	1,950	0.544	<0.5	6.17	22.0	73.0	445	--	--	
HA-8	4/18/2003	3,040	<0.25	<0.5	12.1	35.9	160	708	--	--	
HA-8 (DUP)	4/18/2003	3,650	0.257	<0.5	11.9	41.1	164	762	--	--	
HA-8	5/28/2003	67,000	1,800	530	11,000	16,000	1,100	5,400	--	--	
HA-8	6/15/2004				LPH Encountered						
HA-8	6/20/2005				LPH Encountered						
HA-8	6/6/2006				LPH Encountered						
HA-8	10/23/2006				LPH Encountered						
HA-8	3/14/2007				LPH Encountered						
HA-8	9/11/2007	4,230	31,000	1,270J	2,360	7,210	408	2,310	--	--	
HA-8	6/3/2008	43,800	2,250	719	3,730	14,800	956	4,650	--	--	
HA-8	8/26/2008	34,600 ¹	2,620 ^{1,4}	778 ^{1,4}	3,770 ¹	10,700 ¹	763 ¹	3,750 ¹	<0.42 ¹	<74.4 ¹	
HA-8	3/24/2010	115	<77.7	<388	<1.0	<1.0	<1.0	15.6	<1.0	<250	
HA-8	8/27/2010	54,600	434	<388	2,200	11,900	964	4,240	<1.0	<250	
HA-8	2/11/2011	68.2	78.2	<377	<1.0	<1.0	<1.0	17.4	<1.0	--	
HA-8	8/15/2011	3,680	170	<380	78.2	287	132	576	<1.0	--	
HA-8	2/27/2012	87.3	<76	<380	<1.0	<1.0	<1.0	10.5	<1.0	--	
HA-8	8/27/2012	<50.0	<82	<410	5.9	<1.0	<1.0	<3.0	<1.0	--	
HA-8	2/1/2013	238	<430	<430	<1.0	<1.0	<1.0	38.2	<1.0	--	
HA-8	8/23/2013	375	400	<400	15.6	7.3 J	20.1	32.1	<1.0	--	
HA-8	2/7/2014	1,240	<400	<400	2	<1.0	6.4	128	<1.0	--	
HA-9	4/14/1993	74,000	--	--	1,700	2,000	2,100	14,000	--	--	
HA-9	12/15/1993	50,000	--	--	990	1,300	130	9,300	--	--	
HA-9	11/4/1994	55,000	--	--	570	91	1,200	8,200	--	--	
HA-9	9/18/1997	21,800	6,100	<1,000	142	22.8	372	2,460	--	--	
HA-9	4/29/1998	32,000	44,000	<25,000	410	60	1,200	4,500	--	--	

Table 6

**Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES		
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --	
CA Method A Screening Levels:											
HA-9	5/24/2000	7,400	12,000	3,400	310	21	320	380	--	--	
HA-9	5/23/2001	3,400	15,000	<2,000	290	15	290	490	--	--	
HA-9	6/4/2002	12,000	5,300	1,000J	530	13	810	910	--	--	
HA-9	11/26/2002	6,110	--	--	249	3.55	349	187	--	--	
HA-9	5/28/2003	9,500	3,800	<1,100	310	6.3	610	190	--	--	
HA-9	6/17/2004	4,300	--	--	250	2.1	280	6.8	--	--	
HA-9	6/20/2005	4,800	15,000	1,800J	220	2.4	260	5.8	--	--	
HA-9	6/6/2006	3,750j	3,220	337u	177	3.58	435	420	--	--	
HA-9	10/24/2006	7,050	3,080	248	248	2.58	580	8.43	--	--	
HA-9	3/15/2007	6,360	3,100	<82.2	245	5.66	468	8.72	--	--	
HA-9	9/11/2007	5,600	4,290	702	399	10.1	345	50.0	--	--	
HA-9	6/4/2008	5,870	1,340	165J	130	4.37	141	10.8	--	--	
HA-9	8/27/2008	5,730 ¹	3,160 ^{1,4}	705 ^{1,4}	388 ¹	7.34 ¹	277 ¹	13 ¹	<0.42 ¹	<74.4 ¹	
HA-9	3/25/2010				Insufficient Groundwater to Sample						
HA-9	8/25/2010	4,180	--	--	388	17.1	260	199	<1.0	<250	
HA-9	2/8/2011	4,330	753	<379	127	6.3	115	9.8	<1.0	--	
HA-9	5/17/2011	5,240	--	--	177	4.9	156	9.5	<1.0	--	
HA-9	8/11/2011	6,530	950	<620	195	4.2	151	8.7	<1.0	--	
HA-9	11/22/2011	6,320	1,200	<380	206	5	160	10.2	<1.0	--	
HA-9	2/29/2012	4,640	860	<390	147	5.5	119	11.1	<1.0	--	
HA-9	5/15/2012	4,610	980	<410	218	8.8	152	32.1	<1.0	--	
HA-9	8/29/2012	4,520	2,400	790	199	3.5	160	8.6	<1.0	--	
HA-9	11/14/2012	3,920	900	<110	207	3.3	74.8	7.7	<1.0	--	
HA-9	2/4/2013	2,890	940	<440	110	3	60.6	7	<1.0	--	
HA-9	5/8/2013	4,500	560	<200	195	3.3	103	6.6	<1.0	--	
HA-9	11/21/2013	4,060	710	<400	205	5.2	118	6.7	<2.0	--	
HA-9	2/6/2014	3,020	870	<400	15.2	<1.0	5.7	<3.0	<1.0	--	
HA-9	5/2/2014	3,020	1,300	<28	77.7	2.7	47.3	<0.40	<0.17	--	
HA-10	4/14/1993	77,000	--	--	540	4,600	1,800	12,000	--	--	
HA-10	12/15/1993	24,000	--	--	430	410	1,400	3,800	--	--	
HA-10	5/23/2001				Well not sampled, bailer obstructed from reaching well bottom						
HA-10	6/6/2002	8,900	--	--	44	66	530	1,600	--	--	
HA-10	5/27/2003				Well not sampled, bailer obstructed from reaching well bottom						
HA-10	6/17/2004				Well not sampled, bailer obstructed from reaching well bottom						
HA-10	6/21/2005	3,500	--	--	23	7	170	320	--	--	
HA-10	6/6/2006	852	999	97.5	52.6	5.50J	63.7	19.1J	--	--	
HA-10	10/24/2006	2,280	--	--	36.2	<0.220	47.4	99.4	--	--	
HA-10	3/15/2007	4,590	1,610	371	49.8	13.2	332	425	--	--	
HA-10	9/12/2007				Insufficient Groundwater to Sample						
HA-10	6/4/2008	4,710	--	--	16.1	7.79	175	283	--	--	
HA-10	8/27/2008	2,160 ¹	2,400 ^{1,3}	510 ^{1,2}	5.61 ¹	5.32 ¹	34.4 ¹	39.2 ¹	<0.42 ¹	<74.4 ¹	
HA-10	3/24/2010				Insufficient Groundwater to Sample						
HA-10	8/25/2010	2,170	--	--	7.1	7.5	68.5	130	<1.0	<250	
HA-10	2/8/2011				Insufficient Groundwater to Sample						
HA-10	5/17/2011	508 J	1,300	<2400	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--	
HA-10	8/11/2011	2,210	--	--	10.1	5.7	49.9	73.5	<1.0	--	
HA-10	11/21/2011	1,430 J	140 J	<570 J	5.5 J	2.8 J	37.2 J	56.6 J	<1.0 J	--	
HA-10	2/29/2012	489	1,900	1,700	<1.0	1.5	10.3	5.3	<1.0	--	
HA-10	5/16/2012	816	--	--	1.5	3.7	15.0	10.3	<1.0	--	
HA-10	8/29/2012	1,020	--	--	3.1	3.5	24.2	18.5	<1.0	--	
HA-10	11/14/2012	286	<110	<110	<1.0	<1.0	12.5	3.5	<1.0	--	
HA-10	1/31/2013	218	<450	<450	<1.0	<1.0	9.4	<3.0	<1.0	--	
HA-10	5/2/2013	490	--	--	<1.0	3	18.3	9.3	<1.0	--	
HA-10	8/20/2013	274	--	--	<1.0	1.9 J	6.1	4	<1.0	--	
HA-10	11/27/2013	101	<950	<950	<1.0	<1.0	5.6	<3.0	<1.0	--	
HA-10	5/2/2014	<50	<48	<28	<0.15	<0.11	3.1	<0.40	<0.17	--	
HA-11	4/14/1993	29,000	--	--	910	42	820	3,700	--	--	
HA-11	12/15/1993	5,300	--	--	360	160	98	780	--	--	
HA-11	11/4/1994	13,000	--	--	610	190	300	1,900	--	--	
HA-11	4/29/1998	4,600	4,200	1,800	230	28	100	520	--	--	

Table 6

**Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES		
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --	
HA-11	5/24/2000	13,000	3,300	1,400	710	200	450	2,300	--	--	
HA-11	5/23/2001	6,100	--	--	570	83	280	910	--	--	
HA-11	6/4/2002	3,000	--	--	660	18	100	450	--	--	
HA-11	5/27/2003	16,000	--	--	1,400	74	560	2,300	--	--	
HA-11	6/21/2005	4,100	--	--	500	6.6	150	460	--	--	
HA-11	6/7/2006	8,760	3,320j	147J	662	17.0	443	1,420	--	--	
HA-11	10/24/2006	7,410	3,560	1,370	1,510	12.2	385	710	--	--	
HA-11	3/15/2007	5,180	3,700	508	504	8.96	294	842	--	--	
HA-11	9/12/2007				Insufficient Groundwater to Sample						
HA-11	6/4/2008	4,290	--	--	602	4.46	159	415	--	--	
HA-11	8/25/2008				Insufficient Groundwater to Sample						
HA-11	3/24/2010	3,080	--	--	384	5.1	215	595	<1.0	<250	
HA-11	8/25/2010	5,350	--	--	988	18.6	430	1,230	<1.0	<250	
HA-11	2/8/2011				Insufficient Groundwater to Sample						
HA-11	5/18/2011	8,740 J	<77	<380	442 J	8.5 J	344 J	682 J	<1.0 J	--	
HA-11	8/11/2011	4,840	--	--	736	4.3	167	329	<1.0	--	
HA-11	11/21/2011	3,280 J	<180 J	<890 J	559 J	3.1 J	109 J	150 J	<1.0 J	--	
HA-11	2/29/2012	4,060	250	<480	271	3	228	459	<1.0	--	
HA-11	5/15/2012	3,890	--	--	318 ^(C0, E)	7	198	463	<1.0	--	
HA-11	8/29/2012	5,390 ¹⁰	--	--	543	28.3	276	570	<1.0	--	
HA-11	11/15/2012	1,610	--	--	302	<2.0	24.3	130	<2.0	--	
HA-11	2/4/2013	1,460	<490	<490	185	1.6	112	220	<1.0	--	
HA-11	5/2/2013	1,780	1,500	450	--	--	--	--	--	--	
HA-11	11/21/2013	1,390	620 J	<400	207	1.9	136	322	<1.0	--	
HA-11	2/13/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--	
HA-11	4/30/2014	1,660	<48	<28	202	<0.55	111	219	<0.84	--	
HA-12	4/14/1993	<50	--	--	1.3	<0.50	<0.50	<1.0	--	--	
HA-12	12/15/1993	700	--	--	6.0	5.7	16	170	--	--	
HA-12	11/4/1994	300	--	--	2.2	1.6	1.8	9.7	--	--	
HA-12	9/18/1997	139	6,350	<500	1.05	<0.50	<0.50	1.9	--	--	
HA-12	5/1/1998	<50	<80	780	0.3	0.5	0.3	1.5	--	--	
HA-12	7/29/1999	<48	180J	200	3	0.8J	<0.2	1.3J	--	--	
HA-12	5/22/2000	<48	250	520	1.2	0.24J	<0.2	<0.6	--	--	
HA-12	5/22/2001	<48	410	<200	3.7	0.24J	<0.2	<0.6	--	--	
HA-12	6/5/2002	<48	130J	<95	0.31J	<0.2	<0.2	<0.6	--	--	
HA-12	11/25/2002	93.7	<0.25	<0.5	0.957	3.85	1.52	10.8	--	--	
HA-12	5/28/2003	<48	280	610	0.4J	<0.2	<0.2	<0.6	--	--	
HA-12	6/16/2004	<48	490	250J	4.5	0.3J	<0.2	0.8J	--	--	
HA-12	6/21/2005	<48	180J	<100	0.3J	<0.2	0.5J	<0.6	--	--	
HA-12	6/7/2006	<40	165	70.1J	<0.290	<0.280	<0.340	<0.820	--	--	
HA-12	10/24/2006	58.2Ju	103	564	4.85	1.60	0.860J	0.870J	--	--	
HA-12	3/15/2007	71.6J	90.3J	<37.0	<0.330	<0.420	0.530J	0.630J	--	--	
HA-12	9/11/2007	72.6J	283	181	<0.330	<0.420	<0.420	<0.450	--	--	
HA-12	6/4/2008	110	228	316	0.310J	<0.280	0.570J	1.05J	--	--	
HA-12	8/27/2008	<43 ¹	584 ^{1,5}	722 ^{1,5}	<0.27 ¹	1.23 ¹	0.38 ¹	<0.86 ¹	<0.42 ¹	<74.4 ¹	
HA-12	3/24/2010	<50.0	<76.9	<385	<1.0	<1.0	<1.0	<3.0	<1.0	<250	
HA-12	8/25/2010				Insufficient Groundwater to Sample						
HA-12	5/25/2011	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--	
HA-12	11/21/2011	<50.0 J	<77 J	450 J	<1.0 J	<1.0 J	1.3 J	<3.0 J	<1.0 J	--	
HA-12	5/11/2012	<100	<77	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--	
HA-12	11/12/2012	<100	<100	<100	<1.0	<1.0	<1.0	<3.0	<1.0	--	
HA-12	5/3/2013	<100	<200	310	<1.0	<1.0	<1.0	<3.0	<1.0	--	
HA-12	11/20/2013	<100	710	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--	
HA-12	5/7/2014	<50	<48	<28	<0.15	<0.11	<0.16	<0.40	<0.17	--	
HA-13	4/14/1993	<50	--	--	<0.50	<0.50	<0.50	<1.0	--	--	
HA-13	12/15/1993	<50	--	--	<0.50	<0.50	<0.50	<1.0	--	--	
HA-13	11/4/1994	<50	--	--	<0.50	1.4	<0.50	3.0	--	--	
HA-13	9/18/1997	59	310	<500	<0.50	<0.50	<0.50	<1.0	--	--	
HA-13	4/30/1998	<250	<250	<500	<1.0	1.00	<1.0	<3.0	--	--	
HA-13	7/28/1999	--	--	--	--	--	--	--	--	--	

Table 6

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
HA-13	5/22/2000	<48	130J	450J	<0.2	<0.2	<0.2	<0.6	--	--
HA-13	5/22/2001	<48	86J	<200	<0.2	<0.2	<0.2	<0.6	--	--
HA-13	6/4/2002	<48	<84	<110	<0.2	<0.2	<0.2	<0.6	--	--
HA-13	11/25/2002	<50	<0.25	<0.5	0.569	1.80	0.667	5.74	--	--
HA-13	2/24/2003	<50	<0.25	<0.5	<0.5	<0.5	<0.5	1.08	--	--
HA-13	3/25/2003	98.4	<0.25	<0.5	<0.5	0.580	<0.5	<1	--	--
HA-13	4/18/2003	<50	<0.25	<0.5	<0.5	<0.5	0.500	<1	--	--
HA-13	5/27/2003	7,100	84J	<96	43	290	120	840	--	--
HA-13	9/11/2003	498	NA	NA	3.38	28.9	7.87	60.6	--	--
HA-13	11/21/2003	<50	<0.25	<0.5	<0.5	0.877	<0.5	1.15	--	--
HA-13	3/15/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
HA-13	6/16/2004	<48	<77	<96	<0.2	<0.2	<0.2	<0.6	--	--
HA-13	6/22/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
HA-13	9/21/2004	<50	0.868	<0.5	0.598	<0.5	<0.5	<1	--	--
HA-13	12/21/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
HA-13	3/22/2005	<100	<0.237	<0.474	<1	<1	<1	<3	--	--
HA-13	6/21/2005	<48	230J	<200	<0.2	<0.2	0.5J	0.27J	--	--
HA-13	6/24/2005	<100	0.311	<0.473	<1	<1	<1	<3	<1	--
HA-13	7/28/2005	5800	1100	380	<0.3	9.8	22	380	<0.3	--
HA-13	9/20/2005	130	--	--	3.6	11.0	1.4	8.8	--	--
HA-13	11/29/2005	<48	79	<95	<0.5	<0.7	<0.8	<0.8	--	--
HA-13	2/28/2006	<48	<78	<97	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-13	5/16/2006	<48	<81	<100	<0.2	<0.2	<0.2	<0.6	<0.3	--
HA-13	6/7/2006	<40	163	329	<0.290	<0.280	<0.340	<0.820	--	--
HA-13	8/17/2006	<48	<270	<330	<0.5	<0.7	<0.7	<0.8	<0.5	--
HA-13	10/24/2006	100	<37.8	<37.8	7.34	1.83	0.770J	0.750J	--	--
HA-13	11/21/2006	<48	<75	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-13	2/20/2007	<48	<75	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-13	3/15/2007	63.6J	59.7J	110	<0.330	<0.420	<0.420	0.500J	--	--
HA-13	5/15/2007	<50	<130	<170	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-13	9/11/2007	47.5J	--	--	0.580J	<0.420	<0.420	0.700J	--	--
HA-13	9/12/2007	<50	450	<200	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-13	11/27/2007	<50	<300	<370	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-13	2/26/2008	<50	<75	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-13	6/4/2008	52.3J	41.1J	58.9J	<0.270	<0.280	0.410J	<0.860	--	--
HA-13	8/27/2008	57.7 ^{1,6}	34.1 ¹	53.9 ¹	<0.27 ¹	0.92 ¹	0.24 ¹	<0.86 ¹	<0.42 ¹	<74.4 ¹
HA-13	3/24/2010	<50.0	<75.8	<379	<1.0	<1.0	<1.0	<3.0	<1.0	<250
HA-13	8/27/2010	<50.0	--	--	<1.0	2.0	<1.0	3.0	<1.0	<250
HA-13	2/10/2011	<50.0	<75.5	<377	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-13	8/12/2011	<50.0	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-13	8/12/2011	<50.0	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-13	2/28/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-13	8/23/2012	<50.0	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-13	1/29/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-13	8/22/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-13	2/7/2014	<100	<400	<400	<1.0	1.1	<1.0	<3.0	<1.0	--
HA-14	4/14/1993	5,300	--	--	400	22	290	1,000	--	--
HA-14	12/15/1993	<50	--	--	<0.50	<0.50	<0.50	<1.0	--	--
HA-14	11/4/1994	180	--	--	5	1.8	3.9	11	--	--
HA-14	9/18/1997	324	972	752	6.45	1.06	7.98	9.17	--	--
HA-14	4/30/1998	1,800	460	<500	210	15	190	100	--	--
HA-14	7/29/1999	4,700	1,100	<200	450	38	710	120	--	--
HA-14	5/22/2000	3,700	1,100	520J	470	26	760	63	--	--
HA-14	5/22/2001	890	430	230J	120	5.5	200	10	--	--
HA-14	6/4/2002	2,200	1,400	1,000	380	16.0	470	32	--	--
HA-14	11/25/2002	939	<0.25	<0.5	141	15.7	169	48.1	--	--
HA-14	4/18/2003	1,190	<0.25	<0.5	133	8.87	228	23.7	--	--
HA-14	5/27/2003	860	300	220J	91	2.7	140	11	--	--
HA-14	6/16/2004	220J	780	280J	56	2.6	52	5	--	--
HA-14	6/21/2005	1,200	660	390J	260	5.8	250	18	--	--
HA-14	6/7/2006	<40	--	--	<0.290	<0.280	0.560J	<0.820	--	--

Table 6

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Sample Location CA Method A Screening Levels:	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
HA-14	10/24/2006	288	--	--	12.3	2.06	9.60	1.42J	--	--
HA-14	3/15/2007	121	187	50.1J	4.09	<0.420	4.99	0.610J	--	--
HA-14	9/11/2007	628	--	--	92.8	1.30	157	3.45	--	--
HA-14	6/4/2008	529	1,150	1,820	30.1	0.780J	67.5	1.71J	--	--
HA-14	8/27/2008	350 ¹	513 ^{1,5}	863 ^{1,5}	31.5 ¹	2.25 ¹	72.1 ¹	2.63 ¹	<0.42 ¹	<74.4 ¹
HA-14	3/24/2010	1,150	1,030	2,560	92	1.4	369	6.6	<1.0	<250
HA-14	8/27/2010	1,120	--	--	155	6.0	321	3.5	<1.0	<250
HA-14	2/10/2011	231	161	<377	12.8	<1.0	67.3	4	<1.0	--
HA-14	5/25/2011	2,250	110	<380	106	5.6	316	12	<1.0	--
HA-14	8/12/2011	1,890	--	--	159	10.1	281	12.4	<1.0	--
HA-14	2/28/2012	<50.0 J	<77	<380	<1.0 J	<1.0 J	<1.0	<3.0	<1.0	--
HA-14	8/23/2012	198	--	--	42.4	2.4	13.2	5.5	<1.0	--
HA-15	1/14/2003	344	NA	NA	3.34	0.672	<0.5	2.51	--	--
HA-15	2/24/2003	1,250	0	<0.5	12.9	5.57	9.8	69.6	--	--
HA-15	3/25/2003	910	0	<0.5	7.47	1.55	1.12	3.99	--	--
HA-15	4/18/2003	658	<0.25	<0.5	7.21	1.88	0.716	6.47	--	--
HA-15	3/15/2004	336	1	<0.5	5.85	0.765	<0.5	1.34	--	--
HA-15	12/21/2004	1,350	<0.25	<0.5	12.2	0.824	3.01	2.74	--	--
HA-15 (DUP)	12/21/2004	1,570	<0.25	<0.5	13.4	0.952	4.02	3.11	--	--
HA-15	3/22/2005	<100	<0.237	<0.474	<1	<1	<1	<3	--	--
HA-15	6/24/2005	<100	<0.525(d)	<0.956	<1	<1	<1	<3	<1	--
HA-15	2/28/2006	58	<280	<96	13	<0.7	<0.8	<0.8	<0.5	--
HA-15	5/16/2006	58	360	<97	16	2.5	1.5	1.6	50	--
HA-15	8/17/2006				Insufficient Groundwater to Sample					
HA-15	11/21/2006	360	1,400	670	320	20	27	9	<0.5	--
HA-15	2/20/2007				Insufficient Groundwater to Sample					
HA-15	5/15/2007				Insufficient Groundwater to Sample					
HA-15	9/12/2007				Insufficient Groundwater to Sample					
HA-15	11/26/2007				Insufficient Groundwater to Sample					
HA-15	2/26/2008	340	1,700	590	18	0.9	3	2	<0.5	--
HA-15	2/18/2009	120	<150	<770	19	1.5	4.7	14	<1	<400
HA-15	8/25/2009				Insufficient Groundwater to Sample					
HA-15	3/24/2010	811	248	<392	127	7	34.2	68.3	<1	<250
HA-15	8/23/2010				Insufficient Groundwater to Sample					
HA-16	12/21/2004	17,900	4	2	112	533	272	1,660	--	--
HA-16	3/22/2005	17,500	2.89(d)	<0.488	100	518	253	1,521	--	--
HA-16	6/24/2005	20,400	2,200(a)	<0.479	436	760	374	2,359	<10	--
HA-16	7/28/2005	6,900	3,400	<940	180	94	80	440	<1	--
HA-16	9/20/2005	14,000	--	--	620	1,000	270	1,500	--	--
HA-16	11/30/2005	150	240	<94	7	8	2	13	--	--
HA-16 (DUP)	11/30/2005	2,100	450	<94	19	24	19	96	--	--
HA-16	3/1/2006	95	120	<95	170	1	3	11	<0.5	--
HA-16 (DUP)	3/1/2006	430	500	<95	420	2	13	19	<0.5	--
HA-16	5/16/2006	<48	94	95	120	0.6	0.4	1.7	<5	--
HA-16 (DUP)	5/16/2006	360	120	<95	150	1.9	2.8	12	<5	--
HA-16	8/17/2006				Insufficient Groundwater to Sample					
HA-16	11/21/2006	25,000	650	110	2,500	4,200	450	1,400	<3	--
HA-16	2/20/2007	18,000	970	130	3,300	2,000	560	1,600	<3	--
HA-16	5/15/2007	970	190	<96	260	53	47	120	<0.5	--
HA-16	9/12/2007	2,600	900	250	510	480	120	440	<0.5	--
HA-16	11/27/2007	2,100	1,200	<190	250	98	87	220	<0.5	--
HA-16	2/26/2008	240	<75	<94	44	3	6	20	<0.5	--
HA-16	8/26/2008	36,000	2,600	<95	2,600	7,400	550	2,800	<3	<250
HA-16	2/19/2009	8,540	--	--	830	1,200	250	1,100	<1	<400
HA-16	8/25/2009				Insufficient Groundwater to Sample					
HA-16	3/24/2010	5,180	119	<385	367	55.6	229	922	1	<250
HA-16	8/26/2010	14,000	347	<1,330	1,720	1,730	686	2,400	<1.0	<250
HA-16	2/11/2011	5,930	161	<377	177	266	129	804	<1.0	--
HA-16	5/25/2011	4,690	160	<460	403	89.7	166	647	<1.0	--
HA-16	8/15/2011	5,070	--	--	553	163	189	575	<1.0	--

Table 6

**Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES		
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --	
HA-16	2/27/2012	513	<76	<380	35.6	47.7	25.4	76.5	<1.0	--	
HA-16	8/24/2012	3,730	--	--	763	51.9	135	575	<1.0	--	
HA-16	1/31/2013	5,000	510	<440	539	675	145	875	<5.0	--	
HA-16	8/22/2013	11,600	<450	<450	3,700	697	311	7,550	<1.0	--	
HA-16	2/11/2014	9,950	<400	<400	872	705	356	1,760	<1.0	--	
HA-17	1/14/2003	548	NA	NA	10.2	<1.25	1.55	2.61	--	--	
HA-17	5/29/2003	2,090	<0.25	<0.5	50	129	80.1	322	--	--	
HA-17	11/20/2003	585	1	<0.5	8.92	<0.5	<0.5	<1	--	--	
HA-17	3/15/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--	
HA-17	12/21/2004	335	<0.25	<0.5	6.35	<0.5	<0.5	<1	--	--	
HA-17	3/22/2005	<100	<0.237	<0.473	11.6	<1	9.96	<3	--	--	
HA-17	6/24/2005	<100	1	<0.475	1.57	<1	<1	<3	<1	--	
HA-17	7/28/2005	<48	--	--	2.3	<0.2	0.3	<0.6	<0.3	--	
HA-17	11/30/2005	55	450	<94	1	<1	<2	<2	--	--	
HA-17	3/1/2006	<48	340	<96	<0.5	<0.7	<0.8	<0.8	<0.5	--	
HA-17	5/16/2006	<48	280	<95	0.4	<0.2	<0.2	<0.6	<5	--	
HA-17	8/17/2006				Insufficient Groundwater to Sample						
HA-17	11/21/2006	<48	220	120	1	<0.7	<0.8	<0.8	<0.5	--	
HA-17	2/20/2007	<48	1,700	<470	<0.5	<0.7	<0.8	<0.8	<0.5	--	
HA-17	5/15/2007	<50	--	--	1	1	<0.8	<0.8	<0.5	--	
HA-17	9/12/2007				Insufficient Groundwater to Sample						
HA-17	11/27/2007	<50	770(p)	<140	<0.5	<0.7	<0.8	<0.8	<0.5	--	
HA-17	2/26/2008	<50	570	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	
HA-17	2/18/2009	<50	88	<410	<1	<1	<1	<1	<1	<400	
HA-17	8/25/2009				Insufficient Groundwater to Sample						
HA-17	3/23/2010	55	<77.7	<388	<1	<1	<1	<3	<1	<250	
HA-17	8/23/2010				Insufficient Groundwater to Sample						
HA-18	1/14/2003	11,400	NA	NA	40.3	75.9	810	2,220	--	--	
HA-18	5/29/2003	31,000	8	<0.5	95	157	2,440	7,840	--	--	
HA-18	11/20/2003	28,000	7	<0.5	284	178	1,950	6,400	--	--	
HA-18	12/21/2004	4,600	1	<0.5	21.9	26.8	188	440	--	--	
HA-18	3/22/2005	7,690	1.33(d)	<0.473	27.1	10.2	333	578.2	--	--	
HA-18	6/24/2005	9,810	6.83 (d)	0.594 (d)	32.3	12.4	439	907.3	<5	--	
HA-18	7/28/2005	8,200	--	--	39	29	230	620	<1	--	
HA-18	3/1/2006	780	340	<95	72	0.8	69	6	<0.5	--	
HA-18	5/16/2006	2,100	520	<94	40	3.8	93	140	<25	--	
HA-18	8/17/2006	3,800	2,700	160	51	9	170	250	<0.5	--	
HA-18	11/21/2006	3,400	2,700	650	52	23	130	240	<0.5	--	
HA-18	2/20/2007	5,000	740	180	49	18	230	460	<0.5	--	
HA-18	5/15/2007				Insufficient Groundwater to Sample						
HA-18	9/12/2007				Insufficient Groundwater to Sample						
HA-18	11/27/2007	480	4,700(q)	<370	14	4	3	7	<0.5	--	
HA-18	2/26/2008	720	4,100	740	17	4	34	21	<0.5	--	
HA-18	2/19/2009	615	240	<400	37	29	36	87	<1	<400	
HA-18	8/25/2009				Insufficient Groundwater to Sample						
HA-18	3/23/2010	1,390	135	<385	98.9	18.4	91.0	132	<1.0	<250	
HA-18	8/23/2010				Insufficient Groundwater to Sample						
HA-19	8/25/2008	<50	<75	<94	<0.5	<0.7	<0.8	<0.8	<0.5	<50	
HA-19	8/25/2009				Insufficient Groundwater to Sample						
HA-19	3/23/2010				Insufficient Groundwater to Sample						
HA-19	8/23/2010				Insufficient Groundwater to Sample						
HA-19	5/25/2011	216	<83	<420	33.8	13.5	2	9.1	<1.0	--	
HA-19	11/21/2011	<50.0 J	<76 J	<380 J	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--	
HA-19	5/11/2012	<100	<100	<500	<1.0	<1.0	<1.0	<3.0	<1.0	--	
HA-19	11/8/2012	<100	<110	<110	<1.0	<1.0	<1.0	<3.0	<1.0	--	
HA-19	5/3/2013	<100	<200	300	<1.0	<1.0	<1.0	<3.0	<1.0	--	
HA-19	11/20/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--	
HA-19	5/8/2014	<50	<30	<52	<0.15	<0.11	<0.16	<0.40	<0.17	--	
HA-20	7/28/2005	230,000	6,900	<940	28,000	47,000	2,900	16,000	<150	--	

Table 6

**Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
HA-20	11/30/2006	110,000	4,900	<190	19,000	28,000	1,500	8,500	--	--
HA-20	8/25/2008	18,000	4,300	<940	5,800	5,800	1,200	5,500	<1	<100
HA-20	2/19/2009	292	93	<410	67	33	13	42	<1	<400
HA-20	8/25/2009	18,100	1,300	<390	10,900 (8)	2,020 (8)	941	3,220 (8)	<1	<250
HA-20 (DUP)	8/25/2009	22,200	1,900	180J	12,200	2,750	1,100	3,790	<1	<250
HA-20	3/24/2010	7,070	2,450	<381	4,100	2,170	109	435	<1	<250
HA-20	8/26/2010	69,700	712	<388	14,600	23,100	932	4,810	<1.0	<250
HA-20 (DUP)	8/26/2010	56,800	767	<426	13,800	14,600	1,400	6,010	<1.0	<250
HA-20	2/11/2011	<50.0	<76.9	<385	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-20	5/25/2011	24,000	240	<380	4,540	4,860	302	939	<1.0	--
HA-20	8/15/2011	8,660	200 J	<380 J	5,270	2,190	534	1,850	<1.0	--
HA-20	11/18/2011	29,600	200	<380	3,720	4,560	592	2,690	<1.0	--
HA-20	2/27/2012	<50.0	<76	<380	2.2	1.9	1.2	4.7	<1.0	--
HA-20	5/16/2012	660	<76	<380	280	37.7	35.1	85.5	<1.0	--
HA-20	8/24/2012	9,220 ¹⁰	170	<400	4,100	964	378	1,470	<1.0	--
HA-20	11/9/2012	4,440	920	<110	1,360	224	179	638	<1.0	--
HA-20	2/4/2013	320	<430	<430	130	1.5	1.8	70.1	<1.0	--
HA-20	5/3/2013	2,740	<200	250	53.6	11.8	<2.0	540	<2.0	--
HA-20	8/22/2013	2,760	850	<420	3,850	134	129	666	<5.0	--
HA-20	11/20/2013	921	<400	<400	508 J	46	42	111	<2.0	--
HA-20	2/11/2014	13,800	600	440	3,910	1,550	470	2,190	<10.0	--
HA-20	5/6/2014	<50	<48	<28	5.9	<0.11	<0.16	<0.40	<0.17	--
LAI-1	1/15/2003	4,120	--	--	728	935	23	120	--	--
LAI-1	2/26/2003	15,100	1	<0.5	2,150	3,680	116	979	--	--
LAI-1	3/24/2003	47,500	1	<0.5	7,970	15,000	739	4,250	--	--
LAI-1	3/1/2006	190,000	860	<190	4,500	41,000	2,800	16,000	<13	--
LAI-1	5/17/2006	270,000	1,400	<470	10,000	56,000	3,300	21,000	<200	--
LAI-1	8/16/2006	130,000	2,800	240	11,000	23,000	3,000	14,000	<50	--
LAI-1	11/20/2006	11,000	880	<95	1,900	25	400	1,300	<1	--
LAI-1	2/19/2007	260,000	2,900	<470	13,000	58,000	3,200	19,000	<25	--
LAI-1	5/14/2007	290,000	3,200	<480	9,000	60,000	2,200	16,000	<	--
LAI-1	9/11/2007	21,000	510	<94	1,300	680	440	2,500	<1	--
LAI-1	11/26/2007	2,300	310	<99	1,100	10	130	410	<0.5	--
LAI-1	2/26/2008	23,000	2,400	<95	160	190	1,100	4,300	<1	--
LAI-1	8/26/2008	4,400	450	<95	12	4	300	560	<0.5	<50
LAI-1 (DUP)	8/26/2008	4,300	520	<95	12	5	200	360	<0.5	<50
LAI-1	2/19/2009	93,900	600	<410	470	19,000	1,500	9,800	<1	<400
LAI-1	8/25/2009	73,300	2,000	140 J	358	1,330	277	1,700	<1.0 (9)	<250
LAI-1	3/23/2010	114,000	800	<381	2,610	19,300	4,190	23,200	<1.0	<250
LAI-1	8/24/2010	57,700	812	<388	2,040	3,150	187	17,700	<1.0	<250
LAI-1	2/9/2011	59,300	692	<388	689	6,530	1,960	9,420	<1.0	--
LAI-1	5/16/2011	40,200 J	650	<380	615 J	887 J	1,620 J	6,420 J	<1.0 J	--
LAI-1 (DUP)	5/16/2011	41,400 J	650	<380	580 J	919 J	1,770 J	6,920 J	<1.0 J	--
LAI-1	8/9/2011	30,700 J	530	<400	1,370 J	303 J	1,620 J	6,680 J	<1.0	--
LAI-1	2/27/2012	53,000	460	<380	987	6,680	2,140	9,280	<1.0	--
LAI-1	9/4/2012	19,100 ¹⁰	600	<400	551	130	735	3,520	<1.0	--
LAI-1	2/5/2013	24,000	1,300	<430	79.6	2,320	933	5,600	<10.0	--
LAI-1	8/14/2013	54,600	2,800	<420	324	691	1,160	10,100	<5.0	--
LAI-1 (DUP)	8/14/2013	49,900	3,200	<420	404	601	1,080	9,750	<5.0	--
LAI-1	2/12/2014	88,200	860	<400	995	4,430	2,770	3,580	<1.0	--
LAI-2	1/15/2003	73	--	--	2.78	2.2	1.1	9.33	--	--
LAI-2 (DUP)	1/15/2003	103	--	--	3.39	3.36	1.68	15.1	--	--
LAI-2	5/29/2003	18,100	<0.25	<0.5	2,940	6,100	235	1,680	--	--
LAI-2 (DUP)	5/29/2003	18,800	0	<0.5	2,840	6,320	235	1,680	--	--
LAI-2	8/11/2003	8,950	1	<0.562	1,880	2,150	135	907	--	--
LAI-2 (DUP)	8/11/2003	6,620	1	<0.5	1,750	1,340	104	678	--	--
LAI-2	11/20/2003	1,330	0	<0.5	580	1.98	35.3	235	--	--
LAI-2	3/16/2004	120,000	2	<0.5	23,600	27,700	2,370	11,300	--	--
LAI-2	6/22/2004	17,600	0	<0.5	4,390	53.3	889	1,190	--	--
LAI-2 (DUP)	6/22/2004	20,400	<0.25	<0.5	4,960	51.4	1,020	1,340	--	--

Table 6

**Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
LAI-2	9/22/2004	6,150	1	<0.5	1,070	4.87	672	234	--	--
LAI-2 (DUP)	9/22/2004	6,020	1	<0.5	1,070	4.37	673	187	--	--
LAI-2	12/21/2004	9,920	<0.25	<0.5	2,080	<25	875	552	--	--
LAI-2	3/21/2005	22,900	1	<0.498	7,720	2,970	1,380	2,208	--	--
LAI-2	6/23/2005	123,000	4,150	<0.473	21,700	40,300	2,260	10,180	<200	--
LAI-2	7/29/2005	170,000	1,400	<190	18,000	28,000	3,100	15,000	30	--
LAIx-2	9/21/2005	32,000	1,400	<94	5,500	3,300	1,100	5,600	--	--
LAIx-2	12/1/2005	8,700	730	<94	1,700	230	330	1,300	--	--
LAIx-2 (DUP)	12/1/2005	8,700	830	<95	1,900	100	370	1,400	--	--
LAIx-2	3/1/2006	120,000	1,200	<190	13,000	24,000	1,500	8,500	<10	--
LAIx-2 (DUP)	3/1/2006	97,000	1,400	<190	12,000	15,000	1,600	8,100	<10	--
LAIx-2	5/17/2006	160,000	2,200	<470	21,000	32,000	2,800	14,000	<200	--
LAIx-2 (DUP)	5/17/2006	160,000	2,400	<470	21,000	31,000	2,900	14,000	<200	--
LAIx-2	8/16/2006	87,000	4,200	<1900	14,000	19,000	1,600	11,000	<5	--
LAIx-2	11/20/2006	20,000	810	<94	2,200	1,500	590	2,300	<1	--
LAIx-2	2/19/2007	150,000	2,600	<190	18,000	32,000	2,700	11,000	<25	--
LAIx-2	5/14/2007	180,000	4,600	<970	19,000	33,000	2,200	11,000	<25	--
LAIx-2	9/11/2007	17,000	1,800	150	2,400	470	680	2,600	<1	--
LAIx-2(u)	11/26/2007	8,500	380	<94	800	46	470	1,200	<0.5	--
LAIx-2	2/26/2008	780	<75	<94	9	1	26	70	<0.5	--
LAIx-2	8/26/2008	6,600	1,400	<95	350	330	330	970	<2	<200
LAIx-2	2/19/2009	29,500	320	<410	2,300	5,600	980	2,800	<100	<400
LAIx-2	8/25/2009	9,530	950	110J	3,710	37.8	990	1,330	<1	<250
LAIx-2	3/23/2010	7,400	166	<381	1,570	698	661	1,290	<1.0	<250
LAIx-2	8/24/2010	51,100	453	<385	7,600	12,100	155	7,910	<1.0	<250
LAIx-2	2/8/2011	66,400	487J	<385	6,780	13,000	1,350	4,240	<1.0	--
LAIx-2	5/16/2011	24,200 J	290	<380	2,500 J	3,630 J	851 J	2,140 J	<1.0 J	--
LAIx-2	8/9/2011	21,800 J	480	<390	3,700 J	1,810 J	1,080 J	3,680 J	<1.0	--
LAIx-2	2/27/2012	34,600	200	<380	3,220	6,960	1,260	3,890	<1.0	--
LAIx-2	9/4/2012	48,300 ¹⁰	700	<400	7,030	4,090	2,100	7,110	<1.0	--
LAIx-2	2/5/2013	3,830	<460	<460	236	76.6	257	747	<2.0	--
LAIx-2	8/14/2013	49,500	2,900	<400	5,000	3,740	1,420	7,030	<20.0	--
LAIx-2	2/13/2014	67,400	1,400	<400	5,540	9,610	1,710	8,140	<1.0	--
LAI-3	1/15/2003	67	--	--	0.5	3.19	1.36	8.45	--	--
LAI-3	2/26/2003	558	0.25	0.50	70.1	159	6.42	32.6	--	--
LAI-3	3/25/2003	573	0.25	0.50	61.6	176	8.43	39.5	--	--
LAI-3	4/17/2003	154	0.25	0.50	7.56	24.5	4	29.4	--	--
LAI-3	5/29/2003	301	0.25	0.50	151	40.7	0.951	4.63	--	--
LAI-3	8/11/2003	985	0.25	0.50	329	18.4	2.47	7.27	--	--
LAI-3	11/20/2003	50	0.25	0.50	9.2	0.5	0.5	1	--	--
LAI-3	3/16/2004	4,670	0.27	0.50	2,030	94.9	113	225	--	--
LAI-3	6/22/2004	2,880	0.25	0.50	1,580	5	50.7	69.4	--	--
LAI-3	9/22/2004	424	0.43	0.56	60.7	5	82.1	2.05	--	--
LAI-3	12/21/2004	62	0.25	0.50	0.542	0.5	2.31	1	--	--
LAI-3	3/21/2005	100	0.24	0.47	1	1	1	3	--	--
LAI-3	6/23/2005	2,200	0.748 (a)	0.47	2,360	119	184	200.4	20	--
LAI-3	7/29/2005	34,000	690	160	5,300	6,300	690	2,500	7.5	--
LAIx-3	9/21/2005	23,000	1,400	94	3,800	4,200	450	3,100	--	--
LAIx-3	11/30/2005	43,000	1,500	<96	8,200	9,200	400	5,300	--	--
LAIx-3 (DUP)	12/1/2005	45,000	1,800	<94	9,000	8,700	350	5,200	--	--
LAIx-3	3/1/2006	130,000	3,500	<970	18,000	26,000	1,800	10,000	<10	--
LAIx-3 (DUP)	3/1/2006	100,000	3,200	<950	16,000	13,000	1,700	9,500	<10	--
LAIx-3	5/17/2006	130,000	3,500	<950	19,000	24,000	2,300	12,000	--	--
LAIx-3 (DUP)	5/17/2006	110,000	3,300	<470	16,000	18,000	2,100	10,000	<30	--
LAIx-3	8/16/2006	20,000	3,900	<480	2,200	2,900	470	2,600	<0.5	--
LAIx-3	11/20/2006	13,000	910	<95	2,400	550	490	1,500	<1	--
LAIx-3	2/19/2007	120,000	2,700	<94	21,000	21,000	2,500	9,700	<25	--
LAIx-3	5/14/2007	150,000	4,300	<960	25,000	26,000	2,100	9,700	<25	--

Table 6

**Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
LAIx-3	9/11/2007	14,000	1,800	160	1,700	690	450	1,600	<0.5	--
LAIx-3(v)	11/26/2007	10,000	850	<94	1,600	22	560	1,100	<1	--
LAIx-3	2/26/2008	1,500	110	<95	18	<0.7	46	52	<0.5	--
LAIx-3	8/26/2008	3,800	1,000	130	310	450	160	290	<3	<250
LAIx-3	2/19/2009	12,400	420	<410	4,100	620	990	1,600	<100	<400
LAIx-3	8/25/2009	4,450	790	95J	3,660	10.3	719	310	<1	<250
LAIx-3	3/23/2010	30,000	342	<381	8,030	8,190	1,540	5,040	<1.0	<250
LAIx-3	8/24/2010	24,800	420	<430	8,640	4,130	1,400	4,840	<1.0	<250
LAIx-3	2/8/2011	18,100	292J	<385	3,070	2,720	767	2,440	<1.0	--
LAIx-3	5/16/2011	59,800	630	<380	8,230	12,700	1,790	7,590	<50.0	--
LAIx-3 (DUP)	5/16/2011	61,800 J	620	<380	8,260 J	12,800 J	1,810 J	7,710 J	<50.0 J	--
LAIx-3	8/10/2011	9,510	290	<400	3,050 J	72.1	534	1,250	<1.0	--
LAIx-3 (DUP)	8/10/2011	9,600	290	<390	3,010 J	68.4	542	1,280	<1.0	--
LAIx-3	11/15/2011	8,690 J	<75	<380	2,020	16.5	508	1,000	<1.0	--
LAIx-3	2/28/2012	71,300	750	<380	6,250	6,140	1,750	5,850	<1.0 J	--
LAIx-3	5/8/2012	33,500	620	<380	7,960	6,160	1,520	5,780	<5.0	--
LAIx-3	9/4/2012	31,700 ¹⁰	690	<390	7,850	141	1,800	5,440	<1.0	--
LAIx-3	11/13/2012	985	180	<110	97.1	<1.0	111	229	<1.0	--
LAIx-3	2/5/2013	1,860	<450	<450	217	1.3	258	152	<1.0	--
LAIx-3	5/1/2013	4,840	490	<500	1,580	302	469	592	<10.0	--
LAIx-3	8/14/2013	14,100	1,200	<400	6,260	23.8 J	1,040	1,800	<20.0	--
LAIx-3	11/22/2013	12,100	940 J	<400	6,100	55.5	839	1,430	<1.0	--
LAIx-3	2/13/2014	47,600	1,400	<400	8,840	3,540	1,780	6,350	<20.0	--
LAIx-3	4/30/2014	55,900	800	<28	10,100	7,060	1,590	6,410	<8.4	--
LAIx-3 (DUP)	4/30/2014	55,800	930	<29	9,760	6,830	1,510	6,060	<8.4	--
LAIx-4	8/26/2008	9,900	--	--	2,200	180	270	1,400	<1	<100
LAIx-5	11/29/2005	180,000	13,000	570	42,000	49,000	2,300	12,000	--	--
LAIx-5	8/26/2008	220,000	3,900	<480	31,000	45,000	3,600	19,000	<50	<5000
LAIx-5	2/17/2017	2,620	<390	<390	32.3	57.0	37.0	433	---	---
LAIx-5	9/28/2017	29,200	1,900	<430	9,600	174	1,020	6,400	---	---
LAIx-6	11/29/2005	70,000	9,700	600	22,000	22,000	850	4,300	--	--
LAIx-6	8/26/2008	190,000	6,300	<950	31,000	45,000	3,200	16,000	<25	<2500
LAIx-6	2/17/2017	38,900	1,200	<410	4,440	6,740	510	3,070	---	---
LAIx-6	2/17/2017	43,700	930	<390	5,090	6,890	561	3,410	---	---
LAIx-6	9/28/2017	134,000	3,200	<400	28,700	26,600	2,570	14,700	---	---
LAI-7	7/28/2005	160,000	17,000	<4700	160,000	32,000	2,500	14,000	<30	--
LAIx-7	9/21/2005	220,000	7,100	<950	43,000	55,000	4,300	21,000	--	--
LAIx-7	8/27/2008	79,000	4,200	<480	12,000	27,000	2,200	11,000	<13	<1300
LAIx-8	9/21/2005	140,000	6,400	<940	29,000	33,000	3,300	15,000	--	--
LAIx-8	11/29/2005	130,000	5,100	<190	33,000	35,000	2,900	14,000	--	--
LAIx-8	8/26/2008	180,000	7,300	<2000	28,000	40,000	3,300	16,000	<10	<1000
LAIx-9	11/29/2005	110,000	8,300	<950	37,000	45,000	2,600	21,000	--	--
LAIx-9	8/27/2008	140,000	3,800	<490	17,000	32,000	2,600	15,000	<10	<1000
LAI-10	2/26/2003	<50	<0.25	<0.5	<0.5	0.991	<0.5	1.37	--	--
LAI-10 (DUP)	2/26/2003	<50	<0.25	<0.5	<0.5	0.757	<0.5	1.18	--	--
LAI-10	3/24/2003	<50	<0.25	<0.5	1.35	2.67	<0.5	1.36	--	--
LAI-10	4/17/2003	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-10	5/28/2003	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-10	8/11/2003	<50	<0.25	<0.5	<0.5	1.75	0.757	4.54	--	--
LAI-10	11/20/2003	<50	2	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-10	3/16/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-10	6/22/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-10	9/22/2004	<50	0	<0.5	<0.5	0.666	<0.5	<1	--	--
LAI-10	12/21/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--

Table 6

**Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
LAI-10	3/21/2005	<100	<0.238	<0.475	<1	<1	<1	<3	--	--
LAI-10	6/23/2005	<100	<0.237	<0.474	3.52	<1	<1	<1	<1	--
LAI-10	7/29/2005	<48	<76	<95	23	0.3	<0.2	<0.6	<0.3	--
LAI-10	9/20/2005	<48	<75	94	32	2	0.5	2.8	--	--
LAI-10	12/1/2005	<48	200	<95	<0.5	<0.7	<0.8	<0.8	--	--
LAI-10 (DUP)	11/28/2005	<48	520	220	<0.5	1	<0.8	<0.8	--	--
LAI-10	2/28/2006	<48	<77	<96	<0.5	4	<0.8	<0.8	<0.5	--
LAI-10 (DUP)	3/1/2006	<48	88	<95	<0.5	10	<0.8	<0.8	<0.5	--
LAI-10	5/17/2006	<48	<75	<94	<0.2	3.4	<0.2	<0.6	<0.3	--
LAI-10 (DUP)	5/17/2006	<48	<75	<120	0.6	4.5	<0.2	<1	<0.3	--
LAI-10	8/16/2006	<48	<76	<96	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-10	11/20/2006	<48	<77	<96	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-10	2/19/2007	<48	<75	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-10	5/14/2007	<50	<78	<97	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-10	9/11/2007	<50	98	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-10	11/26/2007	<250	<76	<95	<5	<7	<8	<8	<5	--
LAI-10	2/26/2008	140	<75	<94	12	1	4	12	<0.5	--
LAI-10	8/26/2008	<50	<76	<96	<0.5	<0.7	<0.8	<0.8	<0.5	<50
LAI-10	2/18/2009	<50	<82	<410	<1	<1	<1	<1	<1	<400
LAI-10	8/25/2009	<50	<77	<380	<1	<1	<1	<3	<1	<250
LAI-10	3/23/2010	<50	<76.2	<381	<1	<1	<1	<3	<1	<250
LAI-10	8/24/2010	<50.0	<76.9	<385	<1.0	<1.0	<1.0	<3.0	<1.0	<250
LAI-10	2/9/2011	<50.0	<76.2	<381	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	5/17/2011	<50.0 J	<75	<380	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
LAI-10	8/9/2011	<50.0	<80	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	11/15/2011	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	2/27/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	5/8/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	9/4/2012	96.4	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	11/13/2012	<100	<100	<100	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	2/5/2013	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	5/1/2013	<100	<200	<450	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	8/14/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	11/22/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	2/12/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	4/30/2014	<50	<48	<28	<0.15	<0.11	<0.16	<0.40	<0.17	--
LAI-11	2/26/2003	<50	0.40	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-11	3/24/2003	<50	0.43	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-11	4/17/2003	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-11	5/28/2003	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-11	11/20/2003	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-11	3/16/2004	<50	<0.25	<0.5	<0.5	0.634	<0.5	<1	--	--
LAI-11	6/22/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-11	9/22/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-11	12/21/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-11	3/21/2005	<100	<0.236	<0.473	<1	1	<1	<3	--	--
LAI-11	6/23/2005	<100	<0.237	<0.474	222	1.11	2.82	19.2	<1	--
LAI-11	7/29/2005	<48	<76	<95	55	0.5	4.2	3.2	<0.3	--
LAI-11	9/20/2005	<48	95	<94	32	2	0.5	2.8	--	--
LAI-11	12/1/2005	<48	110	<94	15	<0.7	0.9	3	--	--
LAI-11	2/27/2006	<48	81	<96	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-11	5/17/2006	<48	<75	<94	<0.2	<0.2	<0.2	<0.6	<0.3	--
LAI-11	8/16/2006	<48	<77	<96	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-11	11/20/2006	<48	760	190	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-11	2/19/2007	<48	110	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-11	5/14/2007	<50	160	<96	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-11	9/11/2007	<50	190	<95	55	<0.7	<0.8	<0.5	<0.5	--
LAI-11	11/26/2007	<50	170	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-11	2/26/2008	<50	<75	<94	14	<0.7	<0.8	<0.8	<0.5	--
LAI-11	8/26/2008	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	<50
LAI-11	2/18/2009	<50	<82	<410	<1	<1	<1	<1	<1	<400

Table 6

**Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
LAI-11	8/25/2009	<50	38J	<380	<1	<1	<1	<3	<1	<250
LAI-11	3/23/2010	<50	<76.2	<381	<1	<1	<1	<3	<1	<250
LAI-11	8/24/2010	<50.0	<76.9	<385	<1.0	<1.0	<1.0	<3.0	<1.0	<250
LAI-11	2/9/2011	117	<76.2	<381	<1.0	13.1	<1.0	<3.0	<1.0	--
LAI-11	8/9/2011	<50.0	<90	<450	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-11	2/27/2012	<50.0	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-11	9/4/2012	90.3	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-11	2/5/2013	<100	<440	<440	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-11	8/14/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-11	2/12/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	5/28/2003	<50	<0.25	<0.5	<0.5	<0.5	<0.5	1.81	--	--
LAI-12	8/11/2003	<50	0	<0.5	<0.5	<0.5	<0.5	2.21	--	--
LAI-12	11/20/2003	61	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-12	3/16/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-12	6/22/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-12	9/22/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-12	12/21/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-12	3/21/2005	<100	<0.242	<0.485	<1	<1	<1	<3	--	--
LAI-12	6/23/2005	<100	0.606 (b)	<0.476	<1	<1	<1	<3	<1	--
LAI-12	7/29/2005	<48	430	<95	<0.2	<0.2	<0.2	<0.6	<0.3	--
LAI-12	9/20/2005	<48	1,300	<320	1.6	3.9	<0.5	2.7	--	--
LAI-12	12/1/2005	<48	300	100	<0.5	<0.7	<0.8	<0.8	--	--
LAI-12	2/27/2006	<48	78	<97	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-12	5/17/2006	<48	410	<94	<0.2	<0.2	<0.2	<0.6	<0.3	--
LAI-12	8/17/2006	<48	1,200	130	<0.5	1	<0.8	<0.8	<0.5	--
LAI-12	11/20/2006	<48	600	120	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-12	2/19/2007	<48	530	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-12	5/14/2007	<50	810	<96	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-12	9/11/2007	99	1,100	140	16	9	<2	9	<0.5	--
LAI-12	11/26/2007	<50	620	<95	0.7	<0.7	<0.8	3	<0.5	--
LAI-12	2/26/2008	<50	84	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-12	8/26/2008	<50	260	<95	<0.5	<0.7	<0.8	<0.8	<0.5	<50
LAI-12	2/18/2009	<50	<82	<410	<1	<1	<1	<1	<1	<400
LAI-12	8/25/2009	<50	53J	<380	<1	<1	<1	<3	<1	<250
LAI-12	3/23/2010	<50	<76.2	<381	<1	<1	<1	<3	<1	<250
LAI-12	8/24/2010	<50.0	<77.7	<388	<1.0	<1.0	<1.0	<3.0	<1.0	<250
LAI-12	2/9/2011	<50.0	<76.9	<385	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	5/17/2011	<50.0 J	<75	<380	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
LAI-12	8/9/2011	<50.0	<78	<390	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	11/16/2011	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	2/27/2012	<50.0	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	5/8/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	9/4/2012	<50.0	<81	<400	<1.0	1.7	1.4	8.9	<1.0	--
LAI-12	11/13/2012	<100	<110	<110	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	2/5/2013	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	5/1/2013	<100	<200	<390	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	8/14/2013	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	11/22/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	2/12/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	4/30/2014	<50	<50	<29	<0.15	<0.11	<0.16	<0.40	<0.17	--
LAI-13	5/28/2003	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-13	8/11/2003	<50	<0.25	<0.5	<0.5	0.647	<0.5	<1	--	--
LAI-13	11/20/2003	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-13	3/15/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-13	6/22/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-13	9/21/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-13	12/21/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-13	3/21/2005	<100	<0.237	<0.473	<1	<1	<1	<3	--	--
LAI-13	6/23/2005	<100	<0.236	<0.472	<1	<1	<1	<3	<1	--
LAI-13	7/29/2005	<48	<77	<120	<0.2	<0.2	<0.2	<0.6	<0.3	--

Table 6

**Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
LAI-13	9/20/2005	<48	<75	<93	<0.5	<0.5	<0.5	<1.5	--	--
LAI-13	12/1/2005	<48	<75	<94	<0.5	<0.7	<0.8	<0.8	--	--
LAI-13	2/27/2006	<48	<78	<97	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-13	5/16/2006	<48	<76	<95	<0.2	<0.2	<0.2	<0.6	<0.3	--
LAI-13	8/16/2006	<84	<75	<94	<0.5	3	<0.8	<6	<0.5	--
LAI-13	11/21/2006	<48	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-13	2/20/2007	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-13	5/15/2007	<50	<78	<97	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-13	9/11/2007	<50	240	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-13	11/26/2007	<50	180	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-13	2/26/2008	<50	<75	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-13	8/25/2008	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	<50
LAI-13	2/18/2009	<50	<82	<410	<1	<1	<1	<1	<1	<400
LAI-13	8/25/2009	<50	59J	<510	<1	<1	<1	<3	<1	<250
LAI-13	3/22/2010	<50	<76.2	<381	<1	<1	<1	<3	<1	<250
LAI-13	8/24/2010	<50.0	<78.4	<392	<1.0	<1.0	<1.0	<3.0	<1.0	<250
LAI-13	2/10/2011	<50.0	<75.8	<379	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-13	8/11/2011	<50.0	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-13	2/21/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-13	8/28/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-13	1/30/2013	<100	<470	<470	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-13	8/15/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-13	2/5/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-14	2/25/2003	50	0.27	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-14	3/25/2003	66	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-14	4/18/2003	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-14	5/28/2003	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-14	8/11/2003	<50	0.28	<0.5	<0.5	0.631	<0.5	<1	--	--
LAI-14	11/20/2003	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-14	3/15/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-14	6/22/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-14	9/21/2004	<50	0	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-14	12/21/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-14	3/21/2005	<100	<0.237	<0.473	<1	1.45	<1	<3	--	--
LAI-14	6/23/2005	<100	0.26	<0.475	<1	<1	<1	<3	<1	--
LAI-14	7/29/2005	57	140	190	0.2	<0.2	<0.2	<0.6	<0.3	--
LAI-14	9/21/2005	<48	--	--	<0.5	<0.5	<0.5	<1.5	--	--
LAI-14	12/1/2005	<48	<75	<94	<0.5	<0.7	<0.8	<0.8	--	--
LAI-14	2/27/2006	55	<77	<96	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-14	5/16/2006	<48	<77	<97	<0.2	<0.2	<0.2	<0.6	<0.3	--
LAI-14	8/16/2006	72	<77	<97	<0.5	1	<0.8	2	<0.5	--
LAI-14	11/21/2006	<48	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-14	2/20/2007	<48	<75	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-14	5/15/2007	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-14	9/11/2007	<50	<76	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-14	11/26/2007	<50	<77	<96	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-14	2/26/2008	<50	<75	<93	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-14	8/25/2008	<50	<75	<94	<0.5	<0.7	<0.8	<0.8	<0.5	<50
LAI-14	2/18/2009	<50	<83	<410	<1	<1	<1	<1	<1	<400
LAI-14	8/25/2009	<50	<150	<750	<1	<1	<1	<3	<1	<250
LAI-14	3/22/2010	<50	<75.5	<377	<1	<1	<1	<3	<1	<250
LAI-14	8/24/2010	<50.0	<76.9	<385	<1.0	<1.0	<1.0	<3.0	<1.0	<250
LAI-14	2/10/2011	<50.0	<76.9	<385	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-14	8/11/2011	<50.0	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-14	2/21/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-14	8/28/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-14	1/30/2013	<100	<450	<450	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-14	8/15/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-14	2/5/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-14	8/12/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-14	11/25/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--

Table 6

**Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Sample Location CA Method A Screening Levels:	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
LAI-14	2/13/2015	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	---
LAI-15	5/28/2003	104	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-15	8/11/2003	158	0.33	<0.5	<0.5	0.641	<0.5	1.95	--	--
LAI-15	11/20/2003	54	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-15	3/15/2004	154	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-15	6/22/2004	135	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-15	9/21/2004	92	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-15	12/21/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-15	3/21/2005	<100	<0.237	<0.473	<1	<1	<1	<3	--	--
LAI-15	6/23/2005	<100	<0.237	<0.473	<1	<1	<1	<3	<1	--
LAI-15	7/29/2005	76	<800	<1000	<0.2	0.3	<0.2	<0.6	--	--
LAI-15	9/21/2005	100	<75	<94	<0.5	<0.5	<0.5	<1.5	--	--
LAI-15	12/1/2005	67	<75	<94	<0.5	<0.7	<0.8	<0.8	--	--
LAI-15 (DUP)	11/28/2005	92	110	<94	<0.5	<0.7	<0.8	<0.8	--	--
LAI-15	2/27/2006	77	<77	<97	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-15 (DUP)	3/1/2006	90	<76	<95	<0.5	0.8	0.8	<0.8	<0.5	--
LAI-15	5/16/2006	98	<76	<95	<0.2	<0.2	<0.2	<0.6	<0.3	--
LAI-15 (DUP)	5/17/2006	97	<76	<95	0.4	1	<0.2	<0.6	<0.3	--
LAI-15	8/16/2006	85	<75	<93	<0.5	1	<0.8	1	<0.5	--
LAI-15	11/21/2006	50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-15	2/20/2007	75	<75	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-15	5/15/2007	83	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-15	9/11/2007	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-15	11/26/2007	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-15	2/26/2008	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-15	8/25/2008	56	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	<50
LAI-15	2/18/2009	<50	<83	<410	<1	<1	<1	<1	<1	<400
LAI-15	8/25/2009	32.2J	<76	<380	<1	<1	<1	<3	<1	<250
LAI-15	3/22/2010	<50	<75.5	<377	<1	<1	<1	<3	<1	<250
LAI-15	8/24/2010	61	<77.3	<386	<1.0	<1.0	<1.0	<3.0	<1.0	<250
LAI-15	2/9/2011	57.3	<76.9	<385	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-15	5/24/2011	248	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-15	8/11/2011	90.4	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-15 (DUP)	8/11/2011	73.9	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-15	2/21/2012	<50.0	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-15	8/28/2012	56.4	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-15	1/30/2013	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-15	8/15/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-15	2/5/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-16	2/25/2003	<50	<0.25	<0.5	<0.5	0.679	<0.5	1.09	--	--
LAI-16	3/25/2003	<50	0.29	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-16 (DUP)	3/25/2003	<50	0.33	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-16	4/17/2003	<50	<0.25	<0.5	3.51	<0.5	<0.5	<1	--	--
LAI-16	5/28/2003	705	<0.25	<0.5	523	14.9	<1	2.25	--	--
LAI-16	11/21/2003	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-16 (DUP)	11/21/2003	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-16	3/16/2004	<50	<0.25	<0.5	2.7	0.796	<0.5	<1	--	--
LAI-16 (DUP)	3/16/2004	<50	<0.25	<0.5	4.76	0.63	<0.5	<1	--	--
LAI-16	6/22/2004	<50	<0.25	<0.5	8.52	<0.5	<0.5	<1	--	--
LAI-16	12/21/2004	<50	<0.25	<0.5	<0.5	0.667	<0.5	<1	--	--
LAI-16	3/21/2005	<100	<0.236	<0.471	<1	6.08	<1	<3	--	--
LAI-16	6/23/2005	<100	<0.384 (d)	<0.473	<1	<1	<1	<3	<1	--
LAI-16	9/21/2005				Insufficient Groundwater to Sample					
LAI-16	12/1/2005	<48	140	98	<0.5	<0.7	<0.8	<0.8	--	--
LAI-16	3/1/2006	<48	160	<95	21	<0.7	<0.8	<0.8	<0.5	--
LAI-16	5/17/2006	<48	78	<94	1.8	0.3	<0.2	<0.6	<0.3	--
LAI-16	8/16/2006				Insufficient Groundwater to Sample					
LAI-16	11/20/2006	<48	91	<95	<0.5	0.8	<0.8	1	<0.5	--
LAI-16	2/19/2007	<48	120	<94	17	<0.7	<0.8	<0.8	<0.5	--
LAI-16	5/14/2007	<50	--	--	0.7	<0.7	<0.8	<0.8	<0.5	--

Table 6

**Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
LAI-16	9/11/2007				Insufficient Groundwater to Sample					
LAI-16	11/26/2007				Insufficient Groundwater to Sample					
LAI-16	2/26/2008	310	300	<94	64	6	11	20	<0.5	--
LAI-16	2/19/2009	<50	<82	<410	<1	<1	1	1	<1	<400
LAI-16	8/25/2009				Insufficient Groundwater to Sample					
LAI-16	3/23/2010	<50	<75.5	<377	<1	<1	<1	<3	<1	<250
LAI-16	8/26/2010				Insufficient Groundwater to Sample					
LAI-16	5/16/2011	<50 J	<75	<380	<1 J	<1 J	<1 J	<3 J	<1 J	--
LAI-16	3/1/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-16	2/8/2013	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	<1.0	--
RW-1	11/30/2005	55	<75	<94	1	6	<0.8	4	--	--
RW-1	8/25/2008	<50	<78	<97	<0.5	<0.7	<0.8	<0.8	<0.5	<50
RW-1	2/18/2009	<50	<80	<400	<1	<1	<1	<1	<1	<400
RW-1	8/25/2009				Insufficient Groundwater to Sample					
RW-1	3/23/2010	<50	<78.4	<392	<1	<1	<1	<3	<1	<250
RW-1	8/23/2010				Insufficient Groundwater to Sample					
RWx-2	9/20/2005	130,000	3,000	<470	16,000	30,000	2,200	12,000	--	--
RWx-2	8/26/2008	100,000	610	<96	1,600	16,000	1,600	9,700	<1	<100
RWx-2 (DUP)	8/27/2008	62,000	5,600	<970	180	5,500	1,100	9,800	<3	<250
RWX-2	11/18/2016	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---
RWX-2	2/17/2017	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
RWX-2	5/26/2017	<100	<410	<410	<1.0	2.2	1.4	3.2	---	---
RWX-2	9/28/2017	28,000	1,100	<380	2,210	7,340 J	416	2,180	---	---
RWX-2	12/14/2017	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
RWX-2	3/2/2018	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---
RWX-2	6/27/2018	139	530	<420	1.1	<1.0	4.8	<3.0	---	---
RWX-2	8/29/2018	12,900	1,700	<430	1,190	2,700	222	1,060	---	---
RW-3	7/28/2005	79,000	57,000	4,700	1,400	8,700	1,300	8,800	15	--
RW-3	11/30/2005	4,100	2,700	130	20	200	30	220	--	--
RW-3	2/28/2006	270	<78	<97	6	46	4	23	<0.5	--
RW-3	5/16/2006	2,600	1,700	<94	34	190	26	200	<5	--
RW-3	8/17/2006	12,000	2,400	150	480	1,700	130	930	<0.5	--
RW-3	11/21/2006	3,200	1,700	<95	26	220	50	310	<0.5	--
RW-3	2/20/2007	1,100	300	<94	12	96	12	77	<0.5	--
RW-3	5/15/2007	4,000	3,000	<480	240	1,200	140	900	<1	--
RW-3	9/12/2007	88,000	--	--	940	9,900E	1,500	8,700	<0.5	--
RW-3	11/27/2007	1,100	310	<94	12	100	14	97	<0.5	--
RW-3	2/26/2008	6,500	47,000	<1900	25	370	140	760	<0.5	--
RW-3	8/25/2008	830	440	<97	12	45	15	95	<0.5	<50
RW-3	2/19/2009	266	110	<410	<1	9.9	3.2	20	<1	<400
RW-3	8/25/2009				Insufficient Groundwater to Sample					
RW-3	3/23/2010	1,200	1,150	<385	1.8	69.5	23.2	138	<1	<250
RW-3	8/23/2010				Insufficient Groundwater to Sample					
RW-3	2/27/2012	3,700	2,400	<380	5.4	111	62.5	351	<1.0	--
RW-3	8/24/2012	2,710	2,100	<420	34.0	17.7	92.3	456	<1.0	--
RW-3	2/1/2013	366	15,400	700	<1.0	2.3	6.6	40.2	<1.0	--
RW-4	8/26/2008	4,100	2,200	<98	7	88	77	590	<0.5	<50
RW-4	2/19/2009	<50	<80	<400	<1	2.4	<1	3.5	<1	<400
RW-4	8/25/2009				Insufficient Groundwater to Sample					
RW-4	3/24/2010	84	<77.7	<388	<1	5.7	1.4	11.2	<1	<250
RW-4	8/26/2010	5,340	172	<400	123	1,250	230	1,430	<1.0	<250
RW-4	2/10/2011	<50.0	<76.9	<385	<1.0	<1.0	<1.0	<3.0	<1.0	--
RW-4	8/12/2011	5,820	<76	<380	151	551	176	770	<1.0	--
RW-4	11/18/2011	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
RW-4	2/23/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	3	<1.0	--
RW-4	5/11/2012	241	<80	<400	10.4	88.4	17.0	95.4	<1.0	--
RW-4	8/24/2012	1,350	<82	<410	26.9	77.7	42.3	183	<1.0	--
RW-4	11/9/2012	101	<100	<100	<1.0	3.1	3.1	17.5	<1.0	--

Table 6

**Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
CA Method A Screening Levels:										
RW-4	1/31/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
RW-4 (DUP)	1/31/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
RW-4	5/3/2013	138	<200	290	<1.0	2.4	1.6	10	<1.0	--
RW-4	8/22/2013	4,080	1,600	<430	21.5	47.2	33.3	174	<1.0	--
RW-4	11/20/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
RW-4 (DUP)	11/20/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
RW-4	2/11/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
RW-4	5/7/2014	<50	<48	<28	<0.15	<0.11	<0.16	<0.40	<0.17	--
RWx-5	8/26/2008	43,000	1,700	<99	3,800	9,500	810	4,300	<5	<500
RWx-5	2/19/2009	2,690	350	<400	37	120	10	530	<1	<400
RWx-5	8/25/2009	190,000	1,600	84J	30,200	43,500	3,260	17,200	<1	<250
RWx-5 (DUP)	8/25/2009	191,000	1,300	120J	28,300	40,700	22,820	14,600	<1	<250
RWx-5	3/24/2010	827	<76.2	<381	26.3	44.9	3.8	192	<1	<250
RWx-5	8/26/2010	16,200	193	<396	2,700	3,140	375	1,660	<1.0	<250
RWx-5 (DUP)	8/26/2010	29,800	582	<412	4,190	7,990	1,130	4,140	<1.0	<250
RWx-5	2/11/2011	1,730	<78.4	<392	18.8	38.2	5.9	325	<1.0	--
RWx-5	5/25/2011	689	<75	<380	4.5	9.5	2.4	96.1	<1.0	--
RWx-5	8/15/2011	72,400	550	<380	4,480	26,100	1,640	7,290	<1.0	--
RWx-5	11/18/2011	309	<76	<380	21.6	48.5	<1.0	25.7	<1.0	--
RWx-5	2/23/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
RWx-5	5/11/2012	1,970	<79	<400	6.7	113	19.6	862	<1.0	--
RWx-5	8/27/2012	67,300	420	<380	2,620	18,100	1,260	6,010	<50.0	--
RWx-5	11/9/2012	1,460	380	<110	5.2	183	48.7	431	<1.0	--
RWx-5 (DUP)	11/9/2012	1,430	230J	<110	4.0	148	42.3	398	<1.0	--
RWx-5	1/31/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
RWx-5	5/3/2013	67,800	360	320	8,540	18,300	1,300	6,740	<100	--
RWx-5	8/22/2013	52,300	<420	<420	977	2,130	107	658	<100	--
RWx-5	11/20/2013	<100	<400	<400	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
RWx-5	2/7/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
RWx-5	5/7/2014	<50	<48	<28	<0.15	<0.11	<0.16	<0.40	<0.17	--
RW-6	8/27/2008	84	<79	<99	<0.5	<0.7	<0.8	2	<0.5	<50
RW-6	2/18/2009	50	<80	<400	<1	<1	<1	<1	<1	<400
RW-6	8/25/2009				Insufficient Groundwater to Sample					
RW-6	3/24/2010	<50	<75.8	<379	<1	<1	<1	<3	<1	<250
RW-6	8/23/2010				Insufficient Groundwater to Sample					
RWx-7	8/27/2008	65,000	5,400	<980	180	4,800	1,200	8,900	<3	<250
RWx-7	2/19/2009	13,700	1,900	<410	1	22	35	1,100	<1	<400
RWx-7	8/25/2009	39,100	1,600	110J	2,990	2,670	279	3,210	<1	<250
RWx-7	3/24/2010	939	124	<381	<1	<1	<1	12	<1	<250
RWx-7	8/26/2010	19,600	742	<421	352	1,270	462	3,280	<1.0	<250
RWx-7	2/11/2011	<50.0	<76.9	<385	<1.0	<1.0	<1.0	<3.0	<1.0	--
RWx-7	8/12/2011	25,600	580	<380	1,590	3,870	552	2,650	<1.0	--
RWx-7	2/23/2012	88.0	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
RWx-7	8/27/2012	23,600	630	<390	1,100	3,900	361	2,550	<5.0	--
RWx-7	1/30/2013	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	<1.0	--
RWx-7	8/22/2013	30,300	530	<420	1,830	4,460	370	2,100	<25.0	--
RWx-7	2/11/2014	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
RWX-7	11/18/2016	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
RWX-7	2/17/2017	1,360	<400	<400	<1.0	<1.0	<1.0	24.2	---	---
RWX-7	5/26/2017	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---
RWX-7	9/28/2017	932	<420	<420	272	10.6	1.5	40.6	---	---
RWX-7	12/14/2017	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	---	---
RWX-7	3/2/2018	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---
RWX-7	6/27/2018	<100	<430	<430	9.9	<1.0	<1.0	<3.0	---	---
RWX-7	8/29/2018	2,540	960	<400	290	263	31.1	87.3	---	---
HWx-1E	9/21/2005	3,800	610	<94	460	21	220	90	--	--
HWx-1E	11/30/2005	4,900	720	<95	2,300	250	220	590	--	--
HWx-1E	3/1/2006	80,000	2,200	<480	9,000	12,000	1,400	7,600	<5	--

Table 6

**Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
CA Method A Screening Levels:										
HWx-1E	5/17/2006	69,000	1,100	860	10,000	9,800	1,700	7,600	<200	--
HWx-1E	8/16/2006	23,000	2,800	<940	5,300	1,300	840	3,700	<1	--
HWx-1E	11/20/2006	750	91	<94	70	14	29	75	<0.5	--
HWx-1E	2/19/2007	42,000	1,400	<94	6,300	5,100	1,200	3,700	<5	--
HWx-1E	5/14/2007	80,000	1,300	<96	8,800	12,000	1,600	7,400	<10	--
HWx-1E	9/11/2007	4,800	1,100	<94	750	34	200	620	<0.5	--
HWx-1E	11/26/2007	310	170	<97	240	7	3	29	<0.5	--
HWx-1E	2/26/2008	300	320	<95	65	7	13	23	<0.5	--
HWx-1E	8/26/2008	1,200	390	<96	250	220	13	69	<0.5	<50
HWx-1W	11/29/2005	1,200	590	<95	420	<1	62	120	--	--
HWx-1W	2/28/2006	54,000	1,500	<190	2,700	6,400	780	3,200	<3	--
HWx-1W	5/17/2006	73,000	1,100	<190	6,800	12,000	1,500	7,400	<100	--
HWx-1W	8/16/2006	8,500	970	120	2,000	280	440	1,300	<0.5	--
HWx-1W	11/20/2006	220	89	<96	12	1	8	30	<0.5	--
HWx-1W	2/19/2007	11,000	1,100	140	1,500	1,300	470	1,500	<1	--
HWx-1W	5/14/2007	38,000	980	<95	6,200	4,900	1,000	4,100	<5	--
HWx-1W	9/11/2007	1,800	1,700	<950	2,000	4	210	180	<0.5	--
HWx-1W	11/26/2007	680	440	<96	1,700	16	20	76	<1	--
HWx-1W	2/26/2008	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--
HWx-1W	8/26/2008	84	120	<95	1	<0.7	1	2	<0.5	<50
MW-1	11/15/2011	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	2/28/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	5/8/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	9/4/2012	<50	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	11/7/2012	<100	<110	<110	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	2/5/2013	<100	<460	<460	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	5/1/2013	<100	<200	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	8/14/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	11/22/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	2/13/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	4/30/2014	<50	<48	<28	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-1	8/13/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	11/23/2014	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	2/13/2015	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	11/16/2016	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	---	---
MW-1	2/16/2017	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-1	5/24/2017	<100	<440	<440	<1.0	<1.0	<1.0	<3.0	---	---
MW-1	9/27/2017	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-1	12/13/2017	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-1	2/28/2018	<100	<380	<380	<1.0 J	<1.0 J	<1.0 J	<3.0 J	---	---
MW-1	6/26/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-1	8/28/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-2	11/16/2011	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	2/28/2012	86.4	<150	<730	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	5/14/2012	<100	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	9/4/2012	<50.0	<78	<390	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	11/7/2012	<100	<110	<110	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	2/8/2013	103	<450	<450	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	5/1/2013	113	210	<390	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	8/23/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	11/22/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	2/13/2014	189	<400	<400	<1.0	<1.0	<1.0	<2.0	<4.0	--
MW-2	4/30/2014	134	<50	<29	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-2	8/13/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	11/23/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	2/13/2015	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	---
MW-2	11/16/2016	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-2	2/16/2017	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-2	5/24/2017	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	---	---

Table 6

**Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
MW-2	9/27/2017	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---
MW-2	12/13/2017	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-2	2/28/2018	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---
MW-2	6/26/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-2	8/28/2018	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-3	11/17/2011	<50.0	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-3	3/1/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-3	5/14/2012	<50.0	350	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-3	8/28/2012	463	<76	<380	<1.0	181	<1.0	<3.0	<1.0	--
MW-3	11/7/2012	206	<120	<120	<1.0	143J	<1.0	<3.0	<1.0	--
MW-3	2/8/2013	133	<450	<450	1.7	36.6	<1.0	<3.0	<1.0	--
MW-3	5/6/2013	<100	<200	<200	<1.0	17.1	<1.0	<3.0	<1.0	--
MW-3	8/16/2013	187	<420	<420	<1.0	84.1	<1.0	<3.0	<1.0	--
MW-3	11/26/2013	<100	<400	<400	<1.0	6.9	<1.0	<3.0	<1.0	--
MW-3	2/10/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-3	5/1/2014	<50	<50	<29	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-3	8/14/2014	<100	<400	<400	<1.0	1.5	<1.0	<3.0	<1.0	--
MW-3	11/23/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-3	2/17/2015	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	<1.0	---
MW-3	11/16/2016	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-3	2/16/2017	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---
MW-3	5/24/2017	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	---	---
MW-3	9/27/2017	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-3	9/27/2017	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-3	12/13/2017	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---
MW-3	2/27/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-3	6/26/2018	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-3	8/28/2018	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---
MW-4	11/17/2011	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	3/1/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	5/14/2012	<50.0	<82	<410	<1.0 ^(SS)	<1.0 ^(SS)	<1.0	<3.0	<1.0	--
MW-4	8/28/2012	<50.0	<80	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	11/7/2012	<100	<110UJ	<110UJ	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	2/8/2013	<100	<440	<440	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	5/6/2013	<100	<200	<200	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	8/16/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	11/26/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	2/10/2014	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	5/1/2014	<50	<48	600	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-4	8/14/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	11/23/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	2/17/2015	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	---
MW-4	11/16/2016	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---
MW-4	2/16/2017	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-4	5/24/2017	<100	<510	<510	<1.0	2.4	<1.0	<3.0	---	---
MW-4	9/27/2017	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---
MW-4	12/13/2017	<100	<380	<380	<1.0	1.0	<1.0	<3.0	---	---
MW-4	2/27/2018	<100	<380	<380	<1.0	2.1	1.4	<3.0	---	---
MW-4	6/26/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-4	8/28/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-5	11/17/2011	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	3/1/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	5/14/2012	<50.0	<83	<420	<1.0 ^(SS)	<1.0 ^(SS)	<1.0	<3.0	<1.0	--
MW-5	8/28/2012	<50.0	<83	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	11/7/2012	<100	<100UJ	<100UJ	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	2/7/2013	<100	<470	<470	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	5/6/2013	<100	<200	<200	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	8/16/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	11/26/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--

Table 6

**Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
CA Method A Screening Levels:										
MW-5	2/10/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	5/1/2014	<50	<48	<28	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-5	8/14/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	11/23/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	2/17/2015	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	---
MW-5	11/17/2016	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	---	---
MW-5	2/16/2017	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---
MW-5	5/24/2017	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	---	---
MW-5	9/28/2017	<100	<380	720	<1.0	<1.0	<1.0	<3.0	---	---
MW-5	12/13/2017	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-5	2/27/2018	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---
MW-5	6/26/2018	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-5	8/28/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-6	11/16/2011	<50.0	<77	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	3/1/2012	64.5	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	5/14/2012	62.6	<84	<420	<1.0 ^(SS)	<1.0 ^(SS)	<1.0	<3.0	<1.0	--
MW-6	8/28/2012	<50.0	<82	<410	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	11/7/2012	<100	<110UJ	<110UJ	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	2/7/2013	<100	<440	<440	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	5/6/2013	<100	<200	<200	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	8/16/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	11/26/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	2/10/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	5/1/2014	<50	<48	<28	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-6	8/14/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	11/23/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	2/23/2015	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	---
MW-6	2/23/2015	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	---
MW-6	11/17/2016	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---
MW-6	11/17/2016	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---
MW-6	2/16/2017	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-6	5/24/2017	112	<440	<440	<1.0	<1.0	<1.0	<3.0	---	---
MW-6	9/28/2017	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---
MW-6	12/13/2017	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---
MW-6	2/28/2018	<100	<400	<400	<1.0 J	<1.0 J	<1.0 J	<3.0 J	---	---
MW-6	6/26/2018	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---
MW-6	8/28/2018	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	---	---
MW-7	11/15/2011	7,530	380	<380	3,560	1,610	898	3,250	<1.0	--
MW-7	3/1/2012	58,000	1,300	<380	15,000	1,600	1,150	2,770	<1.0	--
MW-7	5/9/2012	32,900	1,500	<380	7,470	1,620	1,290	2,930	<50.0	--
MW-7	8/23/2012	24,700¹⁰	850	<390	8,930	1,220	1,880	3,310	1.1	--
MW-7	11/6/2012	28,000	3,100	<110	6,620	337	1,120	2,230	<20.0	--
MW-7	2/7/2013	17,500	3,800	<450	6,840	314	1,940	1,410	<50.0	--
MW-7	4/29/2013	19,600	<200	<200	6,400	310	2,410	1,360	<50.0	--
MW-7	8/13/2013	19,700	2,600	1,000	8,710	843	1,080	2,810	<50.0	--
MW-7	11/18/2013	12,100	1,000	<430	6,730	420	1,310	1,270	<50.0	--
MW-7 (DUP)	2/5/2014	18,400	930	<400	4,760	148	1,560	1,170	<20.0	--
MW-7	2/5/2014	18,900	1,200	<400	6,150 J	170 J	1,750 J	1,310 J	<20.0 J	--
MW-7	4/29/2014	17,200	1,200	<28	6,870	129	2,330	1,080	<8.4	--
MW-7	11/17/2016	11,300	2,200	<390	3,250	27.3	1,500	318	---	---
MW-7	5/24/2017	11,100	1,100	<430	2,790	32.7	924	263	---	---
MW-7	12/13/2017	4,630	27,400 J	<410	1,660	78.5	238	257	---	---
MW-7	3/1/2018	4,340 J	16,900	<370	2,470	68.4	382	208	---	---
MW-7	8/29/2018	19,400	1,800	<390	4,640	1,440	1,070	2,400	---	---
MW-8	11/15/2011	11,900	130	<380	3,670	365	431	1,510	2.6	--
MW-8	2/22/2012	9,370	220	<380	4,430	382	957	2,660	6.9	--
MW-8	5/10/2012	23,500	670	<410	9,090	542	841	2,280	<25.0	--
MW-8 (DUP)	5/10/2012	24,700	940	<380	8,940	571	855	2,320	8.0	--
MW-8	8/23/2012	17,500¹⁰	680	<380	9,570	670	1,090	2,780	5.1	--

Table 6

**Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
	CA Method A Screening Levels:									
MW-8	11/6/2012	10,300	1,400	<110	3,420	140	422	1,037	1.8	--
MW-8	1/29/2013	8,130	2,800	820	6,280	186	465	1,250	6.2	--
MW-8	4/29/2013	5,430	<200	<200	4,720	100	533	1,380	<50.0	--
MW-8	8/13/2013	12,700	1,800	820	7,460	58.8 J	708	1,670	<50.0	--
MW-8	11/19/2013	7,500	550	<420	4,550	<50.0	477	1,100	<50.0	--
MW-8	2/4/2014	7,650	520 J	<420	4,040	<50.0	447	931	<50.0	--
MW-8 (DUP)	2/4/2014	7,960	430 J	<400	3,940	<25.0	436	918	<25.0	--
MW-8	4/29/2014	7,780	480	<29	7,070	<5.5	552	1,120	<8.4	--
MW-8	11/17/2016	540	<400	<400	123	<1.0	2.6	24.7	---	---
MW-8	5/24/2017	1,460	<420	<420	1,330	25.8	13.0	73.1	---	---
MW-8	12/13/2017	692 J	650 J	<400	695	<5.0	10.3	<15.0	---	---
MW-8	3/1/2018	692	<380	<380	832 J	<5.0 J	39.7 J	<15.0 J	---	---
MW-8	3/1/2018	688	<380	<380	784 J	<5.0 J	37.4 J	<15.0 J	---	---
MW-8	8/29/2018	1,250	840	<390	194	4.1	8.5	10.6	---	---
MW-9	11/16/2011	1,950	<76	<380	1,430	2	5	7.7	1.2	--
MW-9	2/22/2012	566	120 J	<380	899	1.9 J	1.8 J	3.4 J	<1.0 J	--
MW-9 (DUP)	2/22/2012	535	260 J	<380	889	1.8 J	1.7 J	3.2 J	1.0J	--
MW-9	5/9/2012	1,830	290	<430	625	1.4	1.7	<3.0	<1.0	--
MW-9	8/24/2012	1,070	270	<380	977	2.8	5.1	8.0	<1.0	--
MW-9	11/15/2012	1,330	220	<100	439	<2.0	2.3	<6.0	<2.0	--
MW-9	1/31/2013	224	<450	<450	180	<1.0	<1.0	<3.0	<1.0	--
MW-9	4/30/2013	1,210	<200	<200	1,150	<10.0	<10.0	<30.0	<10.0	--
MW-9	8/13/2013	1,790	1,500	<400	817	4.1 J	7.3	6.8	<1.0	--
MW-9	11/18/2013	869	430	<400	266	<2.0	2.2	<6.0	<2.0	--
MW-9	2/4/2014	1,520	650 J	<430	1,040	<5.0	6.4	<15.0	<5.0	--
MW-9	4/30/2014	2,050	550	<29	762	<0.55	<0.82	<2.0	<0.84	--
MW-9	11/16/2016	1,330	540	1,100	120	1.4	2.2	3.9	---	---
MW-9	2/16/2017	1,240	740	580	159	1.5	3.2	6.8	---	---
MW-9	5/25/2017	1,120	<500	<500	179	1.4	6.7	<3.0	---	---
MW-9	9/27/2017	849	580	<410	80.7	1.1	1.6	<3.0	---	---
MW-9	12/13/2017	950 J	600 J	<410	29.0	<1.0	<1.0	<3.0	---	---
MW-9	2/28/2018	1,320	410	<380	52.4 J	<1.0 J	5.8 J	<3.0 J	---	---
MW-9	6/27/2018	2,100	1,300	<410	258	1.2	8.2	4.4	---	---
MW-9	8/29/2018	1,230	960	<420	27.9	<1.0	1.7	<3.0	---	---
MW-10	11/17/2011	174	<75	<380	562	3	1.6	17.9	<1.0	--
MW-10 (DUP)	11/17/2011	113	<75	<380	440	2	<1.0	15.3	<1.0	--
MW-10	2/22/2012	434	160	<380	2.0	<1.0	<1.0	<3.0	<1.0	--
MW-10	5/10/2012	282	140	<390	65.4	3.5	5.7	15.7	<1.0	--
MW-10	11/9/2012	466	<110	<110	200	1.1	<1.0	3.2	<1.0	--
MW-10	2/1/2013	125	<440	<440	1.6	<1.0	<1.0	<3.0	<1.0	--
MW-10	4/30/2013	185	<200	<200	7.1	<1.0	<1.0	<3.0	<1.0	--
MW-10	8/20/2013	139	<400	<400	47.6	<1.0	<1.0	3.5	<1.0	--
MW-10	11/18/2013	116	<400	<400	57.9	2.2	<1.0	10.3	<1.0	--
MW-10	2/4/2014	125	<420	<420	27.4	<1.0	<1.0	<3.0	<1.0	--
MW-10	4/29/2014	415	<50	<29	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-10	8/12/2014	152	<400	<400	26.3	1.1	<1.0	3.7	<1.0	--
MW-10	11/25/2014	122	<400	<400	12.7	<1.0	<1.0	<3.0	<1.0	--
MW-10	2/17/2015	291	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-10	11/16/2016	164	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-10	2/16/2017	189	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-10	5/24/2017	277	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-10	9/28/2017	<100	<410	<410	1.1 J	<1.0 J	<1.0 J	<3.0 J	---	---
MW-10	12/14/2017	<100	430	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-10	12/14/2017	<100	620	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-10	3/1/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-10	6/27/2018	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-10	8/28/2018	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-11	2/29/2012	128	82	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-11	5/16/2012	177	<77	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--

Table 6

**Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
MW-11	8/29/2012	145	<78	<390	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-11	11/16/2012	<100	<110	<110	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-11	2/6/2013	<100	<450	<450	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-11	5/7/2013	<100	<200	<200	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-11	8/21/2013	196	500	<420	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
MW-11	11/26/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-11	2/6/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-11	5/9/2014	<50	<30	<52	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-11	8/15/2014	114	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-11	11/21/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-11	2/18/2015	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	---
MW-11	11/18/2016	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---
MW-11	2/17/2017	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---
MW-11	5/25/2017	<100	<510	<510	<1.0	<1.0	<1.0	<3.0	---	---
MW-11	9/27/2017	168	<400	480	<1.0	<1.0	<1.0	<3.0	---	---
MW-11	12/12/2017	117	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-11	2/28/2018	<100	<400	<400	<1.0 J	<1.0 J	<1.0 J	<3.0 J	---	---
MW-11	6/26/2018	207	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---
MW-11	8/28/2018	182	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-12	2/29/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-12	5/16/2012	<50.0	<400	<2,000	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-12	8/29/2012	<50.0	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-12	11/14/2012	<100	<110	<110	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-12	5/7/2013	<100	<200	<200	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-12	8/21/2013	<100	<390	<390	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
MW-12	11/26/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-12	2/3/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-12	5/8/2014	<50	<32	<55	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-12	8/15/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-12	11/21/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-12	2/18/2015	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-12	11/18/2016	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-12	2/17/2017	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---
MW-12	2/17/2017	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---
MW-12	5/25/2017	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---
MW-12	9/27/2017	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-12	12/12/2017	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-12	2/28/2018	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-12	6/26/2018	<100	<450	<450	<1.0	<1.0	<1.0	<3.0	---	---
MW-12	8/28/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-13	2/29/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-13	5/16/2012	<50.0	<78	<390	<1.0 ^(M1)	<1.0 ^(M1)	<1.0 ^(M1)	<3.0 ^(M1)	<1.0 ^(M1)	--
MW-13	9/5/2012	<50.0	<78	<390	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-13	11/14/2012	<100	<120	<120	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-13	2/6/2013	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-13	5/8/2013	<100	<200	<200	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-13	8/21/2013	<100	<390	<390	1.1 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
MW-13	11/26/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-13	2/6/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-13	5/8/2014	<50	<28	<48	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-13	8/15/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-13	11/21/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-13	2/18/2015	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	---
MW-13	11/17/2016	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-13	2/16/2017	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-13	5/25/2017	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	---	---
MW-13	9/27/2017	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-13	12/13/2017	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-13	2/28/2018	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---
MW-13	6/26/2018	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	---	---

Table 6

**Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
MW-13	8/28/2018	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	---	---
MW-14	11/21/2011	123,000 J	640 J	<380 J	17,500 J	18,200 J	2,550 J	14,100 J	<1.0 J	--
MW-14	2/28/2012	110,000	1,400	<380	16,400 J	16,300 J	2,020 J	10,500 J	<1.0 J	--
MW-14	5/14/2012	133,000	2,000	<380	18,400^(SS)	2,3400^(SS)	2,090	11,900	<10.0	--
MW-14	11/16/2012	90,800	300	<110	17,900	15,600	1,780	10,720	<50.0	--
MW-14	2/6/2013	94,200	4,100	<470	16,300	15,400	1,740	10,400	<100	--
MW-14	5/2/2013	90,300	1,500	450	16,200	16,200	2,050	11,500	<100	--
MW-14	8/23/2013	150,000	1,300	540	23,600	21,300	2,670	15,000	<100	--
MW-14	11/18/2013	91,100	1,600	<420	21,100	15,700	2,470	13,400	<20.0	--
MW-14	2/12/2014	103,000	1,400	<400	14,000	11,800	1,770	10,700	<100	--
MW-14	5/6/2014	19,300	530	430	283	327	96.8	560	<3.4	--
MW-14	11/17/2016	30,300	1,800	1,500	6,910	585	1,040	4,800	---	---
MW-14	5/25/2017	60,800	850	<370	16,000	4,670	1,730	9,040	---	---
MW-14	12/14/2017	57,700	1,600	<390	14,000	3,630	1,690	8,530	---	---
MW-14	3/1/2018	34,900	550	<370	5,140 J	3,540 J	462 J	2,020 J	---	---
MW-14	3/1/2018	50,600	740	<390	8,920 J	6,400 J	966 J	4,370 J	---	---
MW-14	8/28/2018	58,700	2,400	<420	15,500	4,960	1,850	8,860	---	---
MW-15	11/21/2011	265 J	<76 J	<380 J	32.9 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
MW-15 (DUP)	11/21/2011	262 J	<77 J	<380 J	30.9 J	<1.0 J	1.4 J	<3.0 J	<1.0 J	--
MW-15	2/28/2012	195	<76	<380	52.2	<1.0	1.8	<3.0	<1.0	--
MW-15	5/11/2012	266	130	<380	35.0	<1.0	3.2	<3.0	<1.0	--
MW-15	8/27/2012	226	<84	<420	40.3	<1.0	<1.0	<3.0	<1.0	--
MW-15 (DUP)	8/27/2012	203	<83	<420	39.5	<1.0	1.2	<3.0	<1.0	--
MW-15	11/12/2012	445	<110	<110	76.5	<1.0	1.3	<3.0	<1.0	--
MW-15	2/4/2013	294	<430	<430	35.2	<1.0	3.2	<3.0	<1.0	--
MW-15	5/3/2013	309	320	340	42.3	<1.0	3.5	<3.0	<1.0	--
MW-15	8/23/2013	450	1,500	<430	58.5	<1.0	1.1	<3.0	<1.0	--
MW-15	11/20/2013	348	<400	<400	42.9	<1.0	<1.0	<3.0	<1.0	--
MW-15	2/7/2014	520	<400	<400	41.1	<1.0	1.6	<3.0	<1.0	--
MW-15	5/7/2014	278	<48	<28	28.4	1.1	1.6	<0.40	<0.17	--
MW-15	11/18/2016	353	420	<400	18.2	<1.0	<1.0	<3.0	---	---
MW-15	2/17/2017	1,210	<370	<370	<1.0	<1.0	<1.0	24.4	---	---
MW-15	5/26/2017	165	<430	<430	11.8	<1.0	1.6	<3.0	---	---
MW-15	9/28/2017	314	<390	<390	13.0	<1.0	<1.0	<3.0	---	---
MW-15	12/14/2017	170	<410	<410	4.6	<1.0	<1.0	<3.0	---	---
MW-15	3/1/2018	413 J	550	470	33.6 J	<1.0 J	2.5 J	<3.0 J	---	---
MW-15	6/27/2018	345	<430	<430	28.8	<1.0	<1.0	<3.0	---	---
MW-15	8/29/2018	395	510	<400	47.4	<1.0	<1.0	<3.0	---	---
MW-15 (DUP)	8/29/2018	443	430	<400	53.3	<1.0	<1.0	<3.0	---	---
MW-16	2/29/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16	5/16/2012	68.7	120	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16	9/5/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16	11/14/2012	<100	<110	<110	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16	2/6/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16	5/8/2013	<100	<200	<200	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16	8/21/2013	<100	<400	<400	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
MW-16	11/26/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16	2/3/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16	5/8/2014	<50	<28	<48	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-16	8/15/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16 (DUP)	8/15/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16	11/21/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16	2/18/2015	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	---
MW-16	11/17/2016	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---
MW-16	2/17/2017	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---
MW-16	5/25/2017	<100	<500	<500	<1.0	<1.0	<1.0	<3.0	---	---
MW-16	9/27/2017	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---
MW-16	12/13/2017	405	<410	<410	2.8	8.8	6.4	55.2	---	---
MW-16	2/28/2018	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---

Table 6

**Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
MW-16	6/26/2018	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	---	---
MW-16	8/28/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-17	9/5/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-17	11/16/2012	<100	<100	<100	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-17	2/6/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-17	5/7/2013	<100	<200	<200	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-17	8/21/2013	<100	430	<420	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
MW-17	11/26/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-17	2/6/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-17	5/9/2014	<50	<28	<48	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-17	11/18/2016	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-17	5/25/2017	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---
MW-17	9/27/2017	<100 J	<390	<390	<1.0 J	<1.0 J	<1.0 J	<3.0 J	---	---
MW-17	12/12/2017	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-17	2/28/2018	<100	<390	<390	<1.0 J	<1.0 J	<1.0 J	<3.0 J	---	---
MW-17	6/26/2018	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---
MW-17	8/28/2018	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---
DW-1	11/15/2011	<50.0	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-1	2/28/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-1	5/16/2012	<50.0	<76	<380	10.9	<1.0	<1.0	<3.0	<1.0	--
DW-1	9/4/2012	<50.0	<77	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-1	11/13/2012	<100	<110	<110	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-1	2/5/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-1	5/1/2013	<100	<200	<410	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-1	8/14/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-1	11/22/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-1	2/13/2014	<100	<400	<400	2	<1.0	<1.0	<3.0	<1.0	--
DW-1	4/30/2014	<50	<48	<28	<0.15	<0.11	<0.16	<0.40	<0.17	--
DW-2	11/16/2011	33,800	340	<380	638	2,280	699	3,820	4.8	--
DW-2	2/23/2012	8,730	430	<380	132	281	225	1,330	5.8	--
DW-2 (DUP)	2/23/2012	8,190	380	<380	128	292	234	1,330	6.2	--
DW-2	5/9/2012	4,150	390	<380	54.4	34.4	72.0	407	4.6	--
DW-2	8/24/2012	1,360	98	<410	44.6	8.9	26.5	120	1.7	--
DW-2	11/6/2012	1,060	140	<110	49.1	2.4	19.5	48.3J	<1.0	--
DW-2	1/31/2013	434	<450	<450	11.9	<1.0	6.5	9.2	<1.0	--
DW-2	4/30/2013	378	<200	<200	14.7	<1.0	3.3	15.5	<1.0	--
DW-2 (DUP)	4/30/2013	321	<200	<200	15.1	<1.0	3	14.6	<1.0	--
DW-2	8/23/2013	821	<420	<420	13	1.3 J	3.4	10.1	1.4	--
DW-2 (DUP)	8/23/2013	733	<400	<400	12.9	1.3	3.1	10.1	1.4	--
DW-2	11/21/2013	326	<400	<400	5.9	<1.0	<1.0	13.1	<1.0	--
DW-2	2/12/2014	395	<400	450	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-2	4/29/2014	333	48	<28	1.4	1.1	<0.16	3.4	2.1	--
DW-3	11/17/2011	<50.0	<75	<380	<1.0	<1.0	1.3	<3.0	<1.0	--
DW-3	2/21/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-3	5/15/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-3	8/28/2012	<50.0	<81	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-3	11/9/2012	<100	<120	<120	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-3	1/30/2013	<100	<490	<490	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-3	5/1/2013	<100	<200	<600	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-3	8/15/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-3	11/19/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-3	2/5/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-3	5/1/2014	<50	410	2,200	<0.15	<0.11	<0.16	<0.40	<0.17	--
DW-4	9/5/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-4	11/16/2012	<100	<110	<110	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-4	2/6/2013	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-4	5/7/2013	<100	<200	<200	<1.0	<1.0	<1.0	<3.0	<1.0	--

**Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington**

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
DW-4	8/21/2013	<100	<420	<420	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
DW-4	11/26/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-4	2/6/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-4	5/9/2014	<50	<29	<50	<0.15	<0.11	<0.16	<0.40	<0.17	--
Retention Pond	6/3/2004	36,200	--	--	7,860	6,920	792	3,260	--	--
Retention Pond	4/19/2006	38,000	2,800	<1000	2,100	4,400	180	3,300	NA	--
Retention Pond	2/19/2007	16,000	1,400	140	1,600	2,500	100	1,500	2	--

Notes: Not analyzed.

NA Not detected above reporting limit.

U Estimated

J Extension on well nomenclature signifies well extended by SECOR 07/05

x micrograms per liter

µg/L Results in the diesel organics range are due to overlap from a gasoline range product.

(a) Chromatogram suggest this might be aged or degraded diesel.

(b) Contaminant does not appear to be typical product.

(d) The observed sample pattern includes #2 fuel/diesel and an additional pattern which elutes earlier and later in the DRO range

(e) The reporting limits were raised because sample dilution was necessary to bring target compounds into the calibration range of the system

(f) Due to insufficient sample size, the lab was unable to report their usual reporting limits.

(g) The values reported represent the lowest reporting limits obtainable. The observed sample pattern includes #2 fuel/diesel and an additional pattern which elutes earlier and later in the DRO range.

The observed sample pattern is not typical of #2 diesel fuel. It elutes in the DRO range earlier than #2 fuel.

(h) Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

The observed sample pattern is not typical of #2 fuel/diesel. The reported result is due to an individual peak(s) eluting in the DRO range.

(i) The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.

(j) Due to insufficient sample size, we were unable to report our usual reporting limits. The values reported represent the lowest reporting limits attainable.

(k) The concentration reported for toluene is estimated since it exceeded the calibration range of the instrument.

(l) Because only one sample vial was submitted for this analysis, a further diluted analysis could not be performed.

Insufficient water to fill all sample bottles.

(m) The reporting limits for the GC/MS volatile compounds were raised due to sample foaming.

(n) Due to excessive foaming of the sample, normal reporting limits were not attained.

(o) Due to insufficient sample size, we were unable to report our usual reporting limits. The values reported represent the lowest reporting limits attainable.

(p) Due to insufficient sample size, we were unable to report our usual reporting limits. The values reported represent the lowest reporting limits attainable.

(q) The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.

Due to insufficient sample size, we were unable to report our usual reporting limits. The values reported represent the lowest reporting limits attainable.

(s) MTCA Method A levels for TPH-g are 1,000 µg/l when no benzene is present and 800 µg/l when benzene is present.

(t) Well LAIx-2 labeled LAI-2 in the analytical report and Chain-Of-Custody.

(u) Well LAIx-3 labeled LAI-2 in the analytical report and Chain-Of-Custody.

(v) Ethanol sampled 3Q08 and 1Q09

(w) The GRO value is estimated because the value is over the calibration range of the system. The sample was not reanalyzed because the hold time has expired.

(x) The GC/MS volatile results were obtained from a vial with headspace.

(y) The initial analyses of this sample were unable to be reported due to carryover issues and QC spiking

The reporting limits for the GC/MS volatile compounds were raised due to the level of non-target compounds.

(z) The analytical data is from Acton Mickelson Environmental, Inc. sampling on 8/26/2008 and 8/27/2008.

(1) A-01 Contamination elutes between C18 and C40 and does not match any standards in TestAmerica's reference library.

(2) A-01a Contamination elutes between C8 and C18 and does not match any standards in TestAmerica's reference library.

(3) A-01b Contamination elutes between C8 and C28 and does not match any standards in TestAmerica's reference library.

(4) A-01c Contamination elutes between C8 and C40 and does not match any standards in TestAmerica's reference library.

(5) M8 The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).

(6) RL1 Reporting limit raised due to sample matrix effects.

(7) H1 = Analysis conducted outside the EPA method holding time.

(8) 2n = The internal standard response is outside the QC criteria. Results may be biased low.

(9) Sample was diluted due to the presence of high levels of target analytes.

(10) Analyte concentration exceeded the calibration range. The reported result is estimated.

(E) Result confirmed by second analysis.

(C0) Matrix Spike recovery exceeded the QC limits. Batch accepted based on laboratory control sample recovery.

(M1) This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimate.

(SS)

Appendices

Appendix A

O&M Laboratory Analytical Reports

July 26, 2018

Thuan Bui
GHD
20818 44th Avenue West
Suite 190
Lynnwood, WA 98036

RE: Project: 70496.17
Pace Project No.: 10440016

Dear Thuan Bui:

Enclosed are the analytical results for sample(s) received by the laboratory on July 19, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Timothy Sandager for
Jennifer Gross
jennifer.gross@pacelabs.com
(206)957-2426
Project Manager

Enclosures

cc: Eric Maise, GHD Services Inc.
Christina McClelland, GHD Services, Inc.
Accounts Payable, GHD_Conoco Phillips



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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CERTIFICATIONS

Project: 70496.17

Pace Project No.: 10440016

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485

A2LA Certification #: 2926.01

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

CNMI Saipan Certification #: MP0003

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8+Wyoming DW Certification #: via MN 027-053-137

Florida Certification #: E87605

Georgia Certification #: 959

Guam EPA Certification #: MN00064

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: 03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Massachusetts Certification #: M-MN064

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

Minnesota Dept of Ag Certification #: via MN 027-053-137

Minnesota Petrofund Certification #: 1240

Mississippi Certification #: MN00064

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081

New Jersey Certification #: MN002

New York Certification #: 11647

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon NwTPH Certification #: MN300001

Oregon Secondary Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification #: MN00064

South Carolina Certification #: 74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192

Utah Certification #: MN00064

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DW Certification #: 9952 C

West Virginia DEP Certification #: 382

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 70496.17

Pace Project No.: 10440016

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10440016001	A-071718-OT-INF	Air	07/17/18 11:40	07/19/18 10:00
10440016002	A-071718-OT-INF cert #3470	Air	07/17/18 11:40	07/19/18 10:00
10440016003	A-071718-OT-EFF	Air	07/17/18 11:35	07/19/18 10:00
10440016004	A-071718-OT-EFF cert #1447	Air	07/17/18 11:35	07/19/18 10:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 70496.17

Pace Project No.: 10440016

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10440016001	A-071718-OT-INF	TO-15	MG2	6	PASI-M
10440016002	A-071718-OT-INF cert #3470	TO-15	MG2	5	PASI-M
10440016003	A-071718-OT-EFF	TO-15	MG2	6	PASI-M
10440016004	A-071718-OT-EFF cert #1447	TO-15	MJL	5	PASI-M

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10440016

Sample: A-071718-OT-INF		Lab ID: 10440016001	Collected: 07/17/18 11:40	Received: 07/19/18 10:00	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Benzene	2120	ppbv	63.4	633.6		07/21/18 01:09	71-43-2	
Ethylbenzene	971	ppbv	127	633.6		07/21/18 01:09	100-41-4	
THC as Gas	164000	ppbv	15100	633.6		07/21/18 01:09		N2
Toluene	3170	ppbv	127	633.6		07/21/18 01:09	108-88-3	
m&p-Xylene	6530	ppbv	253	633.6		07/21/18 01:09	179601-23-1	
o-Xylene	2730	ppbv	127	633.6		07/21/18 01:09	95-47-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10440016

Sample: A-071718-OT-INF cert #3470 **Lab ID: 10440016002** Collected: 07/17/18 11:40 Received: 07/19/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification		Analytical Method: TO-15						
Benzene	ND	ug/m3	0.32	1		06/22/18 02:39	71-43-2	
Ethylbenzene	ND	ug/m3	0.88	1		06/22/18 02:39	100-41-4	
Toluene	ND	ug/m3	0.77	1		06/22/18 02:39	108-88-3	
m&p-Xylene	ND	ug/m3	1.8	1		06/22/18 02:39	179601-23-1	
o-Xylene	ND	ug/m3	0.88	1		06/22/18 02:39	95-47-6	

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10440016

Sample: A-071718-OT-EFF		Lab ID: 10440016003	Collected: 07/17/18 11:35	Received: 07/19/18 10:00	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Benzene	3.0	ppbv	0.19	1.9		07/21/18 00:33	71-43-2	
Ethylbenzene	1.1	ppbv	0.38	1.9		07/21/18 00:33	100-41-4	
THC as Gas	751	ppbv	45.4	1.9		07/21/18 00:33		N2
Toluene	198	ppbv	11.4	57		07/21/18 16:44	108-88-3	
m&p-Xylene	3.9	ppbv	0.76	1.9		07/21/18 00:33	179601-23-1	
o-Xylene	1.1	ppbv	0.38	1.9		07/21/18 00:33	95-47-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10440016

Sample: A-071718-OT-EFF cert #1447 **Lab ID:** 10440016004 Collected: 07/17/18 11:35 Received: 07/19/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification		Analytical Method: TO-15						
Benzene	ND	ug/m3	0.32	1		06/20/18 04:36	71-43-2	
Ethylbenzene	ND	ug/m3	0.88	1		06/20/18 04:36	100-41-4	
Toluene	ND	ug/m3	0.77	1		06/20/18 04:36	108-88-3	
m&p-Xylene	ND	ug/m3	1.8	1		06/20/18 04:36	179601-23-1	
o-Xylene	ND	ug/m3	0.88	1		06/20/18 04:36	95-47-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10440016

QC Batch: 551669 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR
Associated Lab Samples: 10440016001, 10440016003

METHOD BLANK: 2997859 Matrix: Air
Associated Lab Samples: 10440016001, 10440016003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ppbv	ND	0.10	07/20/18 10:11	
Ethylbenzene	ppbv	ND	0.20	07/20/18 10:11	
m&p-Xylene	ppbv	ND	0.40	07/20/18 10:11	
o-Xylene	ppbv	ND	0.20	07/20/18 10:11	
THC as Gas	ppbv	ND	23.9	07/20/18 10:11	N2
Toluene	ppbv	ND	0.20	07/20/18 10:11	

LABORATORY CONTROL SAMPLE: 2997860

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ppbv	10	9.1	91	70-134	
Ethylbenzene	ppbv	10	9.5	95	70-133	
m&p-Xylene	ppbv	20	18.4	92	70-133	
o-Xylene	ppbv	10	9.6	96	70-132	
THC as Gas	ppbv	1120	1210	109	59-150	N2
Toluene	ppbv	10	9.5	95	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 70496.17
Pace Project No.: 10440016

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

SAMPLE QUALIFIERS

Sample: 10440016001

[1] This result is reported from a serial dilution.

ANALYTE QUALIFIERS

N2 The lab does not hold NELAC/TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 70496.17

Pace Project No.: 10440016

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10440016001	A-071718-OT-INF	TO-15	551669		
10440016003	A-071718-OT-EFF	TO-15	551669		
10440016002	A-071718-OT-INF cert #3470	TO-15	551970		
10440016004	A-071718-OT-EFF cert #1447	TO-15	551970		

REPORT OF LABORATORY ANALYSIS

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WO#: 10440016



10440016

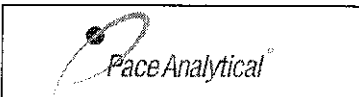
CHAIN-OF-CUSTODY / Analytical
The Chain-of-Custody is a LEGAL DOCUMENT. All r

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: GHD Services, Inc.	Report To: Christina McClelland	Attention: Christina McClelland
Address: 20818 44th Avenue West, Suite 190 Lynnwood, WA 98036	Copy To: Eric Maise and Thuan Bui	Company Name: GHD Services, Inc.
Email To: christina.mcclelland@ghd.com, eric.maise@ghd.com, thuan.bui@ghd.com	Purchase Order No.:	Address: 2055 Niagara Falls Boulevard Suite #3, Niagara Falls, New York, 14304
Phone: (425)563-6502 Fax:	Client Project ID: 70496.17	Regulatory Agency:
Requested Due Date/TAT: Standard	Container Order Number:	State / Location:
		Pace Quote Reference:
		Pace Project Manager: Jennifer Gross
		Pace Profile #:

ITEM#	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX Drinking Water Water Waste Water Product Soil/Solid Oil Wipe Air Other Tissue	CODE DW WT WW P SL OL WP AR OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (S=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives Unpreserved H2SO4 HNO3 HCl NaOH Na2S2O3 Methanol Other	Y/N	Requested Analysis Filtered (Y/N)											
						START		END						Analyses Test		Residual Chlorine (Y/N)									
						DATE	TIME	DATE	TIME					MTLPH-GX (TPHG)	BTEX (TO-15)		METHANE (TO-16)								
1	A-071718 - OT -INF	OT	G		OT	7/17	1140				1	X	X	X									001.002		
2	A-071718 - OT -EFF	OT	G		G	7/17	1135				1	X	X	X										003.004	
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	<i>D. Indem / GHD</i>	<i>7/17</i>	<i>1200</i>	<i>[Signature]</i>	<i>7/19/18</i>	<i>10:00</i>	<i>- N N X</i>

SAMPLER NAME AND SIGNATURE		TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	<i>D. Indem</i>				
SIGNATURE of SAMPLER:	<i>[Signature]</i>				
	DATE Signed:	<i>7/17</i>			



Document Name:
Air Sample Condition Upon Receipt
Document No.:
F-MN-A-106-rev.15

Document Revised: 02May2018
Page 1 of 1
Issuing Authority:
Pace Minnesota Quality Office

Air Sample Condition Upon Receipt

Client Name: GHD Project #: _____

WO#: 10440016

Courier: Fed Ex UPS Speedee Client
 Commercial Pace Other: _____

PM: JMG Due Date: 07/26/18
CLIENT: GHD_COP

Tracking Number: 7476 3008 1971

Custody Seal on Cooler/Box Present? Yes No Seals Intact? Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Tin Can Other: _____ Temp Blank rec: Yes No

Temp. (TO17 and TO13 samples only) (°C): _____ Corrected Temp (°C): _____ Thermom. Used: G87A9170600254 G87A9155100842

Temp should be above freezing to 6°C Correction Factor: _____ Date & Initials of Person Examining Contents: AG 7/19/18

Type of ice Received Blue Wet None

		Comments:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Media: <u>Air Can</u> Airbag Filter TDT Passive		11. Individually Certified Cans <u>Y</u> N (list which samples)
Is sufficient information available to reconcile samples to the COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.

Samples Received: <u>FFFT, 2 stand alone gauges</u>					Pressure Gauge # 10AIR26				
Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
<u>INF</u>	<u>3470</u>	<u>-</u>	<u>-4.5</u>	<u>+10</u>					
<u>EFF</u>	<u>1447</u>	<u>-</u>	<u>-3.5</u>	<u>"</u>					

CLIENT NOTIFICATION/RESOLUTION Field Data Required? Yes No
Person Contacted: _____ Date/Time: _____
Comments/Resolution: _____

Project Manager Review: _____ Date: 07/20/18
Note: Whenever there is a discrepancy aff JENNI GROSS mpliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, etc.)

July 31, 2018

Thuan Bui
GHD
20818 44th Avenue West
Suite 190
Lynnwood, WA 98036

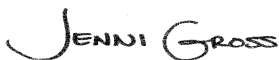
RE: Project: 70496.17
Pace Project No.: 10439965

Dear Thuan Bui:

Enclosed are the analytical results for sample(s) received by the laboratory on July 18, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jennifer Gross
jennifer.gross@pacelabs.com
(206)957-2426
Project Manager

Enclosures

cc: Eric Maise, GHD Services Inc.
Christina McClelland, GHD Services, Inc.
Accounts Payable, GHD_Conoco Phillips



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 70496.17

Pace Project No.: 10439965

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485

A2LA Certification #: 2926.01

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

CNMI Saipan Certification #: MP0003

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8+Wyoming DW Certification #: via MN 027-053-137

Florida Certification #: E87605

Georgia Certification #: 959

Guam EPA Certification #: MN00064

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: 03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Massachusetts Certification #: M-MN064

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

Minnesota Dept of Ag Certification #: via MN 027-053-137

Minnesota Petrofund Certification #: 1240

Mississippi Certification #: MN00064

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081

New Jersey Certification #: MN002

New York Certification #: 11647

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon NwTPH Certification #: MN300001

Oregon Secondary Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification #: MN00064

South Carolina Certification #: 74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192

Utah Certification #: MN00064

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DW Certification #: 9952 C

West Virginia DEP Certification #: 382

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 70496.17
Pace Project No.: 10439965

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10439965001	GW-071718-DT-INF 1	Water	07/17/18 09:30	07/18/18 09:30
10439965002	GW-071718-DT-INF 2	Water	07/17/18 09:45	07/18/18 09:30
10439965003	GW-071718-DT-MID 1	Water	07/17/18 10:00	07/18/18 09:30
10439965004	GW-071718-DT-MID 2	Water	07/17/18 10:15	07/18/18 09:30
10439965005	GW-071718-DT-Total EFF	Water	07/17/18 10:30	07/18/18 09:30
10439965006	GW-071718-DT-Total EFF 1	Water	07/17/18 10:30	07/18/18 09:30
10439965007	GW-071718-DT-Total EFF 2	Water	07/17/18 10:45	07/18/18 09:30
10439965008	GW-071718-DT-Total EFF 3	Water	07/17/18 11:00	07/18/18 09:30
10439965009	GW-071718-DT-Total EFF 4	Water	07/17/18 10:15	07/18/18 09:30
10439965010	GW-071718-DT-Total EFF 5	Water	07/17/18 10:30	07/18/18 09:30
10439965011	GW-071718-DT-Total EFF 6	Water	07/17/18 10:45	07/18/18 09:30
10439965012	GW-071718-DT-Total EFF 7	Water	07/17/18 11:00	07/18/18 09:30
10439965013	Trip Blank	Water	07/17/18 00:00	07/18/18 09:30
10439965014	GW-071718-DT-Total EFF 1,2,3,4	Water	07/17/18 11:00	07/18/18 09:30
10439965015	GW-071718-DT-Total EFF 5,6,7	Water	07/17/18 11:00	07/18/18 09:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 70496.17

Pace Project No.: 10439965

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10439965001	GW-071718-DT-INF 1	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10439965002	GW-071718-DT-INF 2	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	MJD	7	PASI-M
10439965003	GW-071718-DT-MID 1	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10439965004	GW-071718-DT-MID 2	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10439965005	GW-071718-DT-Total EFF	NWTPH-Dx	EC2	4	PASI-M
10439965013	Trip Blank	NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10439965014	GW-071718-DT-Total EFF 1,2,3,4	NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	MJD	7	PASI-M
10439965015	GW-071718-DT-Total EFF 5,6,7	EPA 1664A OG	AR3	1	PASI-M

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10439965

Sample: GW-071718-DT-INF 1		Lab ID: 10439965001	Collected: 07/17/18 09:30	Received: 07/18/18 09:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS Silica Gel LV		Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C						
Diesel Fuel Range SG	3.8	mg/L	0.38	1	07/19/18 08:38	07/23/18 11:22	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.38	1	07/19/18 08:38	07/23/18 11:22	64742-65-0	
Surrogates								
o-Terphenyl (S)	81	%.	50-150	1	07/19/18 08:38	07/23/18 11:22	84-15-1	
n-Triacontane (S)	81	%.	50-150	1	07/19/18 08:38	07/23/18 11:22	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	65300	ug/L	10000	100		07/19/18 22:47		G-
Surrogates								
a,a,a-Trifluorotoluene (S)	90	%.	50-150	100		07/19/18 22:47	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	5800	ug/L	50.0	50		07/27/18 10:02	71-43-2	
Ethylbenzene	812	ug/L	10.0	10		07/27/18 01:08	100-41-4	
Toluene	10600	ug/L	50.0	50		07/27/18 10:02	108-88-3	
Xylene (Total)	8490	ug/L	150	50		07/27/18 10:02	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%.	75-125	10		07/27/18 01:08	17060-07-0	
Toluene-d8 (S)	97	%.	75-125	10		07/27/18 01:08	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125	10		07/27/18 01:08	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10439965

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: GW-071718-DT-INF 2 Lab ID: 10439965002 Collected: 07/17/18 09:45 Received: 07/18/18 09:30 Matrix: Water								
NWTPH-Dx GCS Silica Gel LV Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C								
Diesel Fuel Range SG	3.1	mg/L	0.39	1	07/19/18 08:38	07/23/18 11:32	68334-30-5	
Motor Oil Range SG	1.5	mg/L	0.39	1	07/19/18 08:38	07/23/18 11:32	64742-65-0	
Surrogates								
o-Terphenyl (S)	24	%	50-150	1	07/19/18 08:38	07/23/18 11:32	84-15-1	S5
n-Triacontane (S)	27	%	50-150	1	07/19/18 08:38	07/23/18 11:32	638-68-6	S5
NWTPH-Gx GCV Analytical Method: NWTPH-Gx								
TPH as Gas	358	ug/L	100	1		07/30/18 16:16		G+,G-
Surrogates								
a,a,a-Trifluorotoluene (S)	93	%	50-150	1		07/30/18 16:16	98-08-8	
8260B MSV UST Analytical Method: EPA 8260B								
Benzene	9.5	ug/L	1.0	1		07/28/18 18:30	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		07/28/18 18:30	100-41-4	
Toluene	7.0	ug/L	1.0	1		07/28/18 18:30	108-88-3	
Xylene (Total)	37.9	ug/L	3.0	1		07/28/18 18:30	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	94	%	75-125	1		07/28/18 18:30	17060-07-0	
Toluene-d8 (S)	96	%	75-125	1		07/28/18 18:30	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125	1		07/28/18 18:30	460-00-4	

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10439965

Sample: GW-071718-DT-MID 1		Lab ID: 10439965003		Collected: 07/17/18 10:00	Received: 07/18/18 09:30	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS Silica Gel LV		Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C						
Diesel Fuel Range SG	ND	mg/L	0.39	1	07/19/18 08:38	07/23/18 11:41	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.39	1	07/19/18 08:38	07/23/18 11:41	64742-65-0	
Surrogates								
o-Terphenyl (S)	78	%.	50-150	1	07/19/18 08:38	07/23/18 11:41	84-15-1	
n-Triacontane (S)	75	%.	50-150	1	07/19/18 08:38	07/23/18 11:41	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		07/30/18 17:07		G-
Surrogates								
a,a,a-Trifluorotoluene (S)	90	%.	50-150	1		07/30/18 17:07	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	19.9	ug/L	1.0	1		07/27/18 00:34	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		07/27/18 00:34	100-41-4	
Toluene	3.3	ug/L	1.0	1		07/27/18 00:34	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		07/27/18 00:34	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	96	%.	75-125	1		07/27/18 00:34	17060-07-0	
Toluene-d8 (S)	98	%.	75-125	1		07/27/18 00:34	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125	1		07/27/18 00:34	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17
Pace Project No.: 10439965

Sample: GW-071718-DT-MID 2		Lab ID: 10439965004	Collected: 07/17/18 10:15	Received: 07/18/18 09:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS Silica Gel LV		Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C						
Diesel Fuel Range SG	ND	mg/L	0.39	1	07/19/18 08:38	07/23/18 11:51	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.39	1	07/19/18 08:38	07/23/18 11:51	64742-65-0	
Surrogates								
o-Terphenyl (S)	68	%.	50-150	1	07/19/18 08:38	07/23/18 11:51	84-15-1	
n-Triacontane (S)	61	%.	50-150	1	07/19/18 08:38	07/23/18 11:51	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		07/19/18 21:57		
Surrogates								
a,a,a-Trifluorotoluene (S)	93	%.	50-150	1		07/19/18 21:57	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		07/27/18 00:51	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		07/27/18 00:51	100-41-4	
Toluene	ND	ug/L	1.0	1		07/27/18 00:51	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		07/27/18 00:51	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%.	75-125	1		07/27/18 00:51	17060-07-0	
Toluene-d8 (S)	98	%.	75-125	1		07/27/18 00:51	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125	1		07/27/18 00:51	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10439965

Sample: GW-071718-DT-Total EFF		Lab ID: 10439965005	Collected: 07/17/18 10:30	Received: 07/18/18 09:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS Silica Gel LV		Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C						
Diesel Fuel Range SG	ND	mg/L	0.38	1	07/19/18 08:38	07/23/18 12:00	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.38	1	07/19/18 08:38	07/23/18 12:00	64742-65-0	
Surrogates								
o-Terphenyl (S)	78	%.	50-150	1	07/19/18 08:38	07/23/18 12:00	84-15-1	
n-Triacontane (S)	75	%.	50-150	1	07/19/18 08:38	07/23/18 12:00	638-68-6	

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10439965

Sample: Trip Blank		Lab ID: 10439965013	Collected: 07/17/18 00:00	Received: 07/18/18 09:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		07/20/18 00:11		
Surrogates								
a,a,a-Trifluorotoluene (S)	89	%.	50-150	1		07/20/18 00:11	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		07/26/18 20:14	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		07/26/18 20:14	100-41-4	
Toluene	ND	ug/L	1.0	1		07/26/18 20:14	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		07/26/18 20:14	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%.	75-125	1		07/26/18 20:14	17060-07-0	
Toluene-d8 (S)	98	%.	75-125	1		07/26/18 20:14	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	75-125	1		07/26/18 20:14	460-00-4	

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10439965

Sample: GW-071718-DT-Total EFF 1,2,3,4 **Lab ID:** 10439965014 Collected: 07/17/18 11:00 Received: 07/18/18 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		07/19/18 22:14		
Surrogates								
a,a,a-Trifluorotoluene (S)	94	%.	50-150	1		07/19/18 22:14	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		07/28/18 18:47	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		07/28/18 18:47	100-41-4	
Toluene	ND	ug/L	1.0	1		07/28/18 18:47	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		07/28/18 18:47	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	94	%.	75-125	1		07/28/18 18:47	17060-07-0	
Toluene-d8 (S)	97	%.	75-125	1		07/28/18 18:47	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125	1		07/28/18 18:47	460-00-4	

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10439965

Sample: GW-071718-DT-Total EFF 5,6,7 **Lab ID:** 10439965015 Collected: 07/17/18 11:00 Received: 07/18/18 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 HEM, Oil and Grease								
Analytical Method: EPA 1664A OG								
Oil and Grease	ND	mg/L	6.3	1		07/27/18 10:51		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70496.17

Pace Project No.: 10439965

QC Batch: 551372 Analysis Method: NWTPH-Gx
 QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Water
 Associated Lab Samples: 10439965001, 10439965004, 10439965013, 10439965014

METHOD BLANK: 2996137 Matrix: Water
 Associated Lab Samples: 10439965001, 10439965004, 10439965013, 10439965014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	07/19/18 19:09	
a,a,a-Trifluorotoluene (S)	%.	91	50-150	07/19/18 19:09	

METHOD BLANK: 2996138 Matrix: Water
 Associated Lab Samples: 10439965001, 10439965004, 10439965013, 10439965014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	07/19/18 19:26	
a,a,a-Trifluorotoluene (S)	%.	93	50-150	07/19/18 19:26	

LABORATORY CONTROL SAMPLE & LCSD: 2996139 2996140

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	1050	982	105	98	41-137	7	20	
a,a,a-Trifluorotoluene (S)	%.				100	98	50-150			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2996664 2996665

Parameter	Units	10439797001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH as Gas	ug/L	<19.6	1000	1000	973	929	97	93	30-145	5	30	
a,a,a-Trifluorotoluene (S)	%.						96	99	50-150			

SAMPLE DUPLICATE: 2996666

Parameter	Units	10439797002 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	<19.6	ND		30	
a,a,a-Trifluorotoluene (S)	%.	94	89	5		

SAMPLE DUPLICATE: 2996667

Parameter	Units	10439797003 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	<19.6	ND		30	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10439965

SAMPLE DUPLICATE: 2996667

Parameter	Units	10439797003 Result	Dup Result	RPD	Max RPD	Qualifiers
a,a,a-Trifluorotoluene (S)	%.	96	95	0		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10439965

QC Batch: 553541 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Water
Associated Lab Samples: 10439965002, 10439965003

METHOD BLANK: 3007473 Matrix: Water
Associated Lab Samples: 10439965002, 10439965003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	07/30/18 16:00	
a,a,a-Trifluorotoluene (S)	%.	97	50-150	07/30/18 16:00	

LABORATORY CONTROL SAMPLE & LCSD: 3007474

Parameter	Units	3007474		3007475		% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec				
TPH as Gas	ug/L	1000	1030	933	103	93	10	20	
a,a,a-Trifluorotoluene (S)	%.				97	101			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3007566 3007567

Parameter	Units	10439965003 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	MSD Result	MSD Result						
TPH as Gas	ug/L	ND	1000	1000	999	1000	99	100	30-145	0	30	
a,a,a-Trifluorotoluene (S)	%.						98	97	50-150			

SAMPLE DUPLICATE: 3007568

Parameter	Units	10440985001 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	ND	ND		30	
a,a,a-Trifluorotoluene (S)	%.	92	91	2		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10439965

QC Batch: 552982 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV UST-WATER
Associated Lab Samples: 10439965001, 10439965003, 10439965004, 10439965013

METHOD BLANK: 3004384 Matrix: Water
Associated Lab Samples: 10439965001, 10439965003, 10439965004, 10439965013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	07/26/18 19:39	
Ethylbenzene	ug/L	ND	1.0	07/26/18 19:39	
Toluene	ug/L	ND	1.0	07/26/18 19:39	
Xylene (Total)	ug/L	ND	3.0	07/26/18 19:39	
1,2-Dichloroethane-d4 (S)	%	96	75-125	07/26/18 19:39	
4-Bromofluorobenzene (S)	%	99	75-125	07/26/18 19:39	
Toluene-d8 (S)	%	100	75-125	07/26/18 19:39	

LABORATORY CONTROL SAMPLE: 3004385

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	21.1	106	75-126	
Ethylbenzene	ug/L	20	21.3	107	75-125	
Toluene	ug/L	20	20.5	103	74-125	
Xylene (Total)	ug/L	60	67.1	112	75-125	
1,2-Dichloroethane-d4 (S)	%			94	75-125	
4-Bromofluorobenzene (S)	%			99	75-125	
Toluene-d8 (S)	%			99	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3004386 3004387

Parameter	Units	10440208006		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
Benzene	ug/L	8.2	20	20	28.8	28.8	103	103	62-140	0	30		
Ethylbenzene	ug/L	3.6	20	20	23.4	24.9	99	106	75-131	6	30		
Toluene	ug/L	0.17J	20	20	19.1	21.1	95	105	68-132	10	30		
Xylene (Total)	ug/L	12.2	60	60	74.1	80.3	103	113	69-135	8	30		
1,2-Dichloroethane-d4 (S)	%						95	94	75-125				
4-Bromofluorobenzene (S)	%						100	98	75-125				
Toluene-d8 (S)	%						100	98	75-125				

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3004388 3004389

Parameter	Units	10440208010		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
Benzene	ug/L	<0.10	20	20	22.3	22.1	111	110	62-140	1	30		
Ethylbenzene	ug/L	<0.14	20	20	22.4	21.5	112	108	75-131	4	30		

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QUALITY CONTROL DATA

Project: 70496.17

Pace Project No.: 10439965

Parameter	Units	3004388		3004389		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		10440208010 Result	MS Spike Conc.	MSD Spike Conc.									
Toluene	ug/L	<0.083	20	20	21.5	21.2	107	106	68-132	1	30		
Xylene (Total)	ug/L	<0.31	60	60	69.8	68.2	116	114	69-135	2	30		
1,2-Dichloroethane-d4 (S)	%.						95	94	75-125				
4-Bromofluorobenzene (S)	%.						99	101	75-125				
Toluene-d8 (S)	%.						98	99	75-125				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70496.17

Pace Project No.: 10439965

QC Batch: 553274

Analysis Method: EPA 8260B

QC Batch Method: EPA 8260B

Analysis Description: 8260B MSV UST-WATER

Associated Lab Samples: 10439965002, 10439965014

METHOD BLANK: 3006141

Matrix: Water

Associated Lab Samples: 10439965002, 10439965014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	07/28/18 14:28	
Ethylbenzene	ug/L	ND	1.0	07/28/18 14:28	
Toluene	ug/L	ND	1.0	07/28/18 14:28	
Xylene (Total)	ug/L	ND	3.0	07/28/18 14:28	
1,2-Dichloroethane-d4 (S)	%	98	75-125	07/28/18 14:28	
4-Bromofluorobenzene (S)	%	101	75-125	07/28/18 14:28	
Toluene-d8 (S)	%	98	75-125	07/28/18 14:28	

LABORATORY CONTROL SAMPLE: 3006142

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	19.6	98	75-126	
Ethylbenzene	ug/L	20	19.9	99	75-125	
Toluene	ug/L	20	19.3	96	74-125	
Xylene (Total)	ug/L	60	62.5	104	75-125	
1,2-Dichloroethane-d4 (S)	%			93	75-125	
4-Bromofluorobenzene (S)	%			99	75-125	
Toluene-d8 (S)	%			97	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3006143 3006144

Parameter	Units	10440485002		3006144		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Benzene	ug/L	<0.10	20	20	22.1	24.4	110	122	62-140	10	30
Ethylbenzene	ug/L	<0.14	20	20	21.2	24.0	106	120	75-131	12	30
Toluene	ug/L	<0.083	20	20	21.3	23.4	107	117	68-132	9	30
Xylene (Total)	ug/L	<0.31	60	60	68.8	74.2	115	124	69-135	8	30
1,2-Dichloroethane-d4 (S)	%						97	96	75-125		
4-Bromofluorobenzene (S)	%						100	99	75-125		
Toluene-d8 (S)	%						97	98	75-125		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10439965

QC Batch: 551791 Analysis Method: NWTPH-Dx
QC Batch Method: EPA Mod. 3510C Analysis Description: NWTPH-Dx GCS LV SG
Associated Lab Samples: 10439965001, 10439965002, 10439965003, 10439965004, 10439965005

METHOD BLANK: 2998956 Matrix: Water
Associated Lab Samples: 10439965001, 10439965002, 10439965003, 10439965004, 10439965005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Fuel Range SG	mg/L	ND	0.40	07/23/18 10:54	
Motor Oil Range SG	mg/L	ND	0.40	07/23/18 10:54	
n-Triacontane (S)	%.	71	50-150	07/23/18 10:54	
o-Terphenyl (S)	%.	70	50-150	07/23/18 10:54	

LABORATORY CONTROL SAMPLE & LCSD: 2998957

Parameter	Units	2998958					% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec				
Diesel Fuel Range SG	mg/L	2	1.6	1.6	79	82	50-150	4	20	
Motor Oil Range SG	mg/L	2	1.6	1.7	80	83	50-150	4	20	
n-Triacontane (S)	%.				82	81	50-150			
o-Terphenyl (S)	%.				82	83	50-150			

SAMPLE DUPLICATE: 2998959

Parameter	Units	10439965005 Result	Dup Result	RPD	Max RPD	Qualifiers
Diesel Fuel Range SG	mg/L	ND	ND		30	
Motor Oil Range SG	mg/L	ND	ND		30	
n-Triacontane (S)	%.	75	83	12		
o-Terphenyl (S)	%.	78	81	5		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10439965

QC Batch:	552790	Analysis Method:	EPA 1664A OG
QC Batch Method:	EPA 1664A OG	Analysis Description:	1664 HEM, Oil and Grease
Associated Lab Samples:	10439965015		

METHOD BLANK: 3003495 Matrix: Water
Associated Lab Samples: 10439965015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	07/27/18 10:51	

LABORATORY CONTROL SAMPLE: 3003496

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	37.6	94	78-114	

MATRIX SPIKE SAMPLE: 3003497

Parameter	Units	10440469001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	40	34.1	82	78-114	

SAMPLE DUPLICATE: 3003498

Parameter	Units	10440505001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	ND	2.2J		18	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 70496.17

Pace Project No.: 10439965

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

BATCH QUALIFIERS

Batch: 552790

[BE] Batch extracted by solid phase extraction (SPE).

ANALYTE QUALIFIERS

G+ Late peaks present outside the GRO window.

G- Early peaks present outside the GRO window.

S5 Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).

REPORT OF LABORATORY ANALYSIS

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METHOD CROSS REFERENCE TABLE

Project: 70496.17
Pace Project No.: 10439965

Parameter	Matrix	Analytical Method	Preparation Method
8260B MSV UST	Water	SW-846 8260B/5030B	N/A

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 70496.17

Pace Project No.: 10439965

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10439965001	GW-071718-DT-INF 1	EPA Mod. 3510C	551791	NWTPH-Dx	551988
10439965002	GW-071718-DT-INF 2	EPA Mod. 3510C	551791	NWTPH-Dx	551988
10439965003	GW-071718-DT-MID 1	EPA Mod. 3510C	551791	NWTPH-Dx	551988
10439965004	GW-071718-DT-MID 2	EPA Mod. 3510C	551791	NWTPH-Dx	551988
10439965005	GW-071718-DT-Total EFF	EPA Mod. 3510C	551791	NWTPH-Dx	551988
10439965001	GW-071718-DT-INF 1	NWTPH-Gx	551372		
10439965002	GW-071718-DT-INF 2	NWTPH-Gx	553541		
10439965003	GW-071718-DT-MID 1	NWTPH-Gx	553541		
10439965004	GW-071718-DT-MID 2	NWTPH-Gx	551372		
10439965013	Trip Blank	NWTPH-Gx	551372		
10439965014	GW-071718-DT-Total EFF 1,2,3,4	NWTPH-Gx	551372		
10439965001	GW-071718-DT-INF 1	EPA 8260B	552982		
10439965002	GW-071718-DT-INF 2	EPA 8260B	553274		
10439965003	GW-071718-DT-MID 1	EPA 8260B	552982		
10439965004	GW-071718-DT-MID 2	EPA 8260B	552982		
10439965013	Trip Blank	EPA 8260B	552982		
10439965014	GW-071718-DT-Total EFF 1,2,3,4	EPA 8260B	553274		
10439965015	GW-071718-DT-Total EFF 5,6,7	EPA 1664A OG	552790		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed ac



Section A		Section B		Section C	
Required Client Information:		Required Project Information:		Invoice Information:	
Company: GHD Services, Inc.		Report To: Christina McClelland		Attention: Christina McClelland	
Address: 20818 44th Avenue West, Suite 190		Copy To: Eric Maise and Thuan Bui		Company Name: GHD Services, Inc.	
Lynnwood, WA 98036				Address: 2055 Niagara Falls Boulevard Suite #3, Niagara Falls, New York, 14304	
Regulatory Agency:		Purchase Order No.:		Pace Quote Reference:	
Email To: christina.mcclelland@ghd.com, eric.maise@ghd.com, thuan.bui@ghd.com		Client Project ID: 70496.17		Pace Project Manager: Jennifer Gross	
Phone: (425)563-6502 Fax:		Container Order Number:		State / Location:	
Requested Due Date/TAT: Standard					

ITEM#	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample IDs must be unique	MATRIX Drinking Water Water Waste Water Product Soli/Solid Oil Wipe Air Other Tissue	CODE DW WT WW P SL CL WP AR OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (S=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Y/N	Requested Analysis Filtered (Y/N)								Residual Chlorine (Y/N)																
						START DATE	END DATE			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2SO3	Methanol		Other	Analyses Test																							
																			TPH (NWTPH-Dx)	TPHg (NWTPH-Gx)	BTEX (EPA 8260)	FOG 1664																				
1	GW-071718-DT-INF 1	WT	G			7/17	0930									X	X	X																								
	GW-071718-DT-INF 2	WT	G			7/17	0945									X	X	X																								
2	GW-071718-DT-MID 1	WT	G			7/17	1000									X	X	X																								
3	GW-071718-DT-MID 2	WT	G			7/17	1015									X	X	X																								
4	GW-071718-DT-Total EFF	WT	G			7/17	1030									X																										
5	GW-071718-DT-Total EFF 1	WT	G			7/17	1030										X	X																								
6	GW-071718-DT-Total EFF 2	WT	G			7/17	1045										X	X																								
7	GW-071718-DT-Total EFF 3	WT	G			7/17	1100										X	X																								
8	GW-071718-DT-Total EFF 4	WT	G			7/17	1015										X	X																								
9	GW-071718-DT-Total EFF 5	WT	G			7/17	1030												X																							
10	GW-071718-DT-Total EFF 6	WT	G			7/17	1045												X																							
11	GW-071718-DT-Total EFF 7	WT	G			7/17	1100												X																							

Composite EFF 1, 2, 3, 4 at lab 014

Composite EFF 5, 6, 7 at lab 015

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Trp Blank in 7/18/18 x6 of 8	D. Trudeau GHD	7/17	1200	[Signature]	7/18/18	0930	90	Y	7	Y

SAMPLER NAME AND SIGNATURE		TEMP In C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: D. Trudeau					
SIGNATURE of SAMPLER: [Signature]					
DATE Signed: 7/17/18					

GW-MONTHLY



Document Name:
Sample Condition Upon Receipt Form

Document No.:
F-MN-L-213-rev.23

Document Revised: 02May2018
Page 1 of 2

Issuing Authority:
Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: GHD Services, Inc

Project #: _____

WO#: 10439965

PM: JMG Due Date: 07/25/18

CLIENT: GHD_COP

Courier: Fed Ex UPS USPS Client

Commercial Pace SpeedDee Other: _____

Tracking Number: 4486-7785 8375

Custody Seal on Cooler/Box Present? Yes No

Seals Intact? Yes No

Optional: Proj. Due Date: _____ Proj. Name: _____

Packing Material: Bubble Wrap Bubble Bags None Other: _____

Temp Blank? Yes No

Thermometer Used: G87A9170600254 G87A9155100842

Type of Ice: Wet Blue None Dry Melted

Cooler Temp Read (°C): 4.0 Cooler Temp Corrected (°C): 4.0

Temp should be above freezing to 6°C Correction Factor: True

Biological Tissue Frozen? Yes No N/A

Date and Initials of Person Examining Contents: 7/18/18, A.H.

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

	COMMENTS:
Chain of Custody Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name and/or Signature on COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72 hr)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered Volume Received for Dissolved Tests? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container
Is sufficient information available to reconcile the samples to the COC? Matrix: <u>Wk</u> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
All containers needing acid/base preservation have been checked? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH Positive for Res. Chlorine? Y N
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , <2pH, NaOH >9 Sulfide, NaOH >12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Sample #
Initial when completed: _____ Lot # of added preservative: _____	
Headspace in VOA Vials (>6mm)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14. See exceptions sheet
Trip Blank Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>167002</u>	

CLIENT NOTIFICATION/RESOLUTION

Person Contacted: Christina, Thuan Date/Time: 07/18/18

Comments/Resolution: Notified client of headspace.

Field Data Required? Yes No

Project Manager Review:

Note: Whenever there is a discrepancy affecting North Carolina, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of state).

JENNI GROSS Date: 07/18/18



Document Name:
Headspace Exception

Document Revised: 06Nov2017
Page 1 of 1

Document No.:
F-MN-C-276-Rev.00

Issuing Authority:
Pace Minnesota Quality Office

Sample ID	Headspace > 6mm	Headspace < 6mm	No Headspace	Total Vials
GW-071718	0	1	5	6
Trip Blank	6	0	0	6

August 20, 2018

Thuan Bui
GHD
20818 44th Avenue West
Suite 190
Lynnwood, WA 98036

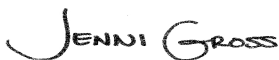
RE: Project: 70496.17
Pace Project No.: 10443449

Dear Thuan Bui:

Enclosed are the analytical results for sample(s) received by the laboratory on August 15, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jennifer Gross
jennifer.gross@pacelabs.com
(206)957-2426
Project Manager

Enclosures

cc: Eric Maise, GHD Services Inc.
Christina McClelland, GHD Services, Inc.
Accounts Payable, GHD_Conoco Phillips



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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CERTIFICATIONS

Project: 70496.17

Pace Project No.: 10443449

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485

A2LA Certification #: 2926.01

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

CNMI Saipan Certification #: MP0003

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8+Wyoming DW Certification #: via MN 027-053-137

Florida Certification #: E87605

Georgia Certification #: 959

Guam EPA Certification #: MN00064

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: 03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Massachusetts Certification #: M-MN064

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

Minnesota Dept of Ag Certification #: via MN 027-053-137

Minnesota Petrofund Certification #: 1240

Mississippi Certification #: MN00064

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081

New Jersey Certification #: MN002

New York Certification #: 11647

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon NwTPH Certification #: MN300001

Oregon Secondary Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification #: MN00064

South Carolina Certification #:74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192

Utah Certification #: MN00064

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DW Certification #: 9952 C

West Virginia DEP Certification #: 382

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 70496.17

Pace Project No.: 10443449

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10443449001	A-081318-JRL-INF	Air	08/13/18 12:30	08/15/18 10:00
10443449002	A-081318-JRL-INF cert 1444	Air	08/13/18 12:30	08/15/18 10:00
10443449003	A-081318-JRL-EFF	Air	08/13/18 12:35	08/15/18 10:00
10443449004	A-081318-JRL-EFF cert 3470	Air	08/13/18 12:35	08/15/18 10:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 70496.17
Pace Project No.: 10443449

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10443449001	A-081318-JRL-INF	TO-15	MG2	6	PASI-M
10443449002	A-081318-JRL-INF cert 1444	TO-15	NCK	5	PASI-M
10443449003	A-081318-JRL-EFF	TO-15	MG2	6	PASI-M
10443449004	A-081318-JRL-EFF cert 3470	TO-15	MJL	5	PASI-M

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10443449

Sample: A-081318-JRL-INF		Lab ID: 10443449001	Collected: 08/13/18 12:30	Received: 08/15/18 10:00	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Benzene	433	ppbv	27.8	278		08/17/18 16:50	71-43-2	
Ethylbenzene	132	ppbv	55.6	278		08/17/18 16:50	100-41-4	
THC as Gas	ND	ppbv	6640	278		08/17/18 16:50		N2
Toluene	831	ppbv	55.6	278		08/17/18 16:50	108-88-3	
m&p-Xylene	701	ppbv	111	278		08/17/18 16:50	179601-23-1	
o-Xylene	257	ppbv	55.6	278		08/17/18 16:50	95-47-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10443449

Sample: A-081318-JRL-INF cert 1444 **Lab ID:** 10443449002 Collected: 08/13/18 12:30 Received: 08/15/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification		Analytical Method: TO-15						
Benzene	ND	ug/m3	0.32	1		07/18/18 10:49	71-43-2	
Ethylbenzene	ND	ug/m3	0.88	1		07/18/18 10:49	100-41-4	
Toluene	ND	ug/m3	0.77	1		07/18/18 10:49	108-88-3	
m&p-Xylene	ND	ug/m3	1.8	1		07/18/18 10:49	179601-23-1	
o-Xylene	ND	ug/m3	0.88	1		07/18/18 10:49	95-47-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10443449

Sample: A-081318-JRL-EFF		Lab ID: 10443449003	Collected: 08/13/18 12:35	Received: 08/15/18 10:00	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Benzene	19.6	ppbv	1.0	10.1		08/17/18 16:15	71-43-2	
Ethylbenzene	10.3	ppbv	2.0	10.1		08/17/18 16:15	100-41-4	
THC as Gas	ND	ppbv	241	10.1		08/17/18 16:15		N2
Toluene	54.5	ppbv	2.0	10.1		08/17/18 16:15	108-88-3	
m&p-Xylene	77.2	ppbv	4.0	10.1		08/17/18 16:15	179601-23-1	
o-Xylene	20.0	ppbv	2.0	10.1		08/17/18 16:15	95-47-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10443449

Sample: A-081318-JRL-EFF cert 3470 **Lab ID: 10443449004** Collected: 08/13/18 12:35 Received: 08/15/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification		Analytical Method: TO-15						
Benzene	ND	ug/m3	0.32	1		07/24/18 09:23	71-43-2	
Ethylbenzene	ND	ug/m3	0.88	1		07/24/18 09:23	100-41-4	
Toluene	ND	ug/m3	0.77	1		07/24/18 09:23	108-88-3	
m&p-Xylene	ND	ug/m3	1.8	1		07/24/18 09:23	179601-23-1	
o-Xylene	ND	ug/m3	0.88	1		07/24/18 09:23	95-47-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10443449

QC Batch: 557583 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR
Associated Lab Samples: 10443449001, 10443449003

METHOD BLANK: 3027203 Matrix: Air
Associated Lab Samples: 10443449001, 10443449003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ppbv	ND	0.050	08/17/18 09:08	
Ethylbenzene	ppbv	ND	0.10	08/17/18 09:08	
m&p-Xylene	ppbv	ND	0.20	08/17/18 09:08	
o-Xylene	ppbv	ND	0.10	08/17/18 09:08	
THC as Gas	ppbv	ND	12.0	08/17/18 09:08	N2
Toluene	ppbv	ND	0.10	08/17/18 09:08	

LABORATORY CONTROL SAMPLE: 3027204

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ppbv	10	9.7	97	70-134	
Ethylbenzene	ppbv	10	10.3	103	70-133	
m&p-Xylene	ppbv	20	20.4	102	70-133	
o-Xylene	ppbv	10	10.5	105	70-132	
THC as Gas	ppbv	1120	1080	97	59-150	N2
Toluene	ppbv	10	9.6	96	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 70496.17
Pace Project No.: 10443449

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

N2 The lab does not hold NELAC/TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 70496.17

Pace Project No.: 10443449

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10443449001	A-081318-JRL-INF	TO-15	557583		
10443449003	A-081318-JRL-EFF	TO-15	557583		
10443449002	A-081318-JRL-INF cert 1444	TO-15	557932		
10443449004	A-081318-JRL-EFF cert 3470	TO-15	557932		

REPORT OF LABORATORY ANALYSIS

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WO#: 10443449



CHAIN-OF-CUSTODY / Analytical R
The Chain-of-Custody is a LEGAL DOCUMENT. All relea



Page : 1 Of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: GHD Services, Inc. Address: 20818 44th Avenue West, Suite 190 Lynnwood, WA 98036 Email To: christina.mcclelland@ghd.com, eric.maise@ghd.com, thuan.bui@ghd.com Phone: (425)563-6502 Fax: [] Requested Due Date/TAT: Standard	Report To: Christina McClelland Copy To: Eric Maise and Thuan Bui Purchase Order No. Client Project ID: 70496.17 Container Order Number:	Attention: Christina McClelland Company Name: GHD Services, Inc. Address: 2055 Niagara Falls Boulevard Suite #3, Niagara Falls, New York, 14304 Pace Quote Reference: Pace Project Manager: Jennifer Gross Pace Profile #:
Regulatory Agency:		State / Location:

ITEM#	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX Drinking Water Water Waste Water Product Soil/Solid Oil Wipe Air Other Tissue	CODE DW WT WW P SL OL WP AR OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)																	
						DATE	TIME	DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2SO3				Methanol	Other															
1	A-081318 - JRL -INF			OT	G	8/13/18	1230				1	X									X	X	X													001,002	
2	A-081318 - JRL -EFF			OT	G	8/13/18	1235				1	X										X	X													003,004	
3																																					
4																																					
5																																					
6																																					
7																																					
8																																					
9																																					
10																																					
11																																					
12																																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	JRL	08/13/18	1300	WILLACE	8-15-18	1000	- N N Y

GW MONTHLY

SAMPLER NAME AND SIGNATURE		TEMP In C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: JOE LEWANDOWSKI					
SIGNATURE of SAMPLER:					
DATE Signed: 08-13-18					

Air Sample Condition Upon Receipt

Client Name: GHD
Project #: _____

WO# : 10443449
PM: JMG **Due Date: 08/22/18**
CLIENT: GHD_COP

Courier: Fed Ex UPS Speedee Client
 Commercial Pace Other: _____

Tracking Number: 7476 3008 8472

Custody Seal on Cooler/Box Present? Yes No **Seals Intact?** Yes No
 Optional: Proj. Due Date: _____ Proj. Name: _____

Packing Material: Bubble Wrap Bubble Bags Foam None Tin Can Other: _____ **Temp Blank rec:** Yes No

Temp. (TO17 and TO13 samples only) (°C): X **Corrected Temp (°C):** X **Thermom. Used:** G87A9170600254
 G87A9155100842
Temp should be above freezing to 6°C **Correction Factor:** X **Date & Initials of Person Examining Contents:** 8-15-18 AA

Type of ice Received Blue Wet None

		Comments:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished?	<input type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used?	<input type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Media: <u>Air Can</u> Airbag Filter TDT Passive		11. Individually Certified Cans <input checked="" type="checkbox"/> N (list which samples)
Is sufficient information available to reconcile samples to the COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.

Samples Received: FFFT, stand alone gauges Pressure Gauge # 10AIR26

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
<u>INF</u>	<u>1444</u>	<u>-</u>	<u>-1</u>	<u>+10</u>					
<u>EFF</u>	<u>3470</u>	<u>-</u>	<u>-5</u>	<u>"</u>					

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** Yes No
 Person Contacted: _____ Date/Time: _____
 Comments/Resolution: _____

Project Manager Review: JENNI GROSS **Date:** 08/16/18
 Note: Whenever there is a discrepancy affecting hold, incorrect preservative, out of temp, incorrect containers) **ance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of**

August 27, 2018

Thuan Bui
GHD
20818 44th Avenue West
Suite 190
Lynnwood, WA 98036

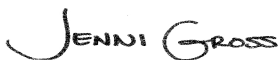
RE: Project: 70496.17
Pace Project No.: 10443342

Dear Thuan Bui:

Enclosed are the analytical results for sample(s) received by the laboratory on August 14, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jennifer Gross
jennifer.gross@pacelabs.com
(206)957-2426
Project Manager

Enclosures

cc: Eric Maise, GHD Services Inc.
Christina McClelland, GHD Services, Inc.
Accounts Payable, GHD_Conoco Phillips



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 70496.17

Pace Project No.: 10443342

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485

A2LA Certification #: 2926.01

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

CNMI Saipan Certification #: MP0003

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8+Wyoming DW Certification #: via MN 027-053-137

Florida Certification #: E87605

Georgia Certification #: 959

Guam EPA Certification #: MN00064

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: 03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Massachusetts Certification #: M-MN064

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

Minnesota Dept of Ag Certification #: via MN 027-053-137

Minnesota Petrofund Certification #: 1240

Mississippi Certification #: MN00064

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081

New Jersey Certification #: MN002

New York Certification #: 11647

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon NwTPH Certification #: MN300001

Oregon Secondary Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification #: MN00064

South Carolina Certification #:74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192

Utah Certification #: MN00064

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DW Certification #: 9952 C

West Virginia DEP Certification #: 382

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 70496.17
Pace Project No.: 10443342

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10443342001	GW-081318-JRL-INF 1	Water	08/13/18 12:15	08/14/18 09:45
10443342002	GW-081318-JRL-INF 2	Water	08/13/18 12:00	08/14/18 09:45
10443342003	GW-081318-JRL-MID 1	Water	08/13/18 11:45	08/14/18 09:45
10443342004	GW-081318-JRL-MID 2	Water	08/13/18 11:30	08/14/18 09:45
10443342005	GW-081318-JRL-Total EFF	Water	08/13/18 10:30	08/14/18 09:45
10443342006	GW-081318-JRL-Total EFF 1	Water	08/13/18 10:30	08/14/18 09:45
10443342007	GW-081318-JRL-Total EFF 2	Water	08/13/18 10:45	08/14/18 09:45
10443342008	GW-081318-JRL-Total EFF 3	Water	08/13/18 11:00	08/14/18 09:45
10443342009	GW-081318-JRL-Total EFF 4	Water	08/13/18 11:15	08/14/18 09:45
10443342010	GW-081318-JRL-Total EFF 1-4	Water	08/13/18 11:15	08/14/18 09:45
10443342011	GW-081318-JRL-Total EFF 5	Water	08/13/18 10:30	08/14/18 09:45
10443342012	GW-081318-JRL-Total EFF 6	Water	08/13/18 10:45	08/14/18 09:45
10443342013	GW-081318-JRL-Total EFF 7	Water	08/13/18 11:00	08/14/18 09:45
10443342014	GW-081318-JRL-Total EFF 5-7	Water	08/13/18 11:00	08/14/18 09:45
10443342015	Trip Blank	Water	08/13/18 00:00	08/14/18 09:45

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 70496.17

Pace Project No.: 10443342

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10443342001	GW-081318-JRL-INF 1	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	MJD	7	PASI-M
10443342002	GW-081318-JRL-INF 2	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	MJD	7	PASI-M
10443342003	GW-081318-JRL-MID 1	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	MJD	7	PASI-M
10443342004	GW-081318-JRL-MID 2	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	MJD	7	PASI-M
10443342005	GW-081318-JRL-Total EFF	NWTPH-Dx	EC2	4	PASI-M
10443342010	GW-081318-JRL-Total EFF 1-4	NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	MJD	7	PASI-M
10443342014	GW-081318-JRL-Total EFF 5-7	EPA 1664A OG	AR3	1	PASI-M
10443342015	Trip Blank	NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	MJD	7	PASI-M

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10443342

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: GW-081318-JRL-INF 1								
Lab ID: 10443342001								
Collected: 08/13/18 12:15 Received: 08/14/18 09:45 Matrix: Water								
NWTPH-Dx GCS Silica Gel LV								
Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C								
Diesel Fuel Range SG	2.4	mg/L	0.38	1	08/16/18 19:14	08/22/18 09:21	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.38	1	08/16/18 19:14	08/22/18 09:21	64742-65-0	
Surrogates								
o-Terphenyl (S)	76	%	50-150	1	08/16/18 19:14	08/22/18 09:21	84-15-1	
n-Triacontane (S)	68	%	50-150	1	08/16/18 19:14	08/22/18 09:21	638-68-6	
NWTPH-Gx GCV								
Analytical Method: NWTPH-Gx								
TPH as Gas	22500	ug/L	1000	10		08/22/18 16:26		
Surrogates								
a,a,a-Trifluorotoluene (S)	98	%	50-150	10		08/22/18 16:26	98-08-8	
8260B MSV UST								
Analytical Method: EPA 8260B								
Benzene	2070	ug/L	25.0	25		08/17/18 06:23	71-43-2	
Ethylbenzene	131	ug/L	25.0	25		08/17/18 06:23	100-41-4	
Toluene	1780	ug/L	25.0	25		08/17/18 06:23	108-88-3	
Xylene (Total)	3110	ug/L	75.0	25		08/17/18 06:23	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%	75-125	25		08/17/18 06:23	17060-07-0	
Toluene-d8 (S)	98	%	75-125	25		08/17/18 06:23	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125	25		08/17/18 06:23	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10443342

Sample: GW-081318-JRL-INF 2	Lab ID: 10443342002	Collected: 08/13/18 12:00	Received: 08/14/18 09:45	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS Silica Gel LV		Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C						
Diesel Fuel Range SG	3.4	mg/L	0.38	1	08/16/18 19:14	08/22/18 09:44	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.38	1	08/16/18 19:14	08/22/18 09:44	64742-65-0	
Surrogates								
o-Terphenyl (S)	77	%.	50-150	1	08/16/18 19:14	08/22/18 09:44	84-15-1	
n-Triacontane (S)	70	%.	50-150	1	08/16/18 19:14	08/22/18 09:44	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	2700	ug/L	100	1		08/22/18 13:20		
Surrogates								
a,a,a-Trifluorotoluene (S)	93	%.	50-150	1		08/22/18 13:20	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	43.8	ug/L	1.0	1		08/17/18 05:48	71-43-2	
Ethylbenzene	1.2	ug/L	1.0	1		08/17/18 05:48	100-41-4	
Toluene	18.4	ug/L	1.0	1		08/17/18 05:48	108-88-3	
Xylene (Total)	338	ug/L	3.0	1		08/17/18 05:48	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%.	75-125	1		08/17/18 05:48	17060-07-0	
Toluene-d8 (S)	98	%.	75-125	1		08/17/18 05:48	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125	1		08/17/18 05:48	460-00-4	

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10443342

Sample: GW-081318-JRL-MID 1		Lab ID: 10443342003	Collected: 08/13/18 11:45	Received: 08/14/18 09:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS Silica Gel LV		Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C						
Diesel Fuel Range SG	ND	mg/L	0.39	1	08/16/18 19:14	08/22/18 09:55	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.39	1	08/16/18 19:14	08/22/18 09:55	64742-65-0	
Surrogates								
o-Terphenyl (S)	93	%.	50-150	1	08/16/18 19:14	08/22/18 09:55	84-15-1	
n-Triacontane (S)	83	%.	50-150	1	08/16/18 19:14	08/22/18 09:55	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		08/27/18 11:42		
Surrogates								
a,a,a-Trifluorotoluene (S)	93	%.	50-150	1		08/27/18 11:42	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	14.8	ug/L	1.0	1		08/17/18 05:13	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		08/17/18 05:13	100-41-4	
Toluene	1.7	ug/L	1.0	1		08/17/18 05:13	108-88-3	
Xylene (Total)	8.5	ug/L	3.0	1		08/17/18 05:13	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%.	75-125	1		08/17/18 05:13	17060-07-0	
Toluene-d8 (S)	98	%.	75-125	1		08/17/18 05:13	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125	1		08/17/18 05:13	460-00-4	

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10443342

Sample: GW-081318-JRL-MID 2		Lab ID: 10443342004	Collected: 08/13/18 11:30	Received: 08/14/18 09:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS Silica Gel LV		Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C						
Diesel Fuel Range SG	ND	mg/L	0.38	1	08/16/18 19:14	08/22/18 10:07	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.38	1	08/16/18 19:14	08/22/18 10:07	64742-65-0	
Surrogates								
o-Terphenyl (S)	88	%.	50-150	1	08/16/18 19:14	08/22/18 10:07	84-15-1	
n-Triacontane (S)	81	%.	50-150	1	08/16/18 19:14	08/22/18 10:07	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		08/27/18 11:59		
Surrogates								
a,a,a-Trifluorotoluene (S)	89	%.	50-150	1		08/27/18 11:59	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	1.1	ug/L	1.0	1		08/17/18 05:30	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		08/17/18 05:30	100-41-4	
Toluene	ND	ug/L	1.0	1		08/17/18 05:30	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		08/17/18 05:30	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%.	75-125	1		08/17/18 05:30	17060-07-0	
Toluene-d8 (S)	98	%.	75-125	1		08/17/18 05:30	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125	1		08/17/18 05:30	460-00-4	

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10443342

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: GW-081318-JRL-Total EFF Lab ID: 10443342005 Collected: 08/13/18 10:30 Received: 08/14/18 09:45 Matrix: Water								
NWTPH-Dx GCS Silica Gel LV Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C								
Diesel Fuel Range SG	ND	mg/L	0.40	1	08/16/18 19:14	08/22/18 10:18	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.40	1	08/16/18 19:14	08/22/18 10:18	64742-65-0	
Surrogates								
o-Terphenyl (S)	74	%	50-150	1	08/16/18 19:14	08/22/18 10:18	84-15-1	
n-Triacontane (S)	69	%	50-150	1	08/16/18 19:14	08/22/18 10:18	638-68-6	

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ANALYTICAL RESULTS

Project: 70496.17
Pace Project No.: 10443342

Sample: GW-081318-JRL-Total EFF 1-4 **Lab ID:** 10443342010 Collected: 08/13/18 11:15 Received: 08/14/18 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		08/22/18 16:09		
Surrogates								
a,a,a-Trifluorotoluene (S)	86	%.	50-150	1		08/22/18 16:09	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		08/17/18 04:55	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		08/17/18 04:55	100-41-4	
Toluene	ND	ug/L	1.0	1		08/17/18 04:55	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		08/17/18 04:55	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%.	75-125	1		08/17/18 04:55	17060-07-0	
Toluene-d8 (S)	98	%.	75-125	1		08/17/18 04:55	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125	1		08/17/18 04:55	460-00-4	

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10443342

Sample: GW-081318-JRL-Total EFF 5-7 **Lab ID:** 10443342014 Collected: 08/13/18 11:00 Received: 08/14/18 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 HEM, Oil and Grease								
Analytical Method: EPA 1664A OG								
Oil and Grease	ND	mg/L	6.2	1		08/23/18 15:12		

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10443342

Sample: Trip Blank		Lab ID: 10443342015	Collected: 08/13/18 00:00	Received: 08/14/18 09:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		08/22/18 15:01		
Surrogates								
a,a,a-Trifluorotoluene (S)	90	%.	50-150	1		08/22/18 15:01	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		08/16/18 23:06	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		08/16/18 23:06	100-41-4	
Toluene	ND	ug/L	1.0	1		08/16/18 23:06	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		08/16/18 23:06	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%.	75-125	1		08/16/18 23:06	17060-07-0	
Toluene-d8 (S)	97	%.	75-125	1		08/16/18 23:06	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125	1		08/16/18 23:06	460-00-4	

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10443342

QC Batch: 558377 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Water
Associated Lab Samples: 10443342001, 10443342002, 10443342010, 10443342015

METHOD BLANK: 3031339 Matrix: Water
Associated Lab Samples: 10443342001, 10443342002, 10443342010, 10443342015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	08/22/18 13:04	
a,a,a-Trifluorotoluene (S)	%.	89	50-150	08/22/18 13:04	

LABORATORY CONTROL SAMPLE & LCSD: 3031341

Parameter	Units	3031341		3031342		% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec				
TPH as Gas	ug/L	1000	1050	970	105	97	8	20	
a,a,a-Trifluorotoluene (S)	%.				93	93			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3031724 3031725

Parameter	Units	10444994001		3031724		3031725		% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec				
TPH as Gas	ug/L	113	1000	1000	1090	1120	98	101	3	30	
a,a,a-Trifluorotoluene (S)	%.						96	95			

SAMPLE DUPLICATE: 3031723

Parameter	Units	10443342002 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	2700	2490	8	30	
a,a,a-Trifluorotoluene (S)	%.	93	89	4		

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10443342

QC Batch: 559167 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Water
Associated Lab Samples: 10443342003, 10443342004

METHOD BLANK: 3035987 Matrix: Water
Associated Lab Samples: 10443342003, 10443342004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	08/27/18 11:25	
a,a,a-Trifluorotoluene (S)	%.	91	50-150	08/27/18 11:25	

LABORATORY CONTROL SAMPLE & LCSD: 3035988

Parameter	Units	3035989								Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	
TPH as Gas	ug/L	1000	1040	1040	104	104	41-137	0	20	
a,a,a-Trifluorotoluene (S)	%.				100	97	50-150			

SAMPLE DUPLICATE: 3036003

Parameter	Units	10443342004		RPD	Max RPD	Qualifiers
		Result	Dup Result			
TPH as Gas	ug/L	ND	ND		30	
a,a,a-Trifluorotoluene (S)	%.	89	89	1		

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QUALITY CONTROL DATA

Project: 70496.17

Pace Project No.: 10443342

QC Batch: 557238 Analysis Method: EPA 8260B
 QC Batch Method: EPA 8260B Analysis Description: 8260B MSV UST-WATER
 Associated Lab Samples: 10443342001, 10443342002, 10443342003, 10443342004, 10443342010, 10443342015

METHOD BLANK: 3025280 Matrix: Water
 Associated Lab Samples: 10443342001, 10443342002, 10443342003, 10443342004, 10443342010, 10443342015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	08/16/18 22:48	
Ethylbenzene	ug/L	ND	1.0	08/16/18 22:48	
Toluene	ug/L	ND	1.0	08/16/18 22:48	
Xylene (Total)	ug/L	ND	3.0	08/16/18 22:48	
1,2-Dichloroethane-d4 (S)	%	99	75-125	08/16/18 22:48	
4-Bromofluorobenzene (S)	%	99	75-125	08/16/18 22:48	
Toluene-d8 (S)	%	98	75-125	08/16/18 22:48	

LABORATORY CONTROL SAMPLE: 3025281

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	20.2	101	75-126	
Ethylbenzene	ug/L	20	19.2	96	75-125	
Toluene	ug/L	20	19.5	97	74-125	
Xylene (Total)	ug/L	60	60.1	100	75-125	
1,2-Dichloroethane-d4 (S)	%			102	75-125	
4-Bromofluorobenzene (S)	%			99	75-125	
Toluene-d8 (S)	%			99	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3025282 3025283

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		10443274005 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
Benzene	ug/L	34.6	20	20	56.5	55.8	109	106	62-140	1	30	
Ethylbenzene	ug/L	4.1	20	20	25.2	25.0	105	104	75-131	1	30	
Toluene	ug/L	4.2	20	20	25.0	25.0	104	104	68-132	0	30	
Xylene (Total)	ug/L	56.6	60	60	127	125	117	114	69-135	2	30	
1,2-Dichloroethane-d4 (S)	%						101	101	75-125			
4-Bromofluorobenzene (S)	%						99	103	75-125			
Toluene-d8 (S)	%						99	99	75-125			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3025284 3025285

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		10443274010 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
Benzene	ug/L	0.21J	20	20	22.3	22.0	110	109	62-140	1	30	
Ethylbenzene	ug/L	<0.14	20	20	21.0	21.0	105	105	75-131	0	30	

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QUALITY CONTROL DATA

Project: 70496.17

Pace Project No.: 10443342

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3025284												3025285	
Parameter	Units	10443274010 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual		
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD			
Toluene	ug/L	<0.083	20	20	20.9	20.9	105	105	68-132	0	30		
Xylene (Total)	ug/L	<0.31	60	60	66.4	65.9	111	110	69-135	1	30		
1,2-Dichloroethane-d4 (S)	%						100	102	75-125				
4-Bromofluorobenzene (S)	%						100	101	75-125				
Toluene-d8 (S)	%						99	100	75-125				

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3025286												3025287	
Parameter	Units	10443282021 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual		
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD			
Benzene	ug/L	<0.10	20	20	21.6	22.1	108	110	62-140	2	30		
Ethylbenzene	ug/L	<0.14	20	20	21.1	20.9	105	105	75-131	1	30		
Toluene	ug/L	<0.083	20	20	20.8	21.1	104	105	68-132	2	30		
Xylene (Total)	ug/L	<0.31	60	60	65.3	65.9	109	110	69-135	1	30		
1,2-Dichloroethane-d4 (S)	%						100	101	75-125				
4-Bromofluorobenzene (S)	%						101	102	75-125				
Toluene-d8 (S)	%						99	100	75-125				

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10443342

QC Batch: 557422 Analysis Method: NWTPH-Dx
QC Batch Method: EPA Mod. 3510C Analysis Description: NWTPH-Dx GCS LV SG
Associated Lab Samples: 10443342001, 10443342002, 10443342003, 10443342004, 10443342005

METHOD BLANK: 3026452 Matrix: Water
Associated Lab Samples: 10443342001, 10443342002, 10443342003, 10443342004, 10443342005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Fuel Range SG	mg/L	ND	0.40	08/22/18 08:47	
Motor Oil Range SG	mg/L	ND	0.40	08/22/18 08:47	
n-Triacontane (S)	%.	71	50-150	08/22/18 08:47	
o-Terphenyl (S)	%.	86	50-150	08/22/18 08:47	

LABORATORY CONTROL SAMPLE & LCSD: 3026453

Parameter	Units	3026454		LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result						
Diesel Fuel Range SG	mg/L	2	1.5	1.7	77	83	50-150	8	20
Motor Oil Range SG	mg/L	2	1.5	1.6	73	81	50-150	10	20
n-Triacontane (S)	%.				79	82	50-150		
o-Terphenyl (S)	%.				83	89	50-150		

SAMPLE DUPLICATE: 3026455

Parameter	Units	10443342001 Result	Dup Result	RPD	Max RPD	Qualifiers
Diesel Fuel Range SG	mg/L	2.4	2.5	7	30	
Motor Oil Range SG	mg/L	ND	.18J		30	
n-Triacontane (S)	%.	68	76	12		
o-Terphenyl (S)	%.	76	78	3		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10443342

QC Batch: 558637 Analysis Method: EPA 1664A OG
QC Batch Method: EPA 1664A OG Analysis Description: 1664 HEM, Oil and Grease
Associated Lab Samples: 10443342014

METHOD BLANK: 3032801 Matrix: Water
Associated Lab Samples: 10443342014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	08/23/18 11:58	

LABORATORY CONTROL SAMPLE: 3032802

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	38.7	97	78-114	

MATRIX SPIKE SAMPLE: 3032803

Parameter	Units	10443558001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	40.4	40.0	95	78-114	

SAMPLE DUPLICATE: 3032804

Parameter	Units	10443558001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	ND	ND		18	

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QUALIFIERS

Project: 70496.17
Pace Project No.: 10443342

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

BATCH QUALIFIERS

Batch: 558637

[BE] Batch extracted by solid phase extraction (SPE).

REPORT OF LABORATORY ANALYSIS

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METHOD CROSS REFERENCE TABLE

Project: 70496.17
Pace Project No.: 10443342

Parameter	Matrix	Analytical Method	Preparation Method
8260B MSV UST	Water	SW-846 8260B/5030B	N/A

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 70496.17

Pace Project No.: 10443342

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10443342001	GW-081318-JRL-INF 1	EPA Mod. 3510C	557422	NWTPH-Dx	558344
10443342002	GW-081318-JRL-INF 2	EPA Mod. 3510C	557422	NWTPH-Dx	558344
10443342003	GW-081318-JRL-MID 1	EPA Mod. 3510C	557422	NWTPH-Dx	558344
10443342004	GW-081318-JRL-MID 2	EPA Mod. 3510C	557422	NWTPH-Dx	558344
10443342005	GW-081318-JRL-Total EFF	EPA Mod. 3510C	557422	NWTPH-Dx	558344
10443342001	GW-081318-JRL-INF 1	NWTPH-Gx	558377		
10443342002	GW-081318-JRL-INF 2	NWTPH-Gx	558377		
10443342003	GW-081318-JRL-MID 1	NWTPH-Gx	559167		
10443342004	GW-081318-JRL-MID 2	NWTPH-Gx	559167		
10443342010	GW-081318-JRL-Total EFF 1-4	NWTPH-Gx	558377		
10443342015	Trip Blank	NWTPH-Gx	558377		
10443342001	GW-081318-JRL-INF 1	EPA 8260B	557238		
10443342002	GW-081318-JRL-INF 2	EPA 8260B	557238		
10443342003	GW-081318-JRL-MID 1	EPA 8260B	557238		
10443342004	GW-081318-JRL-MID 2	EPA 8260B	557238		
10443342010	GW-081318-JRL-Total EFF 1-4	EPA 8260B	557238		
10443342015	Trip Blank	EPA 8260B	557238		
10443342014	GW-081318-JRL-Total EFF 5-7	EPA 1664A OG	558637		

REPORT OF LABORATORY ANALYSIS

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WO#: 10443342



10443342

CHAIN-OF-CUSTODY / Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: GHD Services, Inc.		Report To: Christina McClelland		Attention: Christina McClelland	
Address: 20818 44th Avenue West, Suite 190 Lynnwood, WA 98036		Copy To: Eric Maise and Thuan Bui		Company Name: GHD Services, Inc.	
Email To: christina.mcclelland@ghd.com, eric.maise@ghd.com, thuan.bui@ghd.com		Purchase Order No.		Address: 2055 Niagara Falls Boulevard Suite #3, Niagara Falls, New York, 14304	
Phone: (425)563-6502 Fax:		Client Project ID: 70496.17		Pace Quote Reference:	
Requested Due Date/TAT: Standard		Container Order Number:		Pace Project Manager: Jennifer Gross	
				Pace Profile #:	
				Regulatory Agency:	
				State / Location:	

ITEM#	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX Drinking Water Water Waste Water Product Soil/Solid Oil Wipe Air Other Tissue	CODE DW WT WW P SL OL WP AR OT TS	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Y/N	Analyzes Test TPHd (NMTPH-DX) TPHg (NMTPH-Gx) BTEX (EPA 8260) FOG 1664	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)			
				START	END			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3					Methanol	Other	
				DATE	TIME			DATE	TIME											
1	GW-081318 - JRL -INF 1	WT	G	8/13/18	1215		3				X				X	X	X			001
	GW-081318 - JRL -INF 2	WT	G		1200		3				X				X	X	X			002
2	GW-081318 - JRL -MID 1	WT	G		1145		3				X				X	X	X			003
3	GW-081318 - JRL -MID 2	WT	G		1130		3				X				X	X	X			004
4	GW-081318 - JRL -Total EFF	WT	G		1030		2				X				X					005
5	GW-081318 - JRL -Total EFF 1	WT	G		1030		2				X				X	X				006
6	GW-081318 - JRL -Total EFF 2	WT	G		1045		2				X				X	X				007
7	GW-081318 - JRL -Total EFF 3	WT	G		1100		2				X				X	X				008 Composite EFF 1, 2, 3, 4 at lab
8	GW-081318 - JRL -Total EFF 4	WT	G		1115		2				X				X	X				009
9	GW-081318 - JRL -Total EFF 5	WT	G		1030		1				X						X			010 011
10	GW-081318 - JRL -Total EFF 6	WT	G		1045		1				X						X			012 Composite EFF 5, 6, 7 at lab
11	GW-081318 - JRL -Total EFF 7	WT	G		1100		1				X						X			013

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	<i>[Signature]</i>	08/13/18	1300	<i>[Signature]</i>	8/14/18	945	4.58 ✓ ✓ ✓

SAMPLER NAME AND SIGNATURE		TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: JOE LEWANDOWSKI					
SIGNATURE of SAMPLER: <i>[Signature]</i>	DATE Signed: 08-13-18				

010
014
TRIP BLANK GET 8/14/18
015

Sample Condition Upon Receipt **Client Name:** GHD **Project #:** _____

Courier: Fed Ex UPS USPS Client
 Commercial Pace SpeedDee Other: _____

Tracking Number: _____

WO# : 10443342

PM: JMG **Due Date: 08/27/18**

CLIENT: GHD_COP

Custody Seal on Cooler/Box Present? Yes No **Seals Intact?** Yes No

Packing Material: Bubble Wrap Bubble Bags None Other: _____ **Temp Blank?** Yes No

Thermometer G87A9170600254 G87A9155100842 **Type of Ice:** Wet Blue None Dry Melted

Cooler Temp Read (°C): 4.7 **Cooler Temp Corrected (°C):** 4.8 **Biological Tissue Frozen?** Yes No N/A

Temp should be above freezing to 6°C **Correction Factor:** +0.1 **Date and Initials of Person Examining Contents:** 8/21/18

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? Yes No Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

	COMMENTS:
Chain of Custody Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name and/or Signature on COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72 hr)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered Volume Received for Dissolved Tests? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container
Is sufficient information available to reconcile the samples to the COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Matrix: <u>WT</u>	12.
All containers needing acid/base preservation have been checked? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH Positive for Res. Chlorine? Y N
All containers needing preservation are found to be in compliance with EPA recommendation? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Sample #
(HNO ₃ , H ₂ SO ₄ , <2pH, NaOH >9 Sulfide, NaOH >12 Cyanide) Exceptions: <u>VOA, Coliform, TOC/DOC, Oil and Grease, QRO/8015 (water) and Dioxin/PFAS</u> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Initial when completed: _____ Lot # of added preservative: _____
Headspace in VOA Vials (>6mm)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14. <u>See exception sheet</u>
Trip Blank Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15. <u>6 trip blanks</u>
Trip Blank Custody Seals Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>170062</u>	

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** Yes No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: _____ **Date:** 08/20/18

Note: Whenever there is a discrepancy affecting North Carolina con hold, incorrect preservative, out of temp, incorrect containers). *JENNI GROSS* Copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of

September 20, 2018

Christina McClelland
GHD Services, Inc.
20818 44th Ave W
Suite 190
Lynnwood, WA 98036

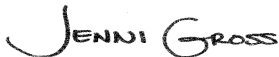
RE: Project: 70496
Pace Project No.: 10447527

Dear Christina McClelland:

Enclosed are the analytical results for sample(s) received by the laboratory on September 14, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jennifer Gross
jennifer.gross@pacelabs.com
(206)957-2426
Project Manager

Enclosures

cc: Jeff Gaarder, GHD
Accounts Payable, GHD_Conoco Phillips



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 70496
Pace Project No.: 10447527

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485

A2LA Certification #: 2926.01

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

CNMI Saipan Certification #: MP0003

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8+Wyoming DW Certification #: via MN 027-053-137

Florida Certification #: E87605

Georgia Certification #: 959

Guam EPA Certification #: MN00064

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: 03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Massachusetts Certification #: M-MN064

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

Minnesota Dept of Ag Certification #: via MN 027-053-137

Minnesota Petrofund Certification #: 1240

Mississippi Certification #: MN00064

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081

New Jersey Certification #: MN002

New York Certification #: 11647

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon NwTPH Certification #: MN300001

Oregon Secondary Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification #: MN00064

South Carolina Certification #:74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192

Utah Certification #: MN00064

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DW Certification #: 9952 C

West Virginia DEP Certification #: 382

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 70496
Pace Project No.: 10447527

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10447527001	A-091218-DT-INF	Air	09/12/18 11:00	09/14/18 10:05
10447527002	A-091218-DT-INF cert 1439	Air	09/12/18 11:00	09/14/18 10:05
10447527003	A-091218-DT-EFF	Air	09/12/18 10:55	09/14/18 10:05
10447527004	A-091218-DT-EFF cert 3811	Air	09/12/18 10:55	09/14/18 10:05

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 70496
Pace Project No.: 10447527

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10447527001	A-091218-DT-INF	TO-15	MLS	6	PASI-M
10447527002	A-091218-DT-INF cert 1439	TO-15	MLS	5	PASI-M
10447527003	A-091218-DT-EFF	TO-15	MLS	6	PASI-M
10447527004	A-091218-DT-EFF cert 3811	TO-15	MG2	5	PASI-M

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10447527

Sample: A-091218-DT-INF		Lab ID: 10447527001	Collected: 09/12/18 11:00	Received: 09/14/18 10:05	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Benzene	17000	ppbv	275	2752		09/20/18 02:35	71-43-2	
Ethylbenzene	5660	ppbv	550	2752		09/20/18 02:35	100-41-4	
THC as Gas	1880000	ppbv	65800	2752		09/20/18 02:35		N2
Toluene	20100	ppbv	550	2752		09/20/18 02:35	108-88-3	
m&p-Xylene	32500	ppbv	1100	2752		09/20/18 02:35	179601-23-1	
o-Xylene	12900	ppbv	550	2752		09/20/18 02:35	95-47-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10447527

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: A-091218-DT-INF cert 1439 Lab ID: 10447527002 Collected: 09/12/18 11:00 Received: 09/14/18 10:05 Matrix: Air								
Individual Can Certification		Analytical Method: TO-15						
Benzene	ND	ug/m3	0.32	1		07/26/18 10:32	71-43-2	
Ethylbenzene	ND	ug/m3	0.88	1		07/26/18 10:32	100-41-4	
Toluene	ND	ug/m3	0.77	1		07/26/18 10:32	108-88-3	
m&p-Xylene	ND	ug/m3	1.8	1		07/26/18 10:32	179601-23-1	
o-Xylene	ND	ug/m3	0.88	1		07/26/18 10:32	95-47-6	

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ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10447527

Sample: A-091218-DT-EFF		Lab ID: 10447527003		Collected: 09/12/18 10:55		Received: 09/14/18 10:05		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Benzene	12.8	ppbv	0.20	2.02		09/20/18 03:47	71-43-2		
Ethylbenzene	2.1	ppbv	0.40	2.02		09/20/18 03:47	100-41-4		
THC as Gas	1200	ppbv	48.3	2.02		09/20/18 03:47		N2	
Toluene	11.4	ppbv	0.40	2.02		09/20/18 03:47	108-88-3		
m&p-Xylene	10.7	ppbv	0.81	2.02		09/20/18 03:47	179601-23-1		
o-Xylene	4.3	ppbv	0.40	2.02		09/20/18 03:47	95-47-6		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10447527

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: A-091218-DT-EFF cert 3811 Lab ID: 10447527004 Collected: 09/12/18 10:55 Received: 09/14/18 10:05 Matrix: Air								
Individual Can Certification		Analytical Method: TO-15						
Benzene	ND	ug/m3	0.32	1		08/03/18 13:02	71-43-2	
Ethylbenzene	ND	ug/m3	0.88	1		08/03/18 13:02	100-41-4	
Toluene	ND	ug/m3	0.77	1		08/03/18 13:02	108-88-3	
m&p-Xylene	ND	ug/m3	1.8	1		08/03/18 13:02	179601-23-1	
o-Xylene	ND	ug/m3	0.88	1		08/03/18 13:02	95-47-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70496
Pace Project No.: 10447527

QC Batch: 563805 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR
Associated Lab Samples: 10447527001, 10447527003

METHOD BLANK: 3059721 Matrix: Air
Associated Lab Samples: 10447527001, 10447527003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ppbv	ND	0.050	09/19/18 14:04	
Ethylbenzene	ppbv	ND	0.10	09/19/18 14:04	
m&p-Xylene	ppbv	ND	0.20	09/19/18 14:04	
o-Xylene	ppbv	ND	0.10	09/19/18 14:04	
THC as Gas	ppbv	ND	12.0	09/19/18 14:04	N2
Toluene	ppbv	ND	0.10	09/19/18 14:04	

LABORATORY CONTROL SAMPLE: 3059722

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ppbv	10	9.5	95	70-134	
Ethylbenzene	ppbv	10	9.5	95	70-133	
m&p-Xylene	ppbv	20	18.7	94	70-133	
o-Xylene	ppbv	10	9.3	93	70-132	
THC as Gas	ppbv	1120	1140	102	59-150	N2
Toluene	ppbv	10	9.5	95	70-130	

SAMPLE DUPLICATE: 3061160

Parameter	Units	10447527001 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ppbv	17000	16800	1	25	
Ethylbenzene	ppbv	5660	5450	4	25	
m&p-Xylene	ppbv	32500	30700	6	25	
o-Xylene	ppbv	12900	12400	4	25	
THC as Gas	ppbv	1880000	1830000	3	25	N2
Toluene	ppbv	20100	20300	1	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 70496
Pace Project No.: 10447527

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

N2 The lab does not hold NELAC/TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 70496
Pace Project No.: 10447527

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10447527001	A-091218-DT-INF	TO-15	563805		
10447527003	A-091218-DT-EFF	TO-15	563805		
10447527002	A-091218-DT-INF cert 1439	TO-15	563235		
10447527004	A-091218-DT-EFF cert 3811	TO-15	563235		

REPORT OF LABORATORY ANALYSIS

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Air Sample Condition Upon Receipt

Client Name: C2HD Project #: _____

WO# : 10447527
 PM: JMG Due Date: 09/21/18
 CLIENT: GHD_COP

Courier: Fed Ex UPS Speedee Client
 Commercial Pace Other: _____

Tracking Number: 4845 99054618

Custody Seal on Cooler/Box Present? Yes No Seals Intact? Yes No
 Optional: Proj. Due Date: Proj. Name:

Packing Material: Bubble Wrap Bubble Bags Foam None Tin Can Other: _____ Temp Blank rec: Yes No

Temp. (TO17 and TO13 samples only) (°C): _____ Corrected Temp (°C): _____ Thermom. Used: G87A9170600254
 G87A9165100842

Temp should be above freezing to 6°C Correction Factor: _____ Date & Initials of Person Examining Contents: ALG/19/18
 Type of ice Received Blue Wet None

			Comments:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		3.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		4.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		8.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		9.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		10.
Media: <u>Air Can</u> Airbag Filter TDT Passive			11. Individually Certified Can <u>Y</u> N (list which samples)
Is sufficient information available to reconcile samples to the COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		12.

Samples Received: <u>FFFT, 25 stand alone gauges</u>					Pressure Gauge # 10AIR26				
Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
<u>INF</u>	<u>1439</u>		<u>-6.5</u>	<u>+10</u>					
<u>EFF</u>	<u>3811</u>		<u>-5</u>	<u>"</u>					

CLIENT NOTIFICATION/RESOLUTION Field Data Required? Yes No
 Person Contacted: _____ Date/Time: _____
 Comments/Resolution: _____

Project Manager Review: JENNI GROSS Date: 09/14/18
 Note: Whenever there is a discrepancy affecting No. of samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect c.....)



ANALYTICAL RESULTS

Client: GHD_Phillips 66 Company
 Phone: 1(253)302-8281

Lab Project Number: 10447527
 Project Name: 70496

Lab Sample No: 10447527001 ProjSampleNum: 10447527001 Date Collected: 09/12/18 11:00
 Client Sample ID: A-091218-DT-INF Matrix: Air Date Received: 09/14/18 10:05

Parameters	Report Limit ppbv	Results ppbv	Report Limit ppmv	Results ppmv	DF	Analyzed	CAS No.
Air							
TO-15							
Benzene	275	17000	0.28	17	2752	09/20/18 2:35 MLS	71-43-2
Ethylbenzene	550	5660	0.55	5.7	2752	09/20/18 2:35 MLS	100-41-4
m&p-Xylene	1100	32500	1.1	32.5	2752	09/20/18 2:35 MLS	179601-23-1
o-Xylene	550	12900	0.55	12.9	2752	09/20/18 2:35 MLS	95-47-6
THC as Gas	65800	1880000	65.8	1880	2752	09/20/18 2:35 MLS	
Toluene	550	20100	0.55	20.1	2752	09/20/18 2:35 MLS	108-88-3

Lab Sample No: 10447527003 ProjSampleNum: 10447527003 Date Collected: 09/12/18 10:55
 Client Sample ID: A-091218-DT-EFF Matrix: Air Date Received: 09/14/18 10:05

Parameters	Report Limit ppbv	Results ppbv	Report Limit ppmv	Results ppmv	DF	Analyzed	CAS No.
Air							
TO-15							
Benzene	0.2	12.8	0.0002	0.013	2.02	09/20/18 3:47 MLS	71-43-2
Ethylbenzene	0.4	2.1	0.0004	0.0021	2.02	09/20/18 3:47 MLS	100-41-4
m&p-Xylene	0.81	10.7	0.00081	0.011	2.02	09/20/18 3:47 MLS	179601-23-1
o-Xylene	0.4	4.3	0.0004	0.0043	2.02	09/20/18 3:47 MLS	95-47-6
THC as Gas	48.3	1200	0.048	1.2	2.02	09/20/18 3:47 MLS	
Toluene	0.4	11.4	0.0004	0.011	2.02	09/20/18 3:47 MLS	108-88-3

SUPPLEMENTAL REPORT

Units Conversion Request



ANALYTICAL RESULTS

Client: GHD_Phillips 66 Company
 Phone: 1(253)302-8281

Lab Project Number: 10447527
 Project Name: 70496

Lab Sample No: 10447527002 ProjSampleNum: 10447527002 Date Collected: 09/12/18 11:00
 Client Sample ID: A-091218-DT-INF cert 1439 Matrix: Air Date Received: 09/14/18 10:05

Parameters	Report Limit ug/m3	Results ug/m3	Report Limit ppmv	Results ppmv	DF	Analyzed	CAS No.
Air							
TO-15							
Benzene	0.32	ND	0.000099	ND	1	07/26/18 10:32 MLS	71-43-2
Ethylbenzene	0.88	ND	0.0002	ND	1	07/26/18 10:32 MLS	100-41-4
m&p-Xylene	1.8	ND	0.00041	ND	1	07/26/18 10:32 MLS	179601-23-1
o-Xylene	0.88	ND	0.0002	ND	1	07/26/18 10:32 MLS	95-47-6
Toluene	0.77	ND	0.0002	ND	1	07/26/18 10:32 MLS	108-88-3

Lab Sample No: 10447527004 ProjSampleNum: 10447527004 Date Collected: 09/12/18 10:55
 Client Sample ID: A-091218-DT-EFF cert 3811 Matrix: Air Date Received: 09/14/18 10:05

Parameters	Report Limit ug/m3	Results ug/m3	Report Limit ppmv	Results ppmv	DF	Analyzed	CAS No.
Air							
TO-15							
Benzene	0.32	ND	0.000099	ND	1	08/03/18 13:02 MG2	71-43-2
Ethylbenzene	0.88	ND	0.0002	ND	1	08/03/18 13:02 MG2	100-41-4
m&p-Xylene	1.8	ND	0.00041	ND	1	08/03/18 13:02 MG2	179601-23-1
o-Xylene	0.88	ND	0.0002	ND	1	08/03/18 13:02 MG2	95-47-6
Toluene	0.77	ND	0.0002	ND	1	08/03/18 13:02 MG2	108-88-3

SUPPLEMENTAL REPORT

Units Conversion Request

September 26, 2018

Christina McClelland
GHD Services, Inc.
20818 44th Ave W
Suite 190
Lynnwood, WA 98036

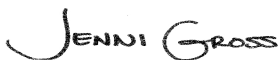
RE: Project: 70496.17
Pace Project No.: 10447403

Dear Christina McClelland:

Enclosed are the analytical results for sample(s) received by the laboratory on September 13, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jennifer Gross
jennifer.gross@pacelabs.com
(206)957-2426
Project Manager

Enclosures

cc: Thuan Bui, GHD
Eric Maise, GHD Services Inc.
Accounts Payable, GHD_Conoco Phillips



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 70496.17

Pace Project No.: 10447403

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485

A2LA Certification #: 2926.01

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

CNMI Saipan Certification #: MP0003

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8+Wyoming DW Certification #: via MN 027-053-137

Florida Certification #: E87605

Georgia Certification #: 959

Guam EPA Certification #: MN00064

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: 03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Massachusetts Certification #: M-MN064

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

Minnesota Dept of Ag Certification #: via MN 027-053-137

Minnesota Petrofund Certification #: 1240

Mississippi Certification #: MN00064

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081

New Jersey Certification #: MN002

New York Certification #: 11647

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon NwTPH Certification #: MN300001

Oregon Secondary Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification #: MN00064

South Carolina Certification #: 74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192

Utah Certification #: MN00064

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DW Certification #: 9952 C

West Virginia DEP Certification #: 382

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 70496.17

Pace Project No.: 10447403

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10447403001	GW-091218-DT-INF-1	Water	09/12/18 10:45	09/13/18 10:00
10447403002	GW-091218-DT-INF-2	Water	09/12/18 10:30	09/13/18 10:00
10447403003	GW-091218-DT-MID 1	Water	09/12/18 10:15	09/13/18 10:00
10447403004	GW-091218-DT-MID 2	Water	09/12/18 10:00	09/13/18 10:00
10447403005	GW-091218-DT-TOTAL EFF	Water	09/12/18 09:00	09/13/18 10:00
10447403006	GW-091218-DT-TOTAL EFF 1	Water	09/12/18 09:00	09/13/18 10:00
10447403007	GW-091218-DT-TOTAL EFF 2	Water	09/12/18 09:15	09/13/18 10:00
10447403008	GW-091218-DT-TOTAL EFF 3	Water	09/12/18 09:30	09/13/18 10:00
10447403009	GW-091218-DT-TOTAL EFF 4	Water	09/12/18 09:45	09/13/18 10:00
10447403010	GW-091218-DT-TOTAL EFF 1-4	Water	09/12/18 09:45	09/13/18 10:00
10447403011	GW-091218-DT-TOTAL EFF 5	Water	09/12/18 09:00	09/13/18 10:00
10447403012	GW-091218-DT-TOTAL EFF 6	Water	09/12/18 09:15	09/13/18 10:00
10447403013	GW-091218-DT-TOTAL EFF 7	Water	09/12/18 09:30	09/13/18 10:00
10447403014	GW-091218-DT-TOTAL EFF 5-7	Water	09/12/18 09:30	09/13/18 10:00
10447403015	Trip Blank	Water	09/12/18 00:00	09/13/18 10:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 70496.17
Pace Project No.: 10447403

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10447403001	GW-091218-DT-INF-1	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	GD1	7	PASI-M
10447403002	GW-091218-DT-INF-2	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	MJD	7	PASI-M
10447403003	GW-091218-DT-MID 1	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	MJD	7	PASI-M
10447403004	GW-091218-DT-MID 2	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	MJD	7	PASI-M
10447403005	GW-091218-DT-TOTAL EFF	NWTPH-Dx	EC2	4	PASI-M
10447403010	GW-091218-DT-TOTAL EFF 1-4	NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	MJD	7	PASI-M
10447403014	GW-091218-DT-TOTAL EFF 5-7	EPA 1664A OG	AR3	1	PASI-M
10447403015	Trip Blank	NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	MJD	7	PASI-M

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10447403

Sample: GW-091218-DT-INF-1	Lab ID: 10447403001	Collected: 09/12/18 10:45	Received: 09/13/18 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS Silica Gel LV		Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C						
Diesel Fuel Range SG	1.3	mg/L	0.38	1	09/17/18 17:43	09/18/18 13:39	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.38	1	09/17/18 17:43	09/18/18 13:39	64742-65-0	
Surrogates								
o-Terphenyl (S)	75	%	50-150	1	09/17/18 17:43	09/18/18 13:39	84-15-1	
n-Triacontane (S)	80	%	50-150	1	09/17/18 17:43	09/18/18 13:39	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	19000	ug/L	2000	20		09/22/18 03:27		
Surrogates								
a,a,a-Trifluorotoluene (S)	73	%	50-150	20		09/22/18 03:27	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	963	ug/L	20.0	20		09/19/18 05:03	71-43-2	
Ethylbenzene	111	ug/L	20.0	20		09/19/18 05:03	100-41-4	
Toluene	1150	ug/L	20.0	20		09/19/18 05:03	108-88-3	
Xylene (Total)	2060	ug/L	60.0	20		09/19/18 05:03	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	91	%	75-125	20		09/19/18 05:03	17060-07-0	
Toluene-d8 (S)	85	%	75-125	20		09/19/18 05:03	2037-26-5	
4-Bromofluorobenzene (S)	113	%	75-125	20		09/19/18 05:03	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10447403

Sample: GW-091218-DT-INF-2	Lab ID: 10447403002	Collected: 09/12/18 10:30	Received: 09/13/18 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS Silica Gel LV								
Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C								
Diesel Fuel Range SG	ND	mg/L	0.38	1	09/17/18 17:43	09/18/18 14:02	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.38	1	09/17/18 17:43	09/18/18 14:02	64742-65-0	
Surrogates								
o-Terphenyl (S)	72	%.	50-150	1	09/17/18 17:43	09/18/18 14:02	84-15-1	
n-Triacontane (S)	79	%.	50-150	1	09/17/18 17:43	09/18/18 14:02	638-68-6	
NWTPH-Gx GCV								
Analytical Method: NWTPH-Gx								
TPH as Gas	1680	ug/L	100	1		09/22/18 03:44		G+
Surrogates								
a,a,a-Trifluorotoluene (S)	71	%.	50-150	1		09/22/18 03:44	98-08-8	
8260B MSV UST								
Analytical Method: EPA 8260B								
Benzene	40.2	ug/L	1.0	1		09/15/18 12:26	71-43-2	
Ethylbenzene	3.6	ug/L	1.0	1		09/15/18 12:26	100-41-4	
Toluene	32.3	ug/L	1.0	1		09/15/18 12:26	108-88-3	
Xylene (Total)	211	ug/L	3.0	1		09/15/18 12:26	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	95	%.	75-125	1		09/15/18 12:26	17060-07-0	
Toluene-d8 (S)	92	%.	75-125	1		09/15/18 12:26	2037-26-5	
4-Bromofluorobenzene (S)	111	%.	75-125	1		09/15/18 12:26	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17
Pace Project No.: 10447403

Sample: GW-091218-DT-MID 1		Lab ID: 10447403003	Collected: 09/12/18 10:15	Received: 09/13/18 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS Silica Gel LV		Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C						
Diesel Fuel Range SG	1.0	mg/L	0.41	1	09/17/18 17:43	09/18/18 14:13	68334-30-5	
Motor Oil Range SG	0.44	mg/L	0.41	1	09/17/18 17:43	09/18/18 14:13	64742-65-0	
Surrogates								
o-Terphenyl (S)	74	%.	50-150	1	09/17/18 17:43	09/18/18 14:13	84-15-1	
n-Triacontane (S)	82	%.	50-150	1	09/17/18 17:43	09/18/18 14:13	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		09/25/18 14:19		
Surrogates								
a,a,a-Trifluorotoluene (S)	66	%.	50-150	1		09/25/18 14:19	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	14.9	ug/L	1.0	1		09/15/18 12:43	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		09/15/18 12:43	100-41-4	
Toluene	1.3	ug/L	1.0	1		09/15/18 12:43	108-88-3	
Xylene (Total)	4.5	ug/L	3.0	1		09/15/18 12:43	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	94	%.	75-125	1		09/15/18 12:43	17060-07-0	
Toluene-d8 (S)	92	%.	75-125	1		09/15/18 12:43	2037-26-5	
4-Bromofluorobenzene (S)	112	%.	75-125	1		09/15/18 12:43	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10447403

Sample: GW-091218-DT-MID 2	Lab ID: 10447403004	Collected: 09/12/18 10:00	Received: 09/13/18 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS Silica Gel LV	Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C							
Diesel Fuel Range SG	1.7	mg/L	0.40	1	09/17/18 17:43	09/18/18 14:25	68334-30-5	
Motor Oil Range SG	1.6	mg/L	0.40	1	09/17/18 17:43	09/18/18 14:25	64742-65-0	
Surrogates								
o-Terphenyl (S)	65	%.	50-150	1	09/17/18 17:43	09/18/18 14:25	84-15-1	
n-Triacontane (S)	73	%.	50-150	1	09/17/18 17:43	09/18/18 14:25	638-68-6	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx							
TPH as Gas	ND	ug/L	100	1		09/19/18 21:19		
Surrogates								
a,a,a-Trifluorotoluene (S)	105	%.	50-150	1		09/19/18 21:19	98-08-8	
8260B MSV UST	Analytical Method: EPA 8260B							
Benzene	1.2	ug/L	1.0	1		09/15/18 13:00	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		09/15/18 13:00	100-41-4	
Toluene	ND	ug/L	1.0	1		09/15/18 13:00	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		09/15/18 13:00	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%.	75-125	1		09/15/18 13:00	17060-07-0	
Toluene-d8 (S)	92	%.	75-125	1		09/15/18 13:00	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	75-125	1		09/15/18 13:00	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10447403

Sample: GW-091218-DT-TOTAL EFF		Lab ID: 10447403005	Collected: 09/12/18 09:00	Received: 09/13/18 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS Silica Gel LV		Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C						
Diesel Fuel Range SG	ND	mg/L	0.40	1	09/17/18 17:43	09/18/18 14:36	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.40	1	09/17/18 17:43	09/18/18 14:36	64742-65-0	
Surrogates								
o-Terphenyl (S)	76	%.	50-150	1	09/17/18 17:43	09/18/18 14:36	84-15-1	
n-Triacontane (S)	82	%.	50-150	1	09/17/18 17:43	09/18/18 14:36	638-68-6	

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10447403

Sample: GW-091218-DT-TOTAL EFF 1-4 **Lab ID:** 10447403010 Collected: 09/12/18 09:45 Received: 09/13/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		09/19/18 22:28		
Surrogates								
a,a,a-Trifluorotoluene (S)	108	%.	50-150	1		09/19/18 22:28	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		09/15/18 21:13	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		09/15/18 21:13	100-41-4	
Toluene	ND	ug/L	1.0	1		09/15/18 21:13	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		09/15/18 21:13	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%.	75-125	1		09/15/18 21:13	17060-07-0	
Toluene-d8 (S)	99	%.	75-125	1		09/15/18 21:13	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125	1		09/15/18 21:13	460-00-4	

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10447403

Sample: GW-091218-DT-TOTAL EFF 5-7 **Lab ID:** 10447403014 Collected: 09/12/18 09:30 Received: 09/13/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664 HEM, Oil and Grease								
Analytical Method: EPA 1664A OG								
Oil and Grease	ND	mg/L	6.9	1		09/19/18 11:52		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10447403

Sample: Trip Blank		Lab ID: 10447403015	Collected: 09/12/18 00:00	Received: 09/13/18 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		09/20/18 01:20		
Surrogates								
a,a,a-Trifluorotoluene (S)	103	%.	50-150	1		09/20/18 01:20	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		09/15/18 19:48	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		09/15/18 19:48	100-41-4	
Toluene	ND	ug/L	1.0	1		09/15/18 19:48	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		09/15/18 19:48	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%.	75-125	1		09/15/18 19:48	17060-07-0	HS
Toluene-d8 (S)	94	%.	75-125	1		09/15/18 19:48	2037-26-5	
4-Bromofluorobenzene (S)	106	%.	75-125	1		09/15/18 19:48	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10447403

QC Batch: 563891 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Water
Associated Lab Samples: 10447403004, 10447403010, 10447403015

METHOD BLANK: 3060173 Matrix: Water
Associated Lab Samples: 10447403004, 10447403010, 10447403015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	09/19/18 19:03	
a,a,a-Trifluorotoluene (S)	%.	98	50-150	09/19/18 19:03	

METHOD BLANK: 3060174 Matrix: Water
Associated Lab Samples: 10447403004, 10447403010, 10447403015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	09/19/18 19:20	
a,a,a-Trifluorotoluene (S)	%.	95	50-150	09/19/18 19:20	

LABORATORY CONTROL SAMPLE & LCSD: 3060175 3060176

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	1290	1260	129	126	41-137	2	20	CH
a,a,a-Trifluorotoluene (S)	%.				100	109	50-150			

SAMPLE DUPLICATE: 3060339

Parameter	Units	10447403004 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	ND	ND		30	
a,a,a-Trifluorotoluene (S)	%.	105	104	1		

SAMPLE DUPLICATE: 3060340

Parameter	Units	10447569001 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	ND	ND		30	
a,a,a-Trifluorotoluene (S)	%.	105	107	2		

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10447403

QC Batch: 564446 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Water
Associated Lab Samples: 10447403001, 10447403002

METHOD BLANK: 3063160 Matrix: Water
Associated Lab Samples: 10447403001, 10447403002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	09/21/18 23:44	
a,a,a-Trifluorotoluene (S)	%.	76	50-150	09/21/18 23:44	

METHOD BLANK: 3063161 Matrix: Water
Associated Lab Samples: 10447403001, 10447403002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	09/22/18 00:01	
a,a,a-Trifluorotoluene (S)	%.	68	50-150	09/22/18 00:01	

LABORATORY CONTROL SAMPLE & LCSD: 3063162 3063163

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	1050	1040	105	104	41-137	1	20	
a,a,a-Trifluorotoluene (S)	%.				80	72	50-150			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3063417 3063418

Parameter	Units	10447571001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH as Gas	ug/L	ND	1000	1000	1200	1150	120	115	30-145	4	30	
a,a,a-Trifluorotoluene (S)	%.						79	78	50-150			

SAMPLE DUPLICATE: 3063425

Parameter	Units	10447571002 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	ND	ND		30	
a,a,a-Trifluorotoluene (S)	%.	73	72	1		

SAMPLE DUPLICATE: 3063426

Parameter	Units	10447571003 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: 70496.17

Pace Project No.: 10447403

SAMPLE DUPLICATE: 3063426

Parameter	Units	10447571003 Result	Dup Result	RPD	Max RPD	Qualifiers
a,a,a-Trifluorotoluene (S)	%.	70	72	3		

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10447403

QC Batch: 562998 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV UST-WATER
Associated Lab Samples: 10447403002, 10447403003, 10447403004

METHOD BLANK: 3056059 Matrix: Water
Associated Lab Samples: 10447403002, 10447403003, 10447403004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	09/15/18 10:11	
Ethylbenzene	ug/L	ND	1.0	09/15/18 10:11	
Toluene	ug/L	ND	1.0	09/15/18 10:11	
Xylene (Total)	ug/L	ND	3.0	09/15/18 10:11	
1,2-Dichloroethane-d4 (S)	%	99	75-125	09/15/18 10:11	
4-Bromofluorobenzene (S)	%	100	75-125	09/15/18 10:11	
Toluene-d8 (S)	%	96	75-125	09/15/18 10:11	

LABORATORY CONTROL SAMPLE: 3056060

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	22.2	111	75-126	
Ethylbenzene	ug/L	20	23.5	117	75-125	
Toluene	ug/L	20	20.4	102	74-125	
Xylene (Total)	ug/L	60	64.7	108	75-125	
1,2-Dichloroethane-d4 (S)	%			96	75-125	
4-Bromofluorobenzene (S)	%			101	75-125	
Toluene-d8 (S)	%			92	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3056061 3056062

Parameter	Units	10447831001		3056062		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Benzene	ug/L	1570	200	1830	200	127	96	62-140	3	30	
Ethylbenzene	ug/L	352	200	596	200	122	105	75-131	6	30	
Toluene	ug/L	64.0	200	365	200	150	98	68-132	34	30	M1,R1
Xylene (Total)	ug/L	385	600	985	600	100	93	69-135	4	30	
1,2-Dichloroethane-d4 (S)	%					95	92	75-125			
4-Bromofluorobenzene (S)	%					95	125	75-125			
Toluene-d8 (S)	%					127	93	75-125			ST

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QUALITY CONTROL DATA

Project: 70496.17

Pace Project No.: 10447403

QC Batch: 562999

Analysis Method: EPA 8260B

QC Batch Method: EPA 8260B

Analysis Description: 8260B MSV UST-WATER

Associated Lab Samples: 10447403010, 10447403015

METHOD BLANK: 3056065

Matrix: Water

Associated Lab Samples: 10447403010, 10447403015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	09/15/18 19:14	
Ethylbenzene	ug/L	ND	1.0	09/15/18 19:14	
Toluene	ug/L	ND	1.0	09/15/18 19:14	
Xylene (Total)	ug/L	ND	3.0	09/15/18 19:14	
1,2-Dichloroethane-d4 (S)	%	97	75-125	09/15/18 19:14	
4-Bromofluorobenzene (S)	%	111	75-125	09/15/18 19:14	
Toluene-d8 (S)	%	96	75-125	09/15/18 19:14	

LABORATORY CONTROL SAMPLE: 3056066

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	23.8	119	75-126	
Ethylbenzene	ug/L	20	22.3	112	75-125	
Toluene	ug/L	20	22.6	113	74-125	
Xylene (Total)	ug/L	60	57.2	95	75-125	
1,2-Dichloroethane-d4 (S)	%			93	75-125	
4-Bromofluorobenzene (S)	%			95	75-125	
Toluene-d8 (S)	%			100	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3056067 3056068

Parameter	Units	10446642003		3056068		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Benzene	ug/L	ND	20	20	24.8	28.3	124	141	62-140	13	30 M1
Ethylbenzene	ug/L	ND	20	20	20.8	19.7	104	99	75-131	6	30
Toluene	ug/L	ND	20	20	21.0	26.4	105	132	68-132	23	30
Xylene (Total)	ug/L	ND	60	60	54.9	56.5	91	94	69-135	3	30
1,2-Dichloroethane-d4 (S)	%						92	94	75-125		
4-Bromofluorobenzene (S)	%						102	84	75-125		
Toluene-d8 (S)	%						95	104	75-125		

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QUALITY CONTROL DATA

Project: 70496.17

Pace Project No.: 10447403

QC Batch: 563518

Analysis Method: EPA 8260B

QC Batch Method: EPA 8260B

Analysis Description: 8260B MSV UST-WATER

Associated Lab Samples: 10447403001

METHOD BLANK: 3058164

Matrix: Water

Associated Lab Samples: 10447403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	09/18/18 22:32	
Ethylbenzene	ug/L	ND	1.0	09/18/18 22:32	
Toluene	ug/L	ND	1.0	09/18/18 22:32	
Xylene (Total)	ug/L	ND	3.0	09/18/18 22:32	
1,2-Dichloroethane-d4 (S)	%	95	75-125	09/18/18 22:32	
4-Bromofluorobenzene (S)	%	97	75-125	09/18/18 22:32	
Toluene-d8 (S)	%	87	75-125	09/18/18 22:32	

LABORATORY CONTROL SAMPLE: 3058165

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	20.6	103	75-126	
Ethylbenzene	ug/L	20	20.8	104	75-125	
Toluene	ug/L	20	18.9	95	74-125	
Xylene (Total)	ug/L	60	53.8	90	75-125	
1,2-Dichloroethane-d4 (S)	%			91	75-125	
4-Bromofluorobenzene (S)	%			102	75-125	
Toluene-d8 (S)	%			89	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3058166 3058167

Parameter	Units	10447679001		3058167		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.							
Benzene	ug/L	19.8	20	20	42.2	42.9	112	116	62-140	2	30	
Ethylbenzene	ug/L	53.1	20	20	73.0	76.6	100	118	75-131	5	30	
Toluene	ug/L	27.6	20	20	46.3	48.9	94	107	68-132	5	30	
Xylene (Total)	ug/L	99.7	60	60	151	153	85	89	69-135	1	30	
1,2-Dichloroethane-d4 (S)	%						91	90	75-125			
4-Bromofluorobenzene (S)	%						101	99	75-125			
Toluene-d8 (S)	%						86	91	75-125			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3058247 3058248

Parameter	Units	10447399001		3058248		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Benzene	ug/L	1340	200	200	1560	1460	111	60	62-140	7	30 M1
Ethylbenzene	ug/L	248	200	200	423	409	88	80	75-131	3	30

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QUALITY CONTROL DATA

Project: 70496.17

Pace Project No.: 10447403

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3058247		3058248		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		10447399001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Toluene	ug/L	43.8	200	200	204	203	80	80	68-132	1	30		
Xylene (Total)	ug/L	268	600	600	730	700	77	72	69-135	4	30		
1,2-Dichloroethane-d4 (S)	%.						96	94	75-125				C0
4-Bromofluorobenzene (S)	%.						102	108	75-125				
Toluene-d8 (S)	%.						86	89	75-125				

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10447403

QC Batch: 563244 Analysis Method: NWTPH-Dx
QC Batch Method: EPA Mod. 3510C Analysis Description: NWTPH-Dx GCS LV SG
Associated Lab Samples: 10447403001, 10447403002, 10447403003, 10447403004, 10447403005

METHOD BLANK: 3057180 Matrix: Water
Associated Lab Samples: 10447403001, 10447403002, 10447403003, 10447403004, 10447403005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Fuel Range SG	mg/L	ND	0.40	09/18/18 13:16	
Motor Oil Range SG	mg/L	ND	0.40	09/18/18 13:16	
n-Triacontane (S)	%.	84	50-150	09/18/18 13:16	
o-Terphenyl (S)	%.	86	50-150	09/18/18 13:16	

LABORATORY CONTROL SAMPLE: 3057181

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Fuel Range SG	mg/L	2	1.6	79	50-150	
Motor Oil Range SG	mg/L	2	1.6	82	50-150	
n-Triacontane (S)	%.			83	50-150	
o-Terphenyl (S)	%.			82	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3057362 3057363

Parameter	Units	10447755001 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.	Result	Result						
Diesel Fuel Range SG	mg/L	ND	2.1	2.1	1.6	1.7	69	70	50-150	2	30	
Motor Oil Range SG	mg/L	ND	2.1	2.1	1.8	1.9	81	83	50-150	3	30	
n-Triacontane (S)	%.						82	83	50-150			
o-Terphenyl (S)	%.						74	76	50-150			

SAMPLE DUPLICATE: 3057183

Parameter	Units	10447403001 Result	Dup Result	RPD	Max RPD	Qualifiers
Diesel Fuel Range SG	mg/L	1.3	1.1	12	30	
Motor Oil Range SG	mg/L	ND	ND		30	
n-Triacontane (S)	%.	80	75	6		
o-Terphenyl (S)	%.	75	72	4		

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QUALITY CONTROL DATA

Project: 70496.17

Pace Project No.: 10447403

QC Batch: 563763	Analysis Method: EPA 1664A OG
QC Batch Method: EPA 1664A OG	Analysis Description: 1664 HEM, Oil and Grease
Associated Lab Samples: 10447403014	

METHOD BLANK: 3059505 Matrix: Water

Associated Lab Samples: 10447403014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	09/19/18 10:52	

LABORATORY CONTROL SAMPLE: 3059506

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	37.7	94	78-114	

MATRIX SPIKE SAMPLE: 3059507

Parameter	Units	10442496004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	39.2	36.7	91	78-114	

SAMPLE DUPLICATE: 3059508

Parameter	Units	10447143001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	ND	ND		18	

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QUALIFIERS

Project: 70496.17
Pace Project No.: 10447403

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

BATCH QUALIFIERS

Batch: 563763

[BE] Batch extracted by solid phase extraction (SPE).

ANALYTE QUALIFIERS

C0 Result confirmed by second analysis.

CH The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

G+ Late peaks present outside the GRO window.

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

R1 RPD value was outside control limits.

ST Surrogate recovery was above laboratory control limits. Results may be biased high.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

METHOD CROSS REFERENCE TABLE

Project: 70496.17
Pace Project No.: 10447403

Parameter	Matrix	Analytical Method	Preparation Method
8260B MSV UST	Water	SW-846 8260B/5030B	N/A

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 70496.17

Pace Project No.: 10447403

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10447403001	GW-091218-DT-INF-1	EPA Mod. 3510C	563244	NWTPH-Dx	563543
10447403002	GW-091218-DT-INF-2	EPA Mod. 3510C	563244	NWTPH-Dx	563543
10447403003	GW-091218-DT-MID 1	EPA Mod. 3510C	563244	NWTPH-Dx	563543
10447403004	GW-091218-DT-MID 2	EPA Mod. 3510C	563244	NWTPH-Dx	563543
10447403005	GW-091218-DT-TOTAL EFF	EPA Mod. 3510C	563244	NWTPH-Dx	563543
10447403001	GW-091218-DT-INF-1	NWTPH-Gx	564446		
10447403002	GW-091218-DT-INF-2	NWTPH-Gx	564446		
10447403003	GW-091218-DT-MID 1	NWTPH-Gx	564984		
10447403004	GW-091218-DT-MID 2	NWTPH-Gx	563891		
10447403010	GW-091218-DT-TOTAL EFF 1-4	NWTPH-Gx	563891		
10447403015	Trip Blank	NWTPH-Gx	563891		
10447403001	GW-091218-DT-INF-1	EPA 8260B	563518		
10447403002	GW-091218-DT-INF-2	EPA 8260B	562998		
10447403003	GW-091218-DT-MID 1	EPA 8260B	562998		
10447403004	GW-091218-DT-MID 2	EPA 8260B	562998		
10447403010	GW-091218-DT-TOTAL EFF 1-4	EPA 8260B	562999		
10447403015	Trip Blank	EPA 8260B	562999		
10447403014	GW-091218-DT-TOTAL EFF 5-7	EPA 1664A OG	563763		

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.

Sample Condition Upon Receipt

Client Name: GHD Services Project #: WO#: 10447403

WO#: 10447403
 PM: JMG Due Date: 09/20/18
 CLIENT: GHD_COP

Courier: Fed Ex UPS USPS Client
 Commercial Pace SpeedDee Other: _____
 Tracking Number: 7475 9394 9997

Custody Seal on Cooler/Box Present? Yes No Seals Intact? Yes No
 Optional: Proj. Due Date: _____ Proj. Name: _____

Packing Material: Bubble Wrap Bubble Bags None Other: _____ Temp Blank? Yes No

Thermometer Used: G87A9170600254 G87A9155100842
 Type of Ice: Wet Blue None Dry Melted

Cooler Temp Read (°C): 1.9 Cooler Temp Corrected (°C): 1.9 Biological Tissue Frozen? Yes No N/A
 Temp should be above freezing to 6°C Correction Factor: True Date and Initials of Person Examining Contents: JJ 9/13/18

USDA Regulated Soil (N/A, water sample)
 Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? Yes No
 Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

		COMMENTS:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered Volume Received for Dissolved Tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container
Is sufficient information available to reconcile the samples to the COC? Matrix: <u>WT</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
All containers needing acid/base preservation have been checked?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH Positive for Res. Chlorine? Y N
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ <2pH, NaOH >9 Sulfide, NaOH >12 Cyanide) Exceptions: <u>VOA</u> , Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Sample # Initial when completed: _____ Lot # of added preservative: _____
Headspace in VOA Vials (>6mm)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14. <u>see exception sheet</u>
Trip Blank Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>174883</u>		

CLIENT NOTIFICATION/RESOLUTION

Person Contacted: Jeff Cloud Date/Time: 09/14/18
 Comments/Resolution: Silica gel is required on NWTPH-Dx.

Field Data Required? Yes No

Project Manager Review:

JENNI GROSS

Date: 09/14/18

Note: Whenever there is a discrepancy affecting North Carolina samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers).



Document Name:
Headspace Exception

Document Revised: 06Nov2017
Page 1 of 1

Document No.:
F-MN-C-276-Rev.00

Issuing Authority:
Pace Minnesota Quality Office

Sample ID	Headspace > 6mm	Headspace < 6mm	No Headspace	Total Vials
GW-091218-DT-INF1	0	2	4	6
GW-091218-DT-INF2	0	3	3	6
GW-091218-DT-MID1	0	3	3	6
GW-091218-DT-MID2	0	1	5	6
GW-091218-DT-Total EFF1	0	1	1	2
GW-091218-DT-Total EFF2	0	1	1	2
GW-091218-DT-Total EFF4	0	1	1	2
Trip Blank	0	6	0	6

Appendix B

King County Self-Monitoring Reports (SMR)



King County

Industrial Waste Quarterly Self-Monitoring Report

Send to: King County Industrial Waste
201 S. Jackson St., Suite 513
Seattle, WA 98104-3855
Phone 206-477-5300
Email: info.KCIW@kingcounty.gov

Company Name: Phillips 66 Company

This form is available at www.kingcounty.gov/industrialwaste.

Please specify year: 2018 **QUARTER 3** Sample Site No.: A81491 Permit/DA No.: 7910-01

All units are mg/l unless otherwise noted. Note: Write in self-monitoring parameters, if not provided, e.g. Silver (Ag); delete or ignore FOG or SS, if not required.

Month	Sample Date	Sample Type C (Composite) G (Grab) BC (Batch)	benzene	ethylbenzene	toluene	xylenes	Nonpolar fats, oils & grease (FOG) (Record average only)	pH	Total Monthly Flow (gallons)
July	7/17/18	G	<0.001	<0.001	<0.001	<0.003	<6.3	6.5	
	Total volume discharged for July								
August	8/13/18	G	<0.001	<0.001	<0.001	<0.003	<6.2	7.7	
	Total volume discharged for August								
September	9/12/18	G	<0.001	<0.001	<0.001	<0.003	<6.9	6.8	
	Total volume discharged for September								

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

Richard Selman
10/12/2018

Signature of Principal Executive or Authorized Agent Date

Maximum daily flow from this quarter: **14,832** gallons. Date on which maximum daily flow occurred: **7/03/18**

Due Date: Third Quarter Report is due by October 15 of each year.

Appendix C

Groundwater Monitoring Field Data Sheets



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: **2** of **3**

2299738

Section A

Required Client Information:

Company: **GHD SERVICES INC**
 Address: **20818 44TH AVE W. LYNNWOOD, WA 98036**
 Email To: **CHRISTINA MCCLELLAND**
 Phone: **425-563-6514**
 Requested Due Date/TAT: **10 DAY STD**

Section B

Required Project Information:

Report To: **CHRISTINA.MCCLELLAND@GHD.COM**
 Copy To: **THUAN.BUI@GHD.COM**
 Purchase Order No.:
 Project Name: **RENTON TERMINAL**
 Project Number:

Section C

Invoice Information:

Attention: **ACCOUNTS PAYABLE**
 Company Name: **GHD SERVICES**
 Address: **20818 44TH AVE W. LYNNWOOD, WA 98036**
 Pace Quote Reference: **98036**
 Pace Project Manager: **JENNIFER.GROSS@PACELABS**
 Pace Profile #: **37428/1**

REGULATORY AGENCY
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER _____
 Site Location: **WA**
 STATE: **WA**

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMIP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓	Requested Analysis Filtered (Y/N)				Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.	
					COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	↓	↓	↓			↓
					DATE	TIME	DATE	TIME																	
1	GW-082818-DT-MW11		WT	G	8/28/18	1325			8			X					X	X	X						
2	GW-082818-DT-MW17		WT	G	8/28/18	1420			8			X					X	X	X						
3	GW-082918-JEL-MW7		WT	G	8/29/18	0825			24			X					X	X	X	X					
4	GW-082918-JEL-D4R		WT	G	8/29/18	0930			8			X					X	X	X						
5	GW-082918-JEL-D5R		WT	G	8/29/18	1015			8			X					X	X	X						
6	GW-082918-JEL-MW8		WT	G	8/29/18	1105			8			X					X	X	X						
7	GW-082918-JEL-MW9		WT	G	8/29/18	1250			8			X					X	X	X						
8	GW-082918-DT-B4		WT	G	8/29/18	0815			8			X					X	X	X						
9	GW-082918-DT-B6		WT	G	8/29/18	1000			8			X					X	X	X						
10	GW-082918-DT-MW15		WT	G	8/29/18	1105			8			X					X	X	X						
11	GW-082918-DT-RWX2		WT	G	8/29/18	1245			8			X					X	X	X						
12	GW-082918-DT-RWX7		WT	G	8/29/18	1350			8			X					X	X	X						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS						
	<i>[Signature]</i>	8/29/18	1415	<i>[Signature]</i>	8/29/18	1415	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)			

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: **CHRISTINA MCCLELLAND**

SIGNATURE of SAMPLER: *[Signature]*

DATE Signed (MM/DD/YY): **08/29/18**

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: GHD SERVICES INC		Report To: CHRISTINA.McCLELLAND@GHD.COM		Attention: ACCOUNTS PAYABLE	
Address: 20818 44TH AVE W.		Copy To: THUAN.BUI@GHD.COM		Company Name: GHD SERVICES	
LYNNWOOD, WA 98036		Purchase Order No.:		Address: 20818 44TH AVE W, LYNNWOOD, WA 98036	
Email To: CHRISTINA.McCLELLAND		Project Name: RENTON TERMINAL		Pace Quote Reference: 98036	
Phone: 425-563-6514 Fax:		Project Number:		Site Location: WA	
Requested Due Date/TAT: 10 DAY STD				STATE: WA	
REGULATORY AGENCY					
<input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER _____					

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test ↓ Analysis Test ↓ Y/N	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.			
					COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other								
					DATE	TIME	DATE	TIME																		
1	GN-082918		WT	G					0																	
2	DUP-1		WT	G					0																	
3	DUP-2		WT	G					0																	
4	TRIP BLANK																									
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	<i>[Signature]</i>	8/29/18	1415	<i>[Signature]</i>	8/29/18	1415	

3

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: JOE LEWANDOWSKI					
SIGNATURE of SAMPLER: <i>[Signature]</i>	DATE Signed (MM/DD/YY): 08/29/18				

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.



DAILY FIELD REPORT

Project Number: 070496.17	Date: <u>3.27.18</u>	Site Address: 2423 Lind Ave Renton WA
Project Name: P66 Renton	Field Technician: <u>D. Trulea</u>	GHD PM: Christina McClelland
Weather: <u>Cloudy</u>	HSE Meeting Conducted: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Equipment ID (GHD or rented): #	Calibrated Completed: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
	Documented below or "D" form attached: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
	Calibration certificate for rental attached: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	

Time	Activity/Comments
0630	GHD onsite → H+S + P66 safety. → Prep for Gw Sampling
0745	START GAUGING WELLS OFF SITE FIRST REMOVE WATER FROM VAULTS CHECK-IN NEXT DOOR AND GAUGER WELLS. NOTIFIED THEM WE WOULD BE BACK TOMORROW 8/28 TO SAMPLE WELLS → CONTINUE TO GAUGER WELLS ON THE TERMINAL PROPERTY.
1245	GO THROUGH SAMPLER KITS, PREP LOW FLOW LOGS AND MAKE SURE EQUIPMENT IS ON THEIR CHARGES OVER NIGHT
1230	OFF SITE. START SAMPLING IN THE AM.

**Water Level Record
(Form SP-11)**

Project Name: P66 Renton Terminal
 Job No.: 070496.17-5MN00
 Client: Phillips 66/BP

Location: 2423 Lind Ave SW,
Renton, WA
 Date: 08-27-18
 Engineer/Geologist: JLL / DI

Observation Well	Depth to SPH	Depth to Groundwater	Depth to Well Bottom
	feet	feet	feet
MW-1	—	10.55	—
MW-2	—	10.08	—
MW-3	—	10.81	—
MW-4	—	10.02	—
MW-5	—	10.83	—
MW-6	—	11.82	—
MW-7	—	11.80	—
MW-8	—	11.20	—
MW-9	—	8.81	—
MW-10	—	11.00 8	—
MW-11	—	6.66	—
MW-12	—	9.30	—
MW-13	—	10.88	—
MW-14	—	11.54	—
MW-15	—	9.91	—
MW-16	—	10.67	—
MW-17	—	3.31	—
D-1R	—	10.02	—
D-4R	—	10.84	—
D-5R	—	10.98	—
P-1	— SHEEN	11.09	—
* P-2	10.61	12.37	—
B-3A	—	8.58	—
B-4	— SHEEN	8.27	—
B-6	—	7.99	—
RWX-2	—	14.19	—
RWX-7	—	12.19	—

Water Level Record

(Form SP-11)

LAIX-5	—	11.78	—
LAIX-6	—	11.39	—
LAIX-9	—	13.03	—
DPE-1			
DPE-2			
DPE-3			
DPE-4			
DPE-5			
DPE-6			
DPE-7			
DPE-8			
DPE-9			
DPE-10			
DPE-11			
DPE-12			
DPE-13			
DPE-14			
DPE-15			
DPE-16			
DPE-17			
DPE-18			
DPE-19			
DPE-20			
DPE-21			
DPE-22			
DPE-23			
DPE-24			
DPE-25			
DPE-26			
DPE-27			
DPE-28			
DPE-29			
DPE-30			

PRE-TASK RISK ASSESSMENT

070496.17. 8/27/18

This chart is guidance to assist workers when to perform JSA's, risk review meetings, or when management approval may be required. Workers always have the authority and responsibility to shut-down or not perform work that is not safe.

Description of Task: <i>Dim</i>	Project/Site Number:	Points
WORKERS		
<input checked="" type="checkbox"/> Normal, no fatigue, good supervision, no concerns		0
<input type="checkbox"/> Adequate supervision is not in place to monitor workers		40
<input type="checkbox"/> Worker's physical limitations for this task is a concern		40
<input type="checkbox"/> Workers are working under a fatigue exception		30
<input type="checkbox"/> Workers are short service employees, or not familiar with site		25
<input type="checkbox"/> Lone Worker		20
<input type="checkbox"/> Work is being performed near the end of shift, or during an extended shift.		20
<input type="checkbox"/> Workers have not performed this type of work previously		20

ENVIRONMENT		Points
<input type="checkbox"/> Daylight activity, good weather, good supervision		0
<input type="checkbox"/> Work is in elevated areas and/or involves significant climbing and wearing personal fall arrest equipment		20
<input type="checkbox"/> Weather is poor (rain, winds above 25mph)		20
<input type="checkbox"/> Weather is extreme (below freezing, lightning advisory)		20
<input type="checkbox"/> Work is inside a confined space, excavation, cramped quarters or similar location		20
<input type="checkbox"/> There is potential for heat stress		20
<input checked="" type="checkbox"/> Lighting is poor		20
<input type="checkbox"/> Work is in close proximity to hot surfaces		20
<input type="checkbox"/> Task performed after-hours (night shift) or is a security risk		20

TASK		Points
<input type="checkbox"/> Simple task with no potential exposure to process hazards or hazardous materials		0
<input type="checkbox"/> Task involves opening process equipment without knowing internal conditions (example no bleeder to test).		80
<input type="checkbox"/> Entry into inerted confined space		80
<input type="checkbox"/> Task requires a deviation from safety procedures		80
<input type="checkbox"/> Task involves lifting equipment with crane		60
<input type="checkbox"/> Task involves initial entry (first break) into process equipment		40
<input type="checkbox"/> Task requires erection, modification, or demolition of a hanging, non-routine, or engineered scaffold.		40
<input type="checkbox"/> Taking samples with potential exposure to hazardous materials		40
<input type="checkbox"/> Task involves potential exposure to H2S above 100 ppm		40
<input type="checkbox"/> Task involves working with live electrical equipment, or potential for arc flash		40
<input type="checkbox"/> Task has never been done before, there are no specific procedures for completion		40
<input type="checkbox"/> Previous significant incidents or injuries have occurred performing this task		40
<input type="checkbox"/> This is a critical task, there is "pressure" to complete this job timely		40
<input type="checkbox"/> Hot Work, Welding, Grinding		20
<input type="checkbox"/> Greater than 4 foot deep excavation to be entered by worker		25
<input type="checkbox"/> Task involves potential exposure to H2S above 10 ppm		20
<input type="checkbox"/> Task requires use of supplied air respiratory protection		15
<input type="checkbox"/> Task requires significant lifting, bending, man-handling equipment		15
<input type="checkbox"/> Task requires underwater activities		15
<input type="checkbox"/> Task involves Lock, Tag, Try (LOTO)		10
<input checked="" type="checkbox"/> Task is expected to take multiple hours to perform		5

ADD POINTS: WORKERS + ENVIRONMENT+ TASK TOTAL= 25

Required Action	Risk
Every worker is required to personally answer 3 questions for every job, every task, every day: 1. What am I about to do? 2. What can go wrong/how can someone get hurt? 3. How will I ensure no-one gets hurt?	0-39 low-moderate risk
And, a proper quality JSA must be completed, signed by all workers and supervisor	
A JSA plus a specific safety plan addressing every applicable item above with points, signed by all workers and supervisor. This is reviewed by all workers in a risk review meeting.	40-59 medium risk
All the above plus approval by Consultant Project Manager & HSE	60-79 potential significant risk
All the above plus approval by RIM Program Manager & HSE	80+ points potential high risk



P66 Job Hazard Analysis (JHA) Review Documentation Form

Date: 8.27.18 Time: 0700 Presenter: D. Trudew

Directions: JHAs are to be reviewed immediately before conducting the task(s). This form MUST be completed EACH time the task(s) is being completed by the work group. This form serves two purposes: first, to document any additional hazards that have been identified for that day and the mitigation to be used; and second, to confirm who has participated in the review of the JHA. This form shall be kept with the original JHA in the HASP.

For each JHA, document any additional specific hazards that were reviewed for the daily task, working conditions, and environment.

JHA Name:	<u>03M / GWS Sampling</u>
Additional Specific Hazards and Hazard Mitigation	
<u>—</u>	
JHA Name:	
Additional Specific Hazards and Hazard Mitigation:	

Site Personnel Participating:

I have participated in the review and discussion of the Job Hazard Analysis (JHA) listed on this document. As part of my work, I know I have the responsibility to STOP work with a Stop Work Authority (SWA) if conditions change and/or potential hazards have been identified.

Print Name	Signature	Company
<u>D. Trudew</u>	<u>[Signature]</u>	<u>GHD</u>
<u>Chris Lewandowski</u>	<u>[Signature]</u>	<u>GHD</u>

PRE-TASK RISK ASSESSMENT

08-20-18

This chart is guidance to assist workers when to perform JSA's, risk review meetings, or when management approval may be required. Workers always have the authority and responsibility to shut-down or not perform work that is not safe.

Description of Task: GWV	Project/Site Number: 070496-17
WORKERS	
<input checked="" type="checkbox"/> Normal, no fatigue, good supervision, no concerns	0
<input type="checkbox"/> Adequate supervision is not in place to monitor workers	40
<input type="checkbox"/> Worker's physical limitations for this task is a concern	40
<input type="checkbox"/> Workers are working under a fatigue exception	30
<input type="checkbox"/> Workers are short service, employees, or not familiar with site	25
<input type="checkbox"/> Lone Worker	20
<input type="checkbox"/> Work is being performed near the end of shift, or during an extended shift.	20
<input type="checkbox"/> Workers have not performed this type of work previously	20

ENVIRONMENT	
<input checked="" type="checkbox"/> Daylight activity, good weather, good supervision	0
<input type="checkbox"/> Work is in elevated areas and/or involves significant climbing and wearing personal fall arrest equipment	20
<input type="checkbox"/> Weather is poor (rain, winds above 25mph)	20
<input type="checkbox"/> Weather is extreme (below freezing, lightning advisory)	20
<input type="checkbox"/> Work is inside a confined space, excavation, cramped quarters or similar location	20
<input type="checkbox"/> There is potential for heat stress	20
<input type="checkbox"/> Lighting is poor	20
<input type="checkbox"/> Work is in close proximity to hot surfaces	20
<input type="checkbox"/> Task performed after-hours (night shift) or is a security risk	20

TASK	
<input type="checkbox"/> Simple task with no potential exposure to process hazards or hazardous materials	0
<input type="checkbox"/> Task involves opening process equipment without knowing internal conditions (example no bleeder to test).	80
<input type="checkbox"/> Entry into inerted confined space	80
<input type="checkbox"/> Task requires a deviation from safety procedures	80
<input type="checkbox"/> Task involves lifting equipment with crane	60
<input type="checkbox"/> Task involves initial entry (first break) into process equipment	40
<input type="checkbox"/> Task requires erection, modification, or demolition of a hanging, non-routine, or engineered scaffold.	40
<input type="checkbox"/> Taking samples with potential exposure to hazardous materials	40
<input type="checkbox"/> Task involves potential exposure to H2S above 100 ppm	40
<input type="checkbox"/> Task involves working with live electrical equipment, or potential for arc flash	40
<input type="checkbox"/> Task has never been done before, there are no specific procedures for completion	40
<input type="checkbox"/> Previous significant incidents or injuries have occurred performing this task	40
<input type="checkbox"/> This is a critical task, there is "pressure" to complete this job timely	40
<input type="checkbox"/> Hot Work, Welding, Grinding	20
<input type="checkbox"/> Greater than 4 foot deep excavation to be entered by worker	25
<input type="checkbox"/> Task involves potential exposure to H2S above 10 ppm	20
<input type="checkbox"/> Task requires use of supplied air respiratory protection	15
<input checked="" type="checkbox"/> Task requires significant lifting, bending, man-handling equipment	15
<input type="checkbox"/> Task requires underwater activities	15
<input type="checkbox"/> Task involves Lock, Tag, Try (LOTO)	10
<input checked="" type="checkbox"/> Task is expected to take multiple hours to perform	5

ADD POINTS: WORKERS + ENVIRONMENT+ TASK TOTAL= **20**

Required Action	Risk
Every worker is required to personally answer 3 questions for every job, every task, every day: 1. What am I about to do? 2. What can go wrong/how can someone get hurt? 3. How will I ensure no-one gets hurt? And, a proper quality JSA must be completed, signed by all workers and supervisor	0-39 low-moderate risk
A JSA plus a specific safety plan addressing every applicable item above with points, signed by all workers and supervisor. This is reviewed by all workers in a risk review meeting.	40-59 medium risk
All the above plus approval by Consultant Project Manager & HSE	60-79 potential significant risk
All the above plus approval by RM Program Manager & HSE	80+ points potential high risk



P66 Job Hazard Analysis (JHA) Review Documentation Form

Date: 08-28-18 Time: 0700 Presenter: Jm


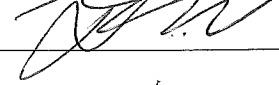
Directions: JHAs are to be reviewed immediately before conducting the task(s). This form MUST be completed EACH time the task(s) is being completed by the work group. This form serves two purposes: first, to document any additional hazards that have been identified for that day and the mitigation to be used; and second, to confirm who has participated in the review of the JHA. This form shall be kept with the original JHA in the HASP.

For each JHA, document any additional specific hazards that were reviewed for the daily task, working conditions, and environment.

JHA Name:	<u>GWM</u>
Additional Specific Hazards and Hazard Mitigation	
<u>CROSS CONTAMINATION</u>	
JHA Name:	
Additional Specific Hazards and Hazard Mitigation:	

Site Personnel Participating:

I have participated in the review and discussion of the Job Hazard Analysis (JHA) listed on this document. As part of my work, I know I have the responsibility to STOP work with a Stop Work Authority (SWA) if conditions change and/or potential hazards have been identified.

Print Name	Signature	Company
<u>JOE LEWANDOWSKI</u>		<u>GHD</u>
<u>D. Jones</u>		<u>GHD</u>

Monitoring Well Record for Low-Flow Purging
(Form SP-09)

Project Data:

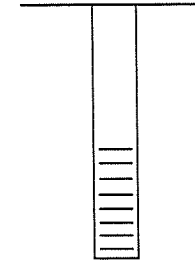
Project Name: RENTON TERMINAL
Ref. No.: 070496-017

Date: 08-28-18
Personnel: DT / JRL

Monitoring Well Data:

Well No.: MW-1
Vapour PID (ppm): _____
Measurement Point: TOC
Constructed Well Depth (m/ft): _____
Measured Well Depth (m/ft): 20.30
Depth of Sediment (m/ft): N/A

Saturated Screen Length (m/ft): _____
Depth to Pump Intake (m/ft)⁽¹⁾: 15
Well Diameter, D (cm/in): 2"
Well Screen Volume, V_s (L)⁽⁴⁾: _____
Initial Depth to Water (m/ft): 10.55



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
Precision Required ⁽⁵⁾ :				±3 %	±0.005 or 0.01 ⁽⁶⁾	±10 %	±10 %	±0.1 Units	±10 mV		
0800		START	PUMPING								
0805	100 mL	10.73		15.8	0.72	4.57	0.29	6.10	-142.8		
0808	100 mL	11.07		15.8	0.73	3.62	0.56	6.13	-154.0		
0811	100	11.15		15.9	0.73	4.12	0.78	6.15	-157.3		
0814	100	11.34		16.2	0.73	3.61	1.10	6.16	-158.8		
0817	100	11.48		16.2	0.73	4.48	0.98	6.17	-158.4		
0820	100	11.57		16.3	0.73	4.21	0.94	6.18	-158.7		

Sample ID: GW-082818 - JRL - MW 1

Sample Time: 0825

Notes:

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi \cdot (r^2) \cdot L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s = \pi \cdot (r^2) \cdot L \cdot (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 500 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= V_p/V_s.
- (5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

Project Data:

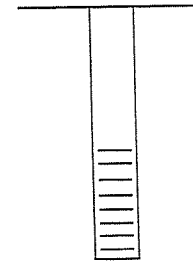
Project Name: RENTON TERMINAL
Ref. No.: 070496.17

Date: 08-28-18
Personnel: JRL / DT

Monitoring Well Data:

Well No.: MW-2
Vapour PID (ppm): _____
Measurement Point: TOC
Constructed Well Depth (m/ft): _____
Measured Well Depth (m/ft): 19.59
Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft): _____
Depth to Pump Intake (m/ft)⁽¹⁾: 15"
Well Diameter, D (cm/in): 2"
Well Screen Volume, V_s (L)⁽²⁾: _____
Initial Depth to Water (m/ft): 10.08



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
Precision Required ⁽⁵⁾ :				±3 %	±0.005 or 0.01 ⁽⁶⁾	±10 %	±10 %	±0.1 Units	±10 mV		
<u>0835</u>	<u>100ML</u>	<u>10.04</u>	<u>START</u>	<u>Pump on</u>							
<u>0838</u>	<u>100ML</u>	<u>10.04</u>		<u>17.4</u>	<u>0.417</u>	<u>11.44</u>	<u>0.87</u>	<u>6.36</u>	<u>-79.8</u>		
<u>0841</u>	<u>100ML</u>	<u>10.03</u>		<u>17.4</u>	<u>0.416</u>	<u>9.64</u>	<u>0.80</u>	<u>6.35</u>	<u>-82.8</u>		
<u>0844</u>	<u>100ML</u>	<u>10.03</u>		<u>17.4</u>	<u>0.416</u>	<u>5.81</u>	<u>0.70</u>	<u>6.33</u>	<u>-84.4</u>		
<u>0847</u>	<u>100ML</u>	<u>10.03</u>		<u>17.3</u>	<u>0.415</u>	<u>4.11</u>	<u>0.65</u>	<u>6.32</u>	<u>-86.1</u>		
<u>0850</u>	<u>100ML</u>	<u>10.04</u>		<u>17.3</u>	<u>0.414</u>	<u>4.08</u>	<u>0.63</u>	<u>6.32</u>	<u>-88.3</u>		

Sample ID: GW-082818-JRL-MW2

Sample Time: 0853

Notes:

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi * (r^2) * L$ in mL, where r (r=D/2) and L are in cm.
For Imperial units, $V_s = \pi * (r^2) * L * (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 500 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged = V_p / V_s .
- (5) For conductivity, the average value of three readings < 1 mS/cm ± 0.005 mS/cm or where conductivity > 1 mS/cm ± 0.01 mS/cm.

Project Data:

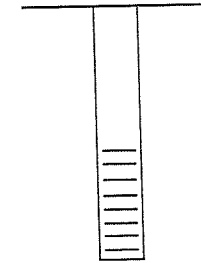
Project Name: REXTON TERMINAL
Ref. No.: 070496.17

Date: 08-28-18
Personnel: JRL / DT

Monitoring Well Data:

Well No.: MW-3
Vapour PID (ppm): _____
Measurement Point: TOC
Constructed Well Depth (m/ft): _____
Measured Well Depth (m/ft): 19.79
Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft): _____
Depth to Pump Intake (m/ft)⁽¹⁾: 15'
Well Diameter, D (cm/in): 2"
Well Screen Volume, V_s (L)⁽²⁾: _____
Initial Depth to Water (m/ft): 10.81



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
0910	100 mL	10.89	START	PUMPING							
0915	100 mL	11.03		13.7	0.158	25.6	0.58	5.98	-85.9		
0918	100 mL	11.24		13.7	0.159	25.7	0.56	5.91	-95.2		
0921	100 mL	11.38		13.7	0.160	26.1	0.47	5.90	-96.7		
0924	100 mL	11.43		13.7	0.159	28.6	0.45	5.89	-97.0		
0927	100 mL	11.48		13.7	0.159	28.6	0.44	5.89	-97.0		

Sample ID: GN-082818 - JRL - MW3

Sample Time: 0930

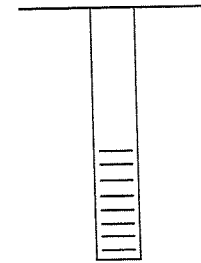
Notes:

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi * (r^2) * L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s = \pi * (r^2) * L * (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 500 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged = V_p / V_s .
- (5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

Project Data:

Project Name: RENTON TERMINAL
 Ref. No.: 070496.17

Date: 08-28-18
 Personnel: JRL / DT



Monitoring Well Data:

Well No.: MW-4
 Vapour PID (ppm): _____
 Measurement Point: 70C
 Constructed Well Depth (m/ft): _____
 Measured Well Depth (m/ft): 19.75
 Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft): _____
 Depth to Pump Intake (m/ft)⁽¹⁾: 15'
 Well Diameter, D (cm/in): 2"
 Well Screen Volume, V_s (L)⁽²⁾: _____
 Initial Depth to Water (m/ft): 10.02

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
<u>0945</u>	<u>100mL</u>	<u>10.32</u>	<u>START PUMPING</u>	<u>14.0</u>	<u>0.220</u>	<u>17.2</u>	<u>0.63</u>	<u>5.90</u>	<u>-86.2</u>		
<u>0950</u>	<u>100mL</u>	<u>10.38</u>		<u>14.0</u>	<u>0.220</u>	<u>15.3</u>	<u>0.61</u>	<u>5.90</u>	<u>-88.3</u>		
<u>0953</u>	<u>100mL</u>	<u>10.45</u>		<u>14.2</u>	<u>0.221</u>	<u>13.8</u>	<u>0.58</u>	<u>5.90</u>	<u>-89.7</u>		
<u>0956</u>	<u>100mL</u>	<u>10.50</u>		<u>14.3</u>	<u>0.221</u>	<u>12.1</u>	<u>0.53</u>	<u>5.89</u>	<u>-90.1</u>		
<u>0959</u>	<u>100mL</u>	<u>10.53</u>		<u>14.3</u>	<u>0.220</u>	<u>11.0</u>	<u>0.57</u>	<u>5.89</u>	<u>-93.8</u>		
<u>1002</u>	<u>100mL</u>	<u>10.50</u>		<u>14.5</u>	<u>0.218</u>	<u>9.7</u>	<u>0.49</u>	<u>5.88</u>	<u>-95.6</u>		

Sample ID: GW-082818-JRL-MW4

Sample Time: 1010

Notes:

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi * (r^2) * L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s = \pi * (r^2) * L * (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 500 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged = V_p / V_s .
- (5) For conductivity, the average value of three readings < 1 mS/cm ± 0.005 mS/cm or where conductivity > 1 mS/cm ± 0.01 mS/cm.

Project Data:

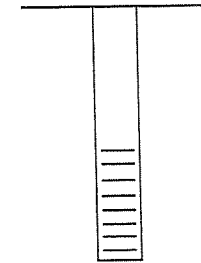
Project Name: RENTON TERMINAL
Ref. No.: 070496.17

Date: 08-28-18
Personnel: JRL/DT

Monitoring Well Data:

Well No.: MW-5
Vapour PID (ppm): _____
Measurement Point: TOC
Constructed Well Depth (m/ft): _____
Measured Well Depth (m/ft): 20.40
Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft): _____
Depth to Pump Intake (m/ft)⁽¹⁾: 15'
Well Diameter, D (cm/in): 2"
Well Screen Volume, V_s (L)⁽²⁾: _____
Initial Depth to Water (m/ft): 10.83



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
Precision Required ⁽⁵⁾ :				±3 %	±0.005 or 0.01 ⁽⁶⁾	±10 %	±10 %	±0.1 Units	±10 mV		
1025	100mL										
<u>START PUMPING</u>											
1030	100mL	10.96		13.5	0.425	1.77	0.77	6.18	-123.9		
1033	100mL	11.03		13.7	0.457	3.59	0.45	6.23	-136.8		
1036	100mL	11.04		13.8	0.461	5.78	0.41	6.24	-137.6		
1039	100mL	11.09		13.9	0.499	9.96	0.37	6.29	-146.0		
1042	100mL	11.08		13.9	0.520	10.7	0.35	6.38	-148.7		
1045	100mL	11.08		13.9	0.52	11.3	0.35	6.38	-148.9		
1048	100mL	11.10		14.0	0.53	14.0	0.34	6.39	-149.3		

Sample ID: GW-082818 - JRL - MW5

Sample Time: 1055

Notes:

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi * (r^2) * L$ in mL, where r (r=D/2) and L are in cm.
For Imperial units, $V_s = \pi * (r^2) * L * (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 500 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged = V_p / V_s .
- (5) For conductivity, the average value of three readings < 1 mS/cm ± 0.005 mS/cm or where conductivity > 1 mS/cm ± 0.01 mS/cm.

Project Data:

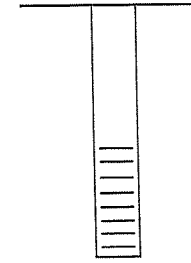
Project Name: KENTON TERMINAL
Ref. No.: 070496.17

Date: 08-28-18
Personnel: JRL / DT

Monitoring Well Data:

Well No.: MW-10
Vapour PID (ppm): _____
Measurement Point: TOC
Constructed Well Depth (m/ft): _____
Measured Well Depth (m/ft): 20.17
Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft): 0
Depth to Pump Intake (m/ft)⁽¹⁾: 16'
Well Diameter, D (cm/in): 2"
Well Screen Volume, V_s (L)⁽²⁾: _____
Initial Depth to Water (m/ft): 11.00



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
Precision Required ⁽⁵⁾ :				±3 %	±0.005 or 0.01 ⁽⁶⁾	±10 %	±10 %	±0.1 Units	±10 mV		
1215	100ML										
1220	100ML	11.21		18.0	0.95	7.87	0.44	6.30	-134		
1223	100ML	1129		18.1	0.95	7.86	0.60	6.33	-139.6		
1224	100ML	1135		17.9	0.95	4.34	0.77	6.37	-145.9		
1229	100ml	1147		17.8	0.95	3.38	0.63	6.38	-151.3		
1232	100ml	1153		17.8	0.95	3.01	0.56	6.39	-152.6		
1235	100ML	1161		17.8	0.95	2.26	0.53	6.39	-153.7		

Sample ID: GW-082818 -JRL-MW10

Sample Time: 1240

Notes:

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi * (r^2) * L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s = \pi * (r^2) * L * (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 500 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= V_p/V_s.
- (5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

Project Data:

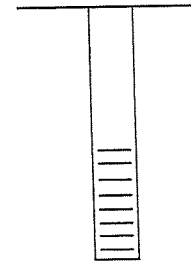
Project Name: RENTON TERMINAL
Ref. No.: 090496.17

Date: 08-28-18
Personnel: JRL / DT

Monitoring Well Data:

Well No.: D-1R
Vapour PID (ppm): _____
Measurement Point: TOC
Constructed Well Depth (m/ft): _____
Measured Well Depth (m/ft): 20.00
Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft): _____
Depth to Pump Intake (m/ft)⁽¹⁾: 15
Well Diameter, D (cm/in): 2"
Well Screen Volume, V_s (L)⁽²⁾: _____
Initial Depth to Water (m/ft): 10.02



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
1255	100ml	20.10	START	19.5	0.52	6.71	0.31	6.50	-128.9		
<u>1305</u>	<u>100ml</u>	<u>20.10</u>	<u>START</u>	<u>19.5</u>	<u>0.52</u>	<u>6.71</u>	<u>0.31</u>	<u>6.50</u>	<u>-128.9</u>		
<u>1308</u>	<u>100ml</u>	<u>20.13</u>		<u>19.5</u>	<u>0.52</u>	<u>4.40</u>	<u>0.30</u>	<u>6.50</u>	<u>-126.9</u>		
<u>1312</u>	<u>100ml</u>	<u>20.13</u>		<u>19.7</u>	<u>0.52</u>	<u>3.52</u>	<u>0.30</u>	<u>6.50</u>	<u>-127.2</u>		
<u>1315</u>	<u>100ml</u>	<u>20.13</u>		<u>19.4</u>	<u>0.52</u>	<u>4.47</u>	<u>0.30</u>	<u>6.49</u>	<u>-127.1</u>		
1320											

Sample ID: GW-082818 - JRL - DIR

Sample Time: 1320

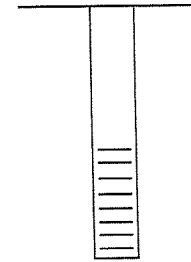
Notes:

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi * (r^2) * L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s = \pi * (r^2) * L * (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 500 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged = V_p / V_s .
- (5) For conductivity, the average value of three readings < 1 mS/cm ± 0.005 mS/cm or where conductivity > 1 mS/cm ± 0.01 mS/cm.

Project Data:

Project Name: RENTON TERMINAL
Ref. No.: 070496.17

Date: 8/28/18
Personnel: DT/JRL



Monitoring Well Data:

Well No.: MW-16
Vapour PID (ppm): _____
Measurement Point: TOC
Constructed Well Depth (m/ft): _____
Measured Well Depth (m/ft): 18.02
Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft): _____
Depth to Pump Intake (m/ft)⁽¹⁾: _____
Well Diameter, D (cm/in): 2"
Well Screen Volume, V_s (L)⁽⁴⁾: _____
Initial Depth to Water (m/ft): 10.67

Start pump 0740

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
0810	150	10.87	0.20	16.81	236.5	37.4	1.21	5.79	27		
0815	↓	10.86	0.19	16.80	236.7	38.9	1.19	5.80	25		
0820	↓	10.87	0.20	16.78	236.9	36.3	1.15	5.80	24		
0825	Sampled										

Sample ID: GW-82818-DT-MW16

Sample Time: 0825

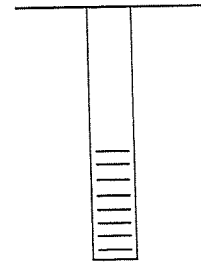
Notes:

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi * (r^2) * L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s = \pi * (r^2) * L * (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 500 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= V_p/V_s.
- (5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

Project Data:

Project Name: RENTON TERMINAL
 Ref. No.: 070496.17

Date: 8/28/18
 Personnel: DT/JML



Monitoring Well Data:

Well No.: MW-13
 Vapour PID (ppm): _____
 Measurement Point: TOC
 Constructed Well Depth (m/ft): _____
 Measured Well Depth (m/ft): 18.92
 Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft): _____
 Depth to Pump Intake (m/ft)⁽¹⁾: _____
 Well Diameter, D (cm/in): 2"
 Well Screen Volume, V_s (L)⁽⁴⁾: _____
 Initial Depth to Water (m/ft): 10.88

Start pump 0835

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
Precision Required ⁽⁵⁾ :				±3 %	±0.005 or 0.01 ⁽⁶⁾	±10 %	±10 %	±0.1 Units	±10 mV		
0905	150	10.90	11.49 - 0.61	18.31	232.0	4.55	1.10	6.02	-19		
0910	↓	11.50	0.62	18.39	232.3	4.30	1.12	6.03	-20		
0915	↓	11.50	0.62	18.37	232.2	4.71	1.09	6.02	-20		
0920	Sampled										

Sample ID: GW-82818-DT-MW13

Sample Time: 0920

- Notes:
- The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
 - The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi * (r^2) * L$ in mL, where $r = (D/2)$ and L are in cm. For Imperial units, $V_s = \pi * (r^2) * L * (2.54)^3$, where r and L are in inches
 - The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 500 mL/min.
 - Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged = V_p / V_s .
 - For conductivity, the average value of three readings < 1 mS/cm ± 0.005 mS/cm or where conductivity > 1 mS/cm ± 0.01 mS/cm.

Project Data:

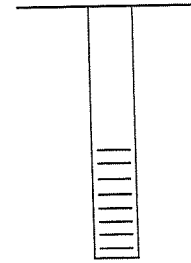
Project Name: RENTON TERMINAL
Ref. No.: 070496-17

Date: 8/28/18
Personnel: DT/JRL

Monitoring Well Data:

Well No.: MW-14
Vapour PID (ppm): _____
Measurement Point: 700
Constructed Well Depth (m/ft): _____
Measured Well Depth (m/ft): 19.66
Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft): _____
Depth to Pump Intake (m/ft)⁽¹⁾: _____
Well Diameter, D (cm/in): 2"
Well Screen Volume, V_s (L)⁽²⁾: _____
Initial Depth to Water (m/ft): 11.54



0935 pump started

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
Precision Required ⁽⁵⁾ :				±3 %	±0.005 or 0.01 ⁽⁶⁾	±10 %	±10 %	±0.1 Units	±10 mV		
1005	150	11.80	0.26	17.33	784.0	8.18	0.46	6.26	-100		
1010	↓	11.79	0.25	17.36	783.7	7.59	0.46	6.25	-101		
1015	↓	11.80	0.26	17.37	784.1	7.97	0.48	6.25	-101		
1020	Sampled										

Sample ID: GW-82818-DT-MW14 Sample Time: 1020

Notes:

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi * (r^2) * L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s = \pi * (r^2) * L * (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 500 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged = V_p/V_s .
- (5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

Project Data:

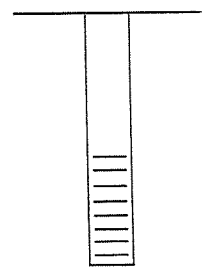
Project Name: RENTON TERMINAL
Ref. No.: 070496.17

Date: 8/28/18
Personnel: JRL/DT

Monitoring Well Data:

Well No.: MW-11
Vapour PID (ppm): _____
Measurement Point: TOC
Constructed Well Depth (m/ft): _____
Measured Well Depth (m/ft): 19.80
Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft): _____
Depth to Pump Intake (m/ft)⁽¹⁾: _____
Well Diameter, D (cm/in): 2"
Well Screen Volume, V_s (L)⁽²⁾: _____
Initial Depth to Water (m/ft): 6.66



1235 Start pump

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
Precision Required ⁽⁵⁾ :				±3 %	±0.005 or 0.01 ⁽⁶⁾	±10 %	±10 %	±0.1 Units	±10 mV		
<u>1305</u>	<u>150</u>	<u>6.70</u>	<u>0.04</u>	<u>16.50</u>	<u>530.3</u>	<u>1.42</u>	<u>0.83</u>	<u>6.25</u>	<u>-70</u>		
<u>1310</u>		<u>6.70</u>	<u>0.04</u>	<u>16.46</u>	<u>529.9</u>	<u>1.31</u>	<u>0.82</u>	<u>6.25</u>	<u>-71</u>		
<u>1315</u>		<u>6.70</u>	<u>0.04</u>	<u>16.49</u>	<u>529.7</u>	<u>1.37</u>	<u>0.79</u>	<u>6.26</u>	<u>-71</u>		
<u>1320</u>		<u>6.70</u>	<u>0.04</u>	<u>16.51</u>	<u>529.6</u>	<u>1.28</u>	<u>0.80</u>	<u>6.26</u>	<u>-73</u>		
<u>1325</u>	<u>Sampled</u>										

Sample ID: GW-82818-DT-MW11

Sample Time: 1325

Notes:

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi * (r^2) * L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s = \pi * (r^2) * L * (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 500 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged = V_p / V_s .
- (5) For conductivity, the average value of three readings < 1 mS/cm ± 0.005 mS/cm or where conductivity > 1 mS/cm ± 0.01 mS/cm.

Project Data:

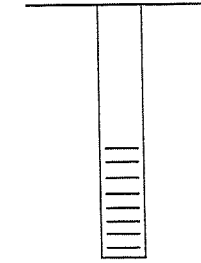
Project Name: RENTON TERMINAL
Ref. No.: 070496.17

Date: 8/28/18
Personnel: DT/jm

Monitoring Well Data:

Well No.: MW-17
Vapour PID (ppm): _____
Measurement Point: TOC
Constructed Well Depth (m/ft): _____
Measured Well Depth (m/ft): 18.92
Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft): _____
Depth to Pump Intake (m/ft)⁽¹⁾: _____
Well Diameter, D (cm/in): 2"
Well Screen Volume, V_s (L)⁽²⁾: _____
Initial Depth to Water (m/ft): 3.31



1335 Start pump

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
Precision Required ⁽⁵⁾ :				±3 %	±0.005 or 0.01 ⁽⁶⁾	±10 %	±10 %	±0.1 Units	±10 mV		
1705	150	3.31	0.00	19.09	878.5	3.20	0.95	6.29			
1710	↓	3.31	0.00	19.04	878.8	3.11	0.92	6.29			
1715	↓	3.31	0.00	18.98	878.9	3.34	0.90	6.29			
1720	Sampled										

Sample ID: GW-82818 -DT-MW17 Sample Time: 1720

Notes:

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi * (r^2) * L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s = \pi * (r^2) * L * (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 500 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged = V_p / V_s .
- (5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

Field Data Record Form
Meter, ORP/Temp./Turb./Cond./pH,
YSI ProDSS Water Quality Meter
(QSF-551D)


Page 1 of 1

Control number: YSI PROFESSIONAL Plus Project number: 070116.17
 Date (mm/dd/yyyy): 08-28-18 Project name: BENTON TERMINAL
 User (print name): JOE LEWANDOWSKI Location: BENTON WA

Calibration solution(s): pH 7, 10, 4, COND, TURB
 Lot #(s): 7712866, F 7801008
 Supplier(s): FIELD ENVIRONMENTAL
 Expiration date(s): FEB 2020

Additional information: _____

Field procedure before use:

	Check when completed
<p>pH, ORP, Conductivity, and Turbidity Calibration</p> <ol style="list-style-type: none"> Ensure the equipment used for calibration is clean and rinsed. <i>Note: The sensor guard and calibration cup are required for turbidity. Other containers (e.g. beaker) can be used for pH, ORP, ISE, and conductivity calibrations as long as care is used to protect the sensors from damage.</i> Fill the calibration container with enough fresh standard to cover the temperature sensor and the sensing end of the sensor to be calibrated. Completely submerge the top vent hole when calibrating the conductivity sensor. If using the calibration cup, fill to the first line for pH, ORP, and turbidity calibration. Fill to the second (i.e. top) line for conductivity. <i>Note: First calibration point for turbidity must be 0 NTU. Deionized or distilled water can be used.</i> Press the Cal  key. Highlight the parameter you wish to calibrate and press the Enter key. For Conductivity, a second menu will offer the option of calibrating Specific Conductance, Conductivity, or Salinity. Calibrating one automatically calibrates the other two. Specific conductance is recommended. Allow at least one minute for the temperature to stabilize. Calibration solution values for pH and ORP standards are temperature dependent (e.g. pH 7 buffer calibration solution value is 7.02 at 20 °C and 7.00 at 25 °C). Enter the calibration solution value by highlighting Calibration Value, pressing the Enter key, and then using the alpha/numeric keypad to enter the known value for the standard. Once you have entered the value of the calibration standard, highlight ENTER and press the Enter key. Allow the readings to stabilize by observing the white line on the graph located at the bottom of the calibration screen. Once stable, highlight Accept Calibration and press the Enter key to calibrate. For pH, ISEs, and turbidity, continue with the next point by placing the sensor in a second standard solution and following the procedure previously described. To complete the calibration, highlight Finish Calibration and press the Enter key. Up to 3 calibration points can be completed for these sensors. 	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>

Filing: Field file

Signature: _____

Field Data Record Form
Meter, Water Level
(QSF-251D)
Page 1 of 1

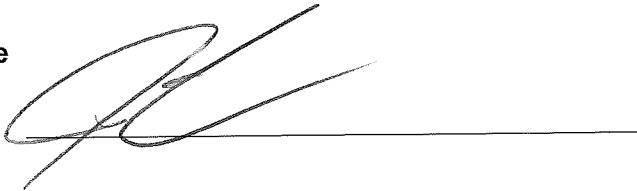
Control number: NF 07607
Date (mm/dd/yyyy): 08-28-2018
User (print name): JOE LEWANDOWSKI

Project number: 070496.17
Project name: RENTON TERMINAL
Location: RENTON, WA

Additional equipment control numbers and descriptions: _____

Field procedure before use:

	Check when completed
<ul style="list-style-type: none"> • Check for broken or missing parts. • Check battery • Check operation of buzzer. • Check operation of signal light. • Test probe in water to ensure unit operates, both visually and audibly. • Check cable. 	<div style="text-align: center;"> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> </div>

Filing: Field file
Signature: 

PRE-TASK RISK ASSESSMENT

08/29/18

This chart is guidance to assist workers when to perform JSA's, risk review meetings, or when management approval may be required. Workers always have the authority and responsibility to shut-down or not perform work that is not safe.

Description of Task: ENM Project/Site Number: 070496.17

WORKERS		Points
<input checked="" type="checkbox"/>	Normal, no fatigue, good supervision, no concerns	0
<input type="checkbox"/>	Adequate supervision is not in place to monitor workers	40
<input type="checkbox"/>	Worker's physical limitations for this task is a concern	40
<input type="checkbox"/>	Workers are working under a fatigue exception	30
<input type="checkbox"/>	Workers are short service employees, or not familiar with site	25
<input type="checkbox"/>	Lone Worker	20
<input type="checkbox"/>	Work is being performed near the end of shift, or during an extended shift.	20
<input type="checkbox"/>	Workers have not performed this type of work previously	20

ENVIRONMENT		Points
<input checked="" type="checkbox"/>	Daylight activity, good weather, good supervision	0
<input type="checkbox"/>	Work is in elevated areas and/or involves significant climbing and wearing personal fall arrest equipment	20
<input type="checkbox"/>	Weather is poor (rain, winds above 25mph)	20
<input type="checkbox"/>	Weather is extreme (below freezing, lightning advisory)	20
<input type="checkbox"/>	Work is inside a confined space, excavation, cramped quarters or similar location	20
<input type="checkbox"/>	There is potential for heat stress	20
<input type="checkbox"/>	Lighting is poor	20
<input type="checkbox"/>	Work is in close proximity to hot surfaces	20
<input type="checkbox"/>	Task performed after-hours (night shift) or is a security risk	20

TASK		Points
<input type="checkbox"/>	Simple task with no potential exposure to process hazards or hazardous materials	0
<input type="checkbox"/>	Task involves opening process equipment without knowing internal conditions (example no bleeder to test).	80
<input type="checkbox"/>	Entry into inerted confined space	80
<input type="checkbox"/>	Task requires a deviation from safety procedures	80
<input type="checkbox"/>	Task involves lifting equipment with crane	60
<input type="checkbox"/>	Task involves initial entry (first break) into process equipment	40
<input type="checkbox"/>	Task requires erection, modification, or demolition of a hanging, non-routine, or engineered scaffold.	40
<input type="checkbox"/>	Taking samples with potential exposure to hazardous materials	40
<input type="checkbox"/>	Task involves potential exposure to H2S above 100 ppm	40
<input type="checkbox"/>	Task involves working with live electrical equipment, or potential for arc flash	40
<input type="checkbox"/>	Task has never been done before, there are no specific procedures for completion	40
<input type="checkbox"/>	Previous significant incidents or injuries have occurred performing this task	40
<input type="checkbox"/>	This is a critical task, there is "pressure" to complete this job timely	40
<input type="checkbox"/>	Hot Work, Welding, Grinding	20
<input type="checkbox"/>	Greater than 4 foot deep excavation to be entered by worker	25
<input type="checkbox"/>	Task involves potential exposure to H2S above 10 ppm	20
<input type="checkbox"/>	Task requires use of supplied air respiratory protection	15
<input checked="" type="checkbox"/>	Task requires significant lifting, bending, man-handling equipment	15
<input type="checkbox"/>	Task requires underwater activities	15
<input type="checkbox"/>	Task involves Lock, Tag, Try (LOTO)	10
<input checked="" type="checkbox"/>	Task is expected to take multiple hours to perform	5

ADD POINTS: WORKERS + ENVIRONMENT+ TASK TOTAL= 20


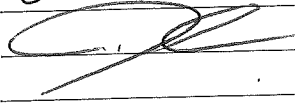
Required Action	Risk
Every worker is required to personally answer 3 questions for every job, every task, every day: 1. What am I about to do? 2. What can go wrong/how can someone get hurt? 3. How will I ensure no-one gets hurt?	0-39 low-moderate risk
And, a proper quality JSA must be completed, signed by all workers and supervisor	
A JSA plus a specific safety plan addressing every applicable item above with points, signed by all workers and supervisor. This is reviewed by all workers in a risk review meeting.	40-59 medium risk
All the above plus approval by Consultant Project Manager & HSE	60-79 potential significant risk
All the above plus approval by RM Program Manager & HSE	80+ points potential high risk

TAILGATE SAFETY MEETING FORM
 SMALL GROUP FORMAT - MULTIPLE DAYS
 2423 LIND AVENUE SW, RENTON, WA

Date: 8/27/18 Time: 0700 Project No.: 070496
 Presenter: D. Johnson Project Name: Renton Terminal


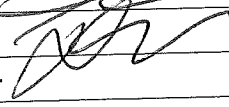
Safety topics/items discussed:
Slips / trips / falls | PPE | Truck traffic

Site personnel in attendance:

Print Name	Signature	Company
<u>D. Johnson</u>		<u>GHD</u>
<u>JOE LEWANDOWSKI</u>		<u>GHD</u>

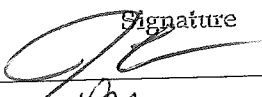
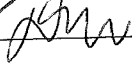
Date: 08-28-18 Time: 0700 Presenter: JDL

Safety topics/items discussed:
SLIP/TRIP/FALLS BACK STRAIN PUNCT. POINTS
TRAFFIC HEARING PROTECTION HEAT STRESS
PPE CROSS CONTAMINATION

Print Name	Signature	Company
<u>JOE LEWANDOWSKI</u>		<u>GHD</u>
<u>D. Johnson</u>		<u>GHD</u>

Date: 8-29-18 Time: 0700 Presenter: JDL

Safety topics/items discussed:
PPE SLIP/TRIP/FALL
CROSS CONTAMINATION HEAT STRESS
TRAFFIC PUNCT POINTS

Print Name	Signature	Company
<u>JOE LEWANDOWSKI</u>		<u>GHD</u>
<u>D. Johnson</u>		<u>GHD</u>

Project Data:

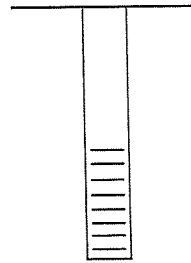
Project Name: REXTON TERMINAL
Ref. No.: D70496.17

Date: 08/29/18
Personnel: JRL / DT

Monitoring Well Data:

Well No.: MW-7
Vapour PID (ppm): _____
Measurement Point: TOC
Constructed Well Depth (m/ft): _____
Measured Well Depth (m/ft): 19.82
Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft): _____
Depth to Pump Intake (m/ft)⁽¹⁾: 16'
Well Diameter, D (cm/in): 2"
Well Screen Volume, V_s (L)⁽²⁾: _____
Initial Depth to Water (m/ft): 11.80



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
Precision Required ⁽⁵⁾ :				±3 %	±0.005 or 0.01 ⁽⁶⁾	±10 %	±10 %	±0.1 Units	±10 mV		
0800	100mL		START	PUMPING							
0805	100mL	11.92		16.9	0.494	4.57	0.73	6.23	-168.4		
0808	100mL	12.03		16.7	0.495	4.79	0.70	6.25	-171.2		
0811	100mL	12.12		16.9	0.497	5.03	0.89	6.27	-173.8		
0814	100mL	12.34		16.9	0.499	4.80	0.63	6.29	-174.7		
0817	100mL	12.41		17.1	0.499	5.12	0.60	6.29	-174.9		
0820	100mL	12.53		17.3	0.500	6.08	0.58	6.30	-175.2		

Sample ID: GW-082918 - JRL - MW-7

Sample Time: 0825

Notes: ~~X~~ MS/MSD TAKEN AFTER

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi * (r^2) * L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s = \pi * (r^2) * L * (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 500 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= V_p/V_s.
- (5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

Project Data:

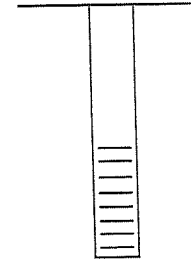
Project Name: RENTON TERMINAL
Ref. No.: 070496-17

Date: 8-29-18
Personnel: JRL / DT

Monitoring Well Data:

Well No.: D-4R
Vapour PID (ppm): _____
Measurement Point: TOC
Constructed Well Depth (m/ft): _____
Measured Well Depth (m/ft): 18.78
Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft): _____
Depth to Pump Intake (m/ft)⁽¹⁾: 15
Well Diameter, D (cm/in): 2"
Well Screen Volume, V_s (L)⁽²⁾: _____
Initial Depth to Water (m/ft): 10.84



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
Precision Required ⁽⁵⁾ :				±3 %	±0.005 or 0.01 ⁽⁶⁾	±10 %	±10 %	±0.1 Units	±10 mV		
0910	100 mL	10.90	START PUMPING								
0915	100 mL	11.14		16.4	0.294	4.02	0.60	6.38	-134.3		
0918	100 mL	11.32		15.7	0.298	4.56	0.48	6.39	-147.0		
0921	100 mL	11.40		15.8	0.297	3.38	0.47	6.39	-149.7		
0924	100 mL	11.43		15.9	0.298	2.85	0.48	6.40	-150.2		
0927	100 mL	11.48		15.9	0.297	2.20	0.49	6.40	-152.9		

Sample ID: GW-082918 - JRL - D4R

Sample Time: 0930

Notes:

- The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi * (r^2) * L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s = \pi * (r^2) * L * (2.54)^3$, where r and L are in inches
- The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 500 mL/min.
- Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged = V_p / V_s .
- For conductivity, the average value of three readings < 1 mS/cm ± 0.005 mS/cm or where conductivity > 1 mS/cm ± 0.01 mS/cm.

Project Data:

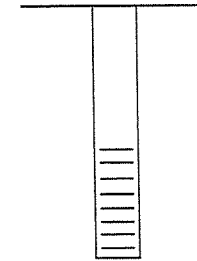
Project Name: RENTON TERMINAL
Ref. No.: 070496.17

Date: 08-29-18
Personnel: JRL / DT

Monitoring Well Data:

Well No.: D-5R
Vapour PID (ppm): _____
Measurement Point: TOC
Constructed Well Depth (m/ft): _____
Measured Well Depth (m/ft): 19.40
Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft): _____
Depth to Pump Intake (m/ft)⁽¹⁾: 15'
Well Diameter, D (cm/in): 2"
Well Screen Volume, V_s (L)⁽²⁾: _____
Initial Depth to Water (m/ft): 10.98



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
Precision Required ⁽⁵⁾ :				±3 %	±0.005 or 0.01 ⁽⁶⁾	±10 %	±10 %	±0.1 Units	±10 mV		
0950	100 mL	10.88	_____	17.5	0.58	4.78	0.50	6.42	-157.9		
0958	100 mL	10.88		17.5	0.58	4.12	0.49	6.42	-153.6		
1002	100 mL	10.89		17.5	0.58	5.42	0.42	6.44	-155.7		
1005	100 mL	10.89		17.5	0.58	6.02	0.38	6.45	-158.5		
1008	100 mL	10.90		17.5	0.58	7.79	0.35	6.45	-158.9		
1011	100 mL	10.93		17.5	0.58						

Sample ID: GW-082918-JM-D5R

Sample Time: 1015

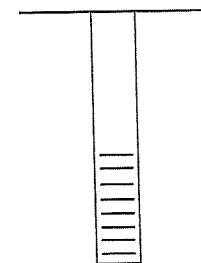
Notes: DUP-1 TAKEN HERE

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi \cdot (r^2) \cdot L$ in mL, where $r = (D/2)$ and L are in cm. For Imperial units, $V_s = \pi \cdot (r^2) \cdot L \cdot (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 500 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged = V_p/V_s .
- (5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

Project Data:

Project Name: RENTON TERMINAL
Ref. No.: 070496.17

Date: 08/29/18
Personnel: JRL/DT



Monitoring Well Data:

Well No.: MW-8
Vapour PID (ppm): _____
Measurement Point: TOC
Constructed Well Depth (m/ft): _____
Measured Well Depth (m/ft): 19.93
Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft): _____
Depth to Pump Intake (m/ft)⁽¹⁾: 16'
Well Diameter, D (cm/in): 2"
Well Screen Volume, V_s (L)⁽²⁾: _____
Initial Depth to Water (m/ft): 11.20

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
Precision Required ⁽⁵⁾ :				±3 %	±0.005 or 0.01 ⁽⁶⁾	±10 %	±10 %	±0.1 Units	±10 mV		
<u>1046</u>	<u>100ml</u>		<u>START</u>								
<u>1050</u>	<u>100ml</u>	<u>11.04</u>		<u>20.5</u>	<u>0.71</u>	<u>5.94</u>	<u>0.42</u>	<u>6.34</u>	<u>-144.2</u>		
<u>1053</u>	<u>100ml</u>	<u>11.14</u>		<u>20.5</u>	<u>0.71</u>	<u>2.29</u>	<u>0.34</u>	<u>6.36</u>	<u>-147.5</u>		
<u>1056</u>	<u>100ml</u>	<u>11.14</u>		<u>20.4</u>	<u>0.71</u>	<u>3.46</u>	<u>0.29</u>	<u>6.37</u>	<u>-149.9</u>		
<u>1059</u>	<u>100ml</u>	<u>11.14</u>		<u>20.5</u>	<u>0.71</u>	<u>3.82</u>	<u>0.26</u>	<u>6.38</u>	<u>-151.8</u>		
<u>1102</u>	<u>100ml</u>	<u>11.14</u>		<u>20.4</u>	<u>0.71</u>	<u>4.59</u>	<u>0.25</u>	<u>6.39</u>	<u>-152.4</u>		

Sample ID: GW-082918 - JRL - MW8

Sample Time: 1105

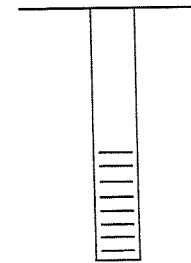
Notes:

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi * (r^2) * L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s = \pi * (r^2) * L * (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 500 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged = V_p / V_s .
- (5) For conductivity, the average value of three readings < 1 mS/cm ± 0.005 mS/cm or where conductivity > 1 mS/cm ± 0.01 mS/cm.

Project Data:

Project Name: RENTON TERMINAL
Ref. No.: 070496-17

Date: 08-29-18
Personnel: JRL / DT



Monitoring Well Data:

Well No.: MW-9
Vapour PID (ppm): _____
Measurement Point: TOL
Constructed Well Depth (m/ft): _____
Measured Well Depth (m/ft): 17.24
Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft): _____
Depth to Pump Intake (m/ft)⁽¹⁾: 4
Well Diameter, D (cm/in): 2"
Well Screen Volume, V_s (L)⁽²⁾: _____
Initial Depth to Water (m/ft): 8.81

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
Precision Required ⁽⁵⁾ :				±3 %	±0.005 or 0.01 ⁽⁶⁾	±10 %	±10 %	±0.1 Units	±10 mV		
1227	100mL	9.38	START	23.0	0.80	7.63	0.32	6.16	-107.5		
1235	100mL	9.38		23.0	0.80	7.63	0.32	6.16	-107.5		
1238	100mL	9.56		23.0	0.80	8.79	0.29	6.16	-108.3		
1241	100mL	9.74		23.4	0.80	3.71	0.28	6.18	-110.1		
1244	100mL	9.91		23.3	0.79	3.08	0.26	6.19	-110.1		
1249											

Sample ID: GW-082918 - JRL - MW9

Sample Time: 1250

Notes:

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi * (r^2) * L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s = \pi * (r^2) * L * (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 500 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged = V_p / V_s .
- (5) For conductivity, the average value of three readings < 1 mS/cm ± 0.005 mS/cm or where conductivity > 1 mS/cm ± 0.01 mS/cm.

Project Data:

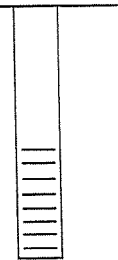
Project Name: RENTON TERMINAL
Ref. No.: 070496-17

Date: 8/29/18
Personnel: JRL / DT

Monitoring Well Data:

Well No.: B-4
Vapour PID (ppm): _____
Measurement Point: TOL
Constructed Well Depth (m/ft): _____
Measured Well Depth (m/ft): 11.10
Depth of Sediment (m/ft): _____
Start pump 0730

Saturated Screen Length (m/ft): _____
Depth to Pump Intake (m/ft)⁽¹⁾: _____
Well Diameter, D (cm/in): 2"
Well Screen Volume, V_s (L)⁽²⁾: _____
Initial Depth to Water (m/ft): 8.27



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
Precision Required ⁽⁵⁾ :				±3 %	±0.005 or 0.01 ⁽⁶⁾	±10 %	±10 %	±0.1 Units	±10 mV		
0800	150	8.41	0.14	19.91	830.5	35.5	1.26	6.43	-75		
0805	↓	8.40	0.13	19.94	830.4	33.1	1.20	6.44	-77		
0810	↓	8.41	0.14	19.90	830.6	35.3	1.18	6.44	-79		
0815	sampled										

Sample ID: GW-82918 - DT - B4

Sample Time: 0815

Notes:

- The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi * (r^2) * L$ in mL, where $r (r=D/2)$ and L are in cm. For Imperial units, $V_s = \pi * (r^2) * L * (2.54)^3$, where r and L are in inches
- The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 500 mL/min.
- Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= V_p/V_s .
- For conductivity, the average value of three readings < 1 mS/cm ±0.005 mS/cm or where conductivity > 1 mS/cm ±0.01 mS/cm.

Project Data:

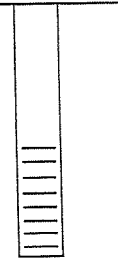
Project Name: RENTON TERMINAL
Ref. No.: 070496.17

Date: 8-29-18
Personnel: _____

Monitoring Well Data:

Well No.: B-3A
Vapour PID (ppm): _____
Measurement Point: TOC
Constructed Well Depth (m/ft): _____
Measured Well Depth (m/ft): 9.64
Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft): _____
Depth to Pump Intake (m/ft)⁽¹⁾: _____
Well Diameter, D (cm/in): 2"
Well Screen Volume, V_s (L)⁽²⁾: _____
Initial Depth to Water (m/ft): 8.58



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
Precision Required ⁽⁵⁾ :				±3 %	±0.005 or 0.01 ⁽⁶⁾	±10 %	±10 %	±0.1 Units	±10 mV		
0855	START PUMP	0.88	0.88								
0900	100	9.46	0.88	22.90	1341	76.2	0.78	6.33	-93		
0905	100	9.56	0.98	22.81	1342	73.8	0.75	6.34	-94		
0910	100	WELL DRY									

Sample ID: _____ Sample Time: _____

Notes: * WELL WENT DRY - DID NOT SAMPLE PER CHRISTINA MCCLELLAND

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi * (r^2) * L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s = \pi * (r^2) * L * (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 500 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= V_p/V_s.
- (5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

Project Data:

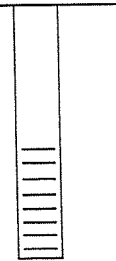
Project Name: RENTON TERMINAL
Ref. No.: 070496.17

Date: 8/29/18
Personnel: JRL/DT

Monitoring Well Data:

Well No.: MW-15
Vapour PID (ppm): _____
Measurement Point: TOC
Constructed Well Depth (m/ft): _____
Measured Well Depth (m/ft): 19.98
Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft): _____
Depth to Pump Intake (m/ft)⁽¹⁾: _____
Well Diameter, D (cm/in): 2"
Well Screen Volume, V_s (L)⁽²⁾: _____
Initial Depth to Water (m/ft): 9.91



1020 pump started

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
Precision Required ⁽⁵⁾ :				±3 %	±0.005 or 0.01 ⁽⁶⁾	±10 %	±10 %	±0.1 Units	±10 mV		
1050	150	9.97	0.06	19.97	493.2	2.59	0.69	6.30	-68		
1055	↓	9.97	0.06	19.93	492.9	2.27	0.70	6.30	-69		
1100	↓	9.96	0.05	19.95	493.3	2.31	0.69	6.30	-69		
1105	Sampled										

Sample ID: GW-82918 - DT - MW 15

Sample Time: 1105 / 1110 (DUP-2)

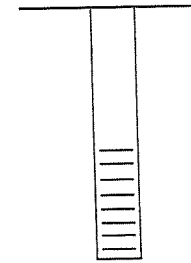
Notes: DUP-2

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi \cdot (r^2) \cdot L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s = \pi \cdot (r^2) \cdot L \cdot (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 500 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= V_p/V_s.
- (5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

Project Data:

Project Name: RENTON TERMINAL
 Ref. No.: 070496-17

Date: 8-29-18
 Personnel: JRL / DT



Monitoring Well Data:

Well No.: RWX-2
 Vapour PID (ppm): _____
 Measurement Point: TOC
 Constructed Well Depth (m/ft): _____
 Measured Well Depth (m/ft): 21.19
 Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft): _____
 Depth to Pump Intake (m/ft)⁽¹⁾: _____
 Well Diameter, D (cm/in): 4"
 Well Screen Volume, V_s (L)⁽²⁾: _____
 Initial Depth to Water (m/ft): 14.19

Start pump 1200

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
1230	150	14.59	0.30	17.98	610.1	1.90	1.50	6.78	-81		
1235	↓	17.60	0.31	18.02	609.6	1.81	1.45	6.78	-87		
1240	↓	14.60	0.31	18.10	609.4	2.13	1.45	6.78	-85		
1245	Sampled										

Sample ID: GW-82918 - DT - RWX2

Sample Time: 1245

Notes:

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi * (r^2) * L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s = \pi * (r^2) * L * (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 500 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged = V_p / V_s .
- (5) For conductivity, the average value of three readings < 1 mS/cm ± 0.005 mS/cm or where conductivity > 1 mS/cm ± 0.01 mS/cm.

Project Data:

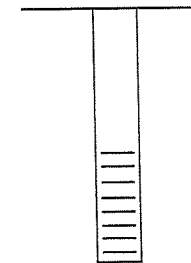
Project Name: RENTON TERMINAL
Ref. No.: 070496.17

Date: 8-29-18
Personnel: JEL/DT

Monitoring Well Data:

Well No.: RWX-7
Vapour PID (ppm): _____
Measurement Point: TOC
Constructed Well Depth (m/ft): _____
Measured Well Depth (m/ft): 20.54
Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft): _____
Depth to Pump Intake (m/ft)⁽¹⁾: _____
Well Diameter, D (cm/in): 4"
Well Screen Volume, V_s (L)⁽²⁾: _____
Initial Depth to Water (m/ft): 12.19



Start pump 1305

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
Precision Required ⁽⁵⁾ :				±3 %	±0.005 or 0.01 ⁽⁶⁾	±10 %	±10 %	±0.1 Units	±10 mV		
1335	150	12.37	0.18	21.63	624.0	6.85	0.98	6.80	-97		
1340	↓	12.37	0.18	21.70	623.8	7.12	1.00	6.80	-99		
1345	↓	12.37	0.18	21.69	623.2	7.20	0.97	6.81	-100		
1350	Sampled										

Sample ID: GW-82918 -DT- RWX7

Sample Time: 1350

Notes:

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi * (r^2) * L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s = \pi * (r^2) * L * (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 500 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= V_p/V_s.
- (5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

Field Data Record Form
Meter, Water Level
(QSF-251D)
Page 1 of 1

Control number: NF 07607
Date (mm/dd/yyyy): 08-29-18
User (print name): JUR LEWANDOWSKA

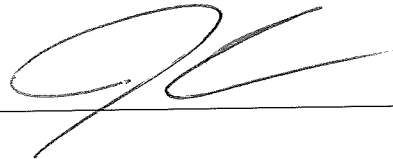
Project number: 070496-17
Project name: RENTON TERMINAL
Location: RENTON, WA

Additional equipment control numbers and descriptions: _____

Field procedure before use:

	Check when completed
<ul style="list-style-type: none"> • Check for broken or missing parts. • Check battery • Check operation of buzzer. • Check operation of signal light. • Test probe in water to ensure unit operates, both visually and audibly. • Check cable. 	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>

Filing: Field file

Signature: 

Field Data Record Form
Meter, ORP/Temp./Turb./Cond./pH,
YSI ProDSS Water Quality Meter
(QSF-551D)


Page 1 of 1

Control number: YSI PROFESSIONAL PLUS Project number: 070496.17
 Date (mm/dd/yyyy): 08-29-18 Project name: RENTON TERMINAL
 User (print name): JOE LEWANDOWSKI Location: RENTON WA

Calibration solution(s): PH 7.10, 4, COND, TURB
 Lot #(s): _____
 Supplier(s): FIELD ENVIRO
 Expiration date(s): FEB 2020

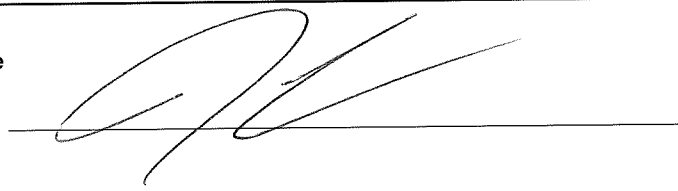
Additional information: _____

Field procedure before use:

	Check when completed
<p>pH, ORP, Conductivity, and Turbidity Calibration</p> <p>1. Ensure the equipment used for calibration is clean and rinsed. <i>Note:</i> The sensor guard and calibration cup are required for turbidity. Other containers (e.g. beaker) can be used for pH, ORP, ISE, and conductivity calibrations as long as care is used to protect the sensors from damage.</p> <p>2. Fill the calibration container with enough fresh standard to cover the temperature sensor and the sensing end of the sensor to be calibrated. Completely submerge the top vent hole when calibrating the conductivity sensor. If using the calibration cup, fill to the first line for pH, ORP, and turbidity calibration. Fill to the second (i.e. top) line for conductivity. <i>Note:</i> First calibration point for turbidity must be 0 NTU. Deionized or distilled water can be used.</p> <p>3. Press the Cal  key.</p> <p>4. Highlight the parameter you wish to calibrate and press the Enter key. For Conductivity, a second menu will offer the option of calibrating Specific Conductance, Conductivity, or Salinity. Calibrating one automatically calibrates the other two. Specific conductance is recommended.</p> <p>5. Allow at least one minute for the temperature to stabilize. Calibration solution values for pH and ORP standards are temperature dependent (e.g. pH 7 buffer calibration solution value is 7.02 at 20 °C and 7.00 at 25 °C).</p> <p>6. Enter the calibration solution value by highlighting Calibration Value, pressing the Enter key, and then using the alpha/numeric keypad to enter the known value for the standard. Once you have entered the value of the calibration standard, highlight ENTER and press the Enter key.</p> <p>7. Allow the readings to stabilize by observing the white line on the graph located at the bottom of the calibration screen. Once stable, highlight Accept Calibration and press the Enter key to calibrate.</p> <p>8. For pH, ISEs, and turbidity, continue with the next point by placing the sensor in a second standard solution and following the procedure previously described. To complete the calibration, highlight Finish Calibration and press the Enter key. Up to 3 calibration points can be completed for these sensors.</p>	<p><input checked="" type="checkbox"/></p> <p><input checked="" type="checkbox"/></p> <p><input checked="" type="checkbox"/></p> <p><input checked="" type="checkbox"/></p> <p><input checked="" type="checkbox"/></p> <p><input checked="" type="checkbox"/></p> <p><input checked="" type="checkbox"/></p> <p><input checked="" type="checkbox"/></p>

Filing: Field file

Signature: _____



Field Data Record Form
Meter, Turbidity (Portable) Hach 2100P and 2100Q
(QSF-421D)

Control number: 63622
 Date (mm/dd/yyyy): 08-29-18
 User (print name): JOE LEWANDOWSKI

Project number: 070496.17
 Project name: RENTON TERMINAL
 Location: RENTON, WA

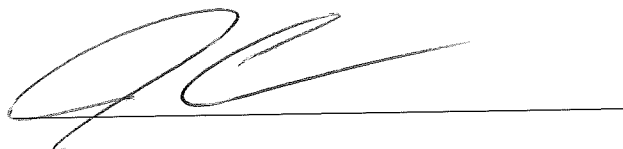
Additional equipment control numbers and descriptions: _____

Field procedure before use:

<i>Do not calibrate in the field.</i>		Check when completed										
Check kit contents; <ul style="list-style-type: none"> • Meter • STABLCAL standards (2100Q) • Low 0-10, medium 0-100, high standards (2100P) • Extra AA batteries • Sample vials 		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>										
Test and record standards: <table style="width: 100%; margin-top: 20px;"> <thead> <tr> <th style="text-align: center;"><i>Gelex (2100P)/STABLCAL (2100Q) Standard</i></th> <th style="text-align: center;"><i>Meter Reading</i></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td style="text-align: center;"><u>10</u></td> <td style="text-align: center;"><u>9.9</u></td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>		<i>Gelex (2100P)/STABLCAL (2100Q) Standard</i>	<i>Meter Reading</i>	<u>0</u>	<u>0</u>	<u>10</u>	<u>9.9</u>					<input checked="" type="checkbox"/>
<i>Gelex (2100P)/STABLCAL (2100Q) Standard</i>	<i>Meter Reading</i>											
<u>0</u>	<u>0</u>											
<u>10</u>	<u>9.9</u>											
<p>Note: Condensation on outside of sample bottles affects meter readings.</p>												

Filing: Field file

Signature: _____



Field Data Record Form
Meter, Water Level
(QSF-251D)
Page 1 of 1

Control number: NFO 7568 Project number: 070496-17
Date (mm/dd/yyyy): 8/28/18 - 8/29/18 Project name: Pentair P66
User (print name): D. Jones Location: Pentair P66

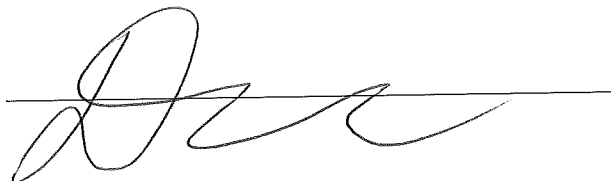
Additional equipment control numbers and descriptions: _____

Field procedure before use:

	Check when completed	
<ul style="list-style-type: none"> • Check for broken or missing parts. • Check battery • Check operation of buzzer. • Check operation of signal light. • Test probe in water to ensure unit operates, both visually and audibly. • Check cable. 	8/28	8/29
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Filing: Field file

Signature: _____



Field Data Record Form
Meter, Turbidity (Portable) Hach 2100P and 2100Q
(QSF-421D)

Control number: 08840
 Date (mm/dd/yyyy): 8/28/18
 User (print name): P. Johnson

Project number: 070496.17
 Project name: Renton P66
 Location: Renton, WA

Additional equipment control numbers and descriptions: _____

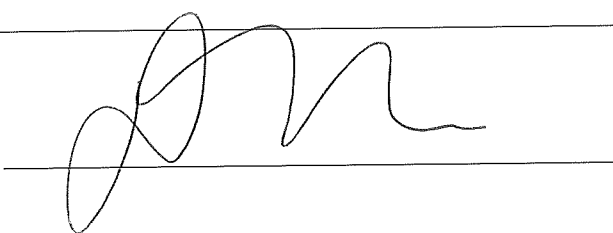
Field procedure before use:

<i>Do not calibrate in the field.</i>		Check when completed
Check kit contents;		8/28
• Meter		<input checked="" type="checkbox"/>
• STABLCAL standards (2100Q)		<input checked="" type="checkbox"/>
• Low 0-10, medium 0-100, high standards (2100P)		<input checked="" type="checkbox"/>
• Extra AA batteries		<input checked="" type="checkbox"/>
• Sample vials		<input checked="" type="checkbox"/>
Test and record standards:		<input checked="" type="checkbox"/>
<i>Gelex (2100P)/STABLCAL (2100Q) Standard</i>	8/28	8/29
S	4.98	4.95
S0	48.9	49.3
S06	S05	S05
Note: Condensation on outside of sample bottles affects meter readings.		

8/29
 X
 X
 X
 X
 X
 X

Filing: Field file

Signature: _____




Field Data Record Form
Meter, ORP/Temp./Turb./Cond./pH,
YSI ProDSS Water Quality Meter
(QSF-551D)

Control number: 08834 Project number: 070496-17
 Date (mm/dd/yyyy): 8/28/18 - 8-29-18 Project name: Penkew PL6
 User (print name): D. J. J. J. Location: Penkew

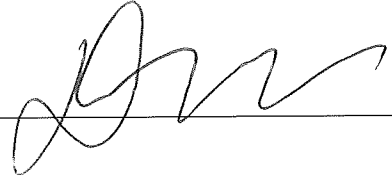
Calibration solution(s): pH 4.7, 1409 Cond
 Lot #(s): F253-10 / F215-21 / F251-26
 Supplier(s): FCI
 Expiration date(s): 9/16/18 / 9/5/18 / 9-16-18

Additional information: _____

Field procedure before use:

	Check when completed
pH, ORP, Conductivity, and Turbidity Calibration	8/28 <input checked="" type="checkbox"/>
1. Ensure the equipment used for calibration is clean and rinsed. <i>Note: The sensor guard and calibration cup are required for turbidity. Other containers (e.g. beaker) can be used for pH, ORP, ISE, and conductivity calibrations as long as care is used to protect the sensors from damage.</i>	<input checked="" type="checkbox"/>
2. Fill the calibration container with enough fresh standard to cover the temperature sensor and the sensing end of the sensor to be calibrated. Completely submerge the top vent hole when calibrating the conductivity sensor. If using the calibration cup, fill to the first line for pH, ORP, and turbidity calibration. Fill to the second (i.e. top) line for conductivity. <i>Note: First calibration point for turbidity must be 0 NTU. Deionized or distilled water can be used.</i>	<input checked="" type="checkbox"/>
3. Press the Cal  key.	<input checked="" type="checkbox"/>
4. Highlight the parameter you wish to calibrate and press the Enter key. For Conductivity, a second menu will offer the option of calibrating Specific Conductance, Conductivity, or Salinity . Calibrating one automatically calibrates the other two. Specific conductance is recommended.	<input checked="" type="checkbox"/>
5. Allow at least one minute for the temperature to stabilize. Calibration solution values for pH and ORP standards are temperature dependent (e.g. pH 7 buffer calibration solution value is 7.02 at 20 °C and 7.00 at 25 °C).	<input checked="" type="checkbox"/>
6. Enter the calibration solution value by highlighting Calibration Value , pressing the Enter key, and then using the alpha/numeric keypad to enter the known value for the standard. Once you have entered the value of the calibration standard, highlight ENTER and press the Enter key.	<input checked="" type="checkbox"/>
7. Allow the readings to stabilize by observing the white line on the graph located at the bottom of the calibration screen. Once stable, highlight Accept Calibration and press the Enter key to calibrate.	<input checked="" type="checkbox"/>
8. For pH, ISEs, and turbidity, continue with the next point by placing the sensor in a second standard solution and following the procedure previously described. To complete the calibration, highlight Finish Calibration and press the Enter key. Up to 3 calibration points can be completed for these sensors.	<input checked="" type="checkbox"/>

Filing: Field file

Signature: 



**FIELD ENVIRONMENTAL
INSTRUMENTS, INC.**

11710 AIRPORT RD

Suite A300

EVERETT, WA 98204

425-398-5600

855-398-5600

Fax: 425-512-0358

www.fieldenvironmental.com

info@fieldenvironmental.com

ORDER SHEET

ORDER NUMBER: 376378

QA/QC Check Stamp	
Fulfilled	Whse Mgmt
Sales Rep	Boxed
Shipped	

Rental Order

Rep: Matt Houser

Taken By: dverret

Box Markings: G

ORDER DATE: 8/21/18

DELIVERY DATE: 8/24/18

Bill To: David Trudeau
GHD - Lynnwood+
20818 44th Ave W, Suite 190
Lynnwood, WA 98036
Phone: 425-563-6523
Cell: 425-409-8096
E-mail: David.Trudeau@ghd.com

Ship To: David Trudeau
GHD - Lynnwood+
20818 44th Ave W, Suite 190
Lynnwood, WA 98036
Phone: 425-563-6523

Email Inv: InvoiceApprovalsUS@ghd.com

Payment Type: NET 30

Tax %: 10.400% **Tax Code:** WA3110

Cust. PO: 070496.17

Outgoing Ship Method: BWA - Customer Pick-Up

Outgoing Ship Acct: N/A

RENTAL PERIOD: Monday, 8/27/18 through Thursday, 8/30/18

Fed Ex Acct:

FS Option:

UPS Acct:

Return Shipping:

ORDER ITEMS:

#	Qty	ID	Class	Rental Terms			Sale Price	Item Total	Unit#	Return
				Months	Weeks	Days				
1	1	9334	LaMotte 2020we Turbidity Meter - Rental LBATT	\$191.25	\$66.94	\$38.25		\$0.00	82080	
Item Notes:										
2	1	9383	Pegasus Electra Peristaltic Pump - Rental NLBATT	\$191.25	\$66.94	\$28.69		\$0.00	67111	
Item Notes:										
3	1	9383	Pegasus Electra Peristaltic Pump - Rental NLBATT	\$191.25	\$66.94	\$28.69		\$0.00	69421	
Item Notes:										
4	10	2162	Tubing Silicone Medical (3/16" ID x 3/8" OD x 0.094" Wall) #LS15 - 50' roll				\$2.25	\$0.00		
Item Notes:										
5	1	620	Shipping & Handling Charges					\$0.00		
Item Notes: Free Local Delivery and Pick Up										

Printed: 23-Aug-18 17:15

"Rely on FEI!"



Pittsburgh, PA (HQ)
800-393-4009

Atlanta, GA
866-620-6762

Exton, PA
866-648-8607

Houston, TX
866-323-4006

Kansas City, KS
866-580-5499

Minneapolis, MN
866-580-5512

Los Angeles, CA
866-278-2382

Seattle, WA
855-398-5600

Chicago, IL
844-515-9170

Appendix D

Groundwater Monitoring Analytical Reports

September 17, 2018

Christina McClelland
GHD Services, Inc.
20818 44th Ave W
Suite 190
Lynnwood, WA 98036

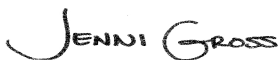
RE: Project: Renton Terminal
Pace Project No.: 10445841

Dear Christina McClelland:

Enclosed are the analytical results for sample(s) received by the laboratory on August 31, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jennifer Gross
jennifer.gross@pacelabs.com
(206)957-2426
Project Manager

Enclosures

cc: Thuan Bui, GHD
Eric Maise, GHD Services Inc.
Accounts Payable, GHD_Conoco Phillips



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: Renton Terminal

Pace Project No.: 10445841

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485

A2LA Certification #: 2926.01

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

CNMI Saipan Certification #: MP0003

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8+Wyoming DW Certification #: via MN 027-053-137

Florida Certification #: E87605

Georgia Certification #: 959

Guam EPA Certification #: MN00064

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: 03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Massachusetts Certification #: M-MN064

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

Minnesota Dept of Ag Certification #: via MN 027-053-137

Minnesota Petrofund Certification #: 1240

Mississippi Certification #: MN00064

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081

New Jersey Certification #: MN002

New York Certification #: 11647

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon NwTPH Certification #: MN300001

Oregon Secondary Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification #: MN00064

South Carolina Certification #: 74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192

Utah Certification #: MN00064

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DW Certification #: 9952 C

West Virginia DEP Certification #: 382

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.

SAMPLE SUMMARY

Project: Renton Terminal

Pace Project No.: 10445841

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10445841001	GW-082818-JRL-MW1	Water	08/28/18 08:25	08/31/18 10:15
10445841002	GW-082818-JRL-MW2	Water	08/28/18 08:55	08/31/18 10:15
10445841003	GW-082818-JRL-MW3	Water	08/28/18 09:30	08/31/18 10:15
10445841004	GW-082818-JRL-MW4	Water	08/28/18 10:10	08/31/18 10:15
10445841005	GW-082818-JRL-MW5	Water	08/28/18 10:55	08/31/18 10:15
10445841006	GW-082818-JRL-MW10	Water	08/28/18 12:40	08/31/18 10:15
10445841007	GW-082818-JRL-D1R	Water	08/28/18 13:20	08/31/18 10:15
10445841008	GW-082818-DT-MW16	Water	08/28/18 08:25	08/31/18 10:15
10445841009	GW-082818-DT-MW13	Water	08/28/18 09:20	08/31/18 10:15
10445841010	GW-082818-DT-MW14	Water	08/28/18 10:20	08/31/18 10:15
10445841011	GW-082818-DT-MW6	Water	08/28/18 11:20	08/31/18 10:15
10445841012	GW-082818-DT-MW12	Water	08/28/18 12:25	08/31/18 10:15
10445841013	GW-082818-DT-MW11	Water	08/28/18 13:25	08/31/18 10:15
10445841014	GW-082818-DT-MW17	Water	08/28/18 14:20	08/31/18 10:15
10445841015	GW-082918-JRL-MW7	Water	08/29/18 08:25	08/31/18 10:15
10445841016	GW-082918-JRL-D4R	Water	08/29/18 09:30	08/31/18 10:15
10445841017	GW-082918-JRL-D5R	Water	08/29/18 10:15	08/31/18 10:15
10445841018	GW-082918-JRL-MW8	Water	08/29/18 11:05	08/31/18 10:15
10445841019	GW-082918-JRL-MW9	Water	08/29/18 12:50	08/31/18 10:15
10445841020	GW-082918-DT-B4	Water	08/29/18 08:15	08/31/18 10:15
10445841021	GW-082918-DT-B6	Water	08/29/18 10:00	08/31/18 10:15
10445841022	GW-082918-DT-MW15	Water	08/29/18 11:05	08/31/18 10:15
10445841023	GW-082918-DT-RWX2	Water	08/29/18 12:45	08/31/18 10:15
10445841024	GW-082918-DT-RWX7	Water	08/29/18 13:50	08/31/18 10:15
10445841025	Dup-1	Water	08/29/18 00:00	08/31/18 10:15
10445841026	Dup-2	Water	08/29/18 00:00	08/31/18 10:15
10445841027	Trip Blank	Water	08/29/18 00:00	08/31/18 10:15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Renton Terminal
Pace Project No.: 10445841

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10445841001	GW-082818-JRL-MW1	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AJR	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10445841002	GW-082818-JRL-MW2	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AJR	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10445841003	GW-082818-JRL-MW3	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AJR	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10445841004	GW-082818-JRL-MW4	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AJR	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10445841005	GW-082818-JRL-MW5	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AJR	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10445841006	GW-082818-JRL-MW10	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10445841007	GW-082818-JRL-D1R	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10445841008	GW-082818-DT-MW16	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10445841009	GW-082818-DT-MW13	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10445841010	GW-082818-DT-MW14	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10445841011	GW-082818-DT-MW6	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10445841012	GW-082818-DT-MW12	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10445841013	GW-082818-DT-MW11	NWTPH-Dx	EC2	4	PASI-M

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SAMPLE ANALYTE COUNT

Project: Renton Terminal

Pace Project No.: 10445841

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10445841014	GW-082818-DT-MW17	NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
		NWTPH-Dx	EC2	4	PASI-M
10445841015	GW-082918-JRL-MW7	NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
		NWTPH-Dx	EC2	4	PASI-M
10445841016	GW-082918-JRL-D4R	NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	GD1	7	PASI-M
		NWTPH-Dx	EC2	4	PASI-M
10445841017	GW-082918-JRL-D5R	NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
		NWTPH-Dx	EC2	4	PASI-M
10445841018	GW-082918-JRL-MW8	NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	GD1	7	PASI-M
		NWTPH-Dx	EC2	4	PASI-M
10445841019	GW-082918-JRL-MW9	NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
		NWTPH-Dx	EC2	4	PASI-M
10445841020	GW-082918-DT-B4	NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
		NWTPH-Dx	EC2	4	PASI-M
10445841021	GW-082918-DT-B6	NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	GD1	7	PASI-M
		NWTPH-Dx	EC2	4	PASI-M
10445841022	GW-082918-DT-MW15	NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
		NWTPH-Dx	EC2	4	PASI-M
10445841023	GW-082918-DT-RWX2	NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
		NWTPH-Dx	EC2	4	PASI-M
10445841024	GW-082918-DT-RWX7	NWTPH-Gx	AJR	2	PASI-M
		EPA 8260B	GD1	7	PASI-M
		NWTPH-Dx	EC2	4	PASI-M
10445841025	Dup-1	NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
		NWTPH-Dx	EC2	4	PASI-M

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SAMPLE ANALYTE COUNT

Project: Renton Terminal

Pace Project No.: 10445841

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10445841026	Dup-2	EPA 8260B	GD1	7	PASI-M
		NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
10445841027	Trip Blank	EPA 8260B	GD1	7	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	DS2	7	PASI-M

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ANALYTICAL RESULTS

Project: Renton Terminal

Pace Project No.: 10445841

Sample: GW-082818-JRL-MW1		Lab ID: 10445841001	Collected: 08/28/18 08:25	Received: 08/31/18 10:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV		Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C						
Diesel Fuel Range	ND	mg/L	0.40	1	09/04/18 08:59	09/08/18 15:58	68334-30-5	
Motor Oil Range	ND	mg/L	0.40	1	09/04/18 08:59	09/08/18 15:58		
Surrogates								
o-Terphenyl (S)	80	%.	50-150	1	09/04/18 08:59	09/08/18 15:58	84-15-1	
n-Triacontane (S)	80	%.	50-150	1	09/04/18 08:59	09/08/18 15:58	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		09/01/18 20:12		
Surrogates								
a,a,a-Trifluorotoluene (S)	86	%.	50-150	1		09/01/18 20:12	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		09/01/18 05:10	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		09/01/18 05:10	100-41-4	
Toluene	ND	ug/L	1.0	1		09/01/18 05:10	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		09/01/18 05:10	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%.	75-125	1		09/01/18 05:10	17060-07-0	
Toluene-d8 (S)	104	%.	75-125	1		09/01/18 05:10	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	75-125	1		09/01/18 05:10	460-00-4	

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ANALYTICAL RESULTS

Project: Renton Terminal

Pace Project No.: 10445841

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: GW-082818-JRL-MW2 Lab ID: 10445841002 Collected: 08/28/18 08:55 Received: 08/31/18 10:15 Matrix: Water								
NWTPH-Dx GCS LV Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C								
Diesel Fuel Range	ND	mg/L	0.39	1	09/04/18 08:59	09/08/18 16:22	68334-30-5	
Motor Oil Range	ND	mg/L	0.39	1	09/04/18 08:59	09/08/18 16:22		
Surrogates								
o-Terphenyl (S)	77	%	50-150	1	09/04/18 08:59	09/08/18 16:22	84-15-1	
n-Triacontane (S)	80	%	50-150	1	09/04/18 08:59	09/08/18 16:22	638-68-6	
NWTPH-Gx GCV Analytical Method: NWTPH-Gx								
TPH as Gas	ND	ug/L	100	1		09/01/18 20:30		
Surrogates								
a,a,a-Trifluorotoluene (S)	90	%	50-150	1		09/01/18 20:30	98-08-8	
8260B MSV UST Analytical Method: EPA 8260B								
Benzene	ND	ug/L	1.0	1		09/01/18 05:28	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		09/01/18 05:28	100-41-4	
Toluene	ND	ug/L	1.0	1		09/01/18 05:28	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		09/01/18 05:28	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	109	%	75-125	1		09/01/18 05:28	17060-07-0	
Toluene-d8 (S)	103	%	75-125	1		09/01/18 05:28	2037-26-5	
4-Bromofluorobenzene (S)	97	%	75-125	1		09/01/18 05:28	460-00-4	

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ANALYTICAL RESULTS

Project: Renton Terminal

Pace Project No.: 10445841

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: GW-082818-JRL-MW3 Lab ID: 10445841003 Collected: 08/28/18 09:30 Received: 08/31/18 10:15 Matrix: Water								
NWTPH-Dx GCS LV Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C								
Diesel Fuel Range	ND	mg/L	0.38	1	09/04/18 08:59	09/08/18 16:33	68334-30-5	
Motor Oil Range	ND	mg/L	0.38	1	09/04/18 08:59	09/08/18 16:33		
Surrogates								
o-Terphenyl (S)	82	%	50-150	1	09/04/18 08:59	09/08/18 16:33	84-15-1	
n-Triacontane (S)	84	%	50-150	1	09/04/18 08:59	09/08/18 16:33	638-68-6	
NWTPH-Gx GCV Analytical Method: NWTPH-Gx								
TPH as Gas	ND	ug/L	100	1		09/01/18 20:47		
Surrogates								
a,a,a-Trifluorotoluene (S)	87	%	50-150	1		09/01/18 20:47	98-08-8	
8260B MSV UST Analytical Method: EPA 8260B								
Benzene	ND	ug/L	1.0	1		09/01/18 05:46	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		09/01/18 05:46	100-41-4	
Toluene	ND	ug/L	1.0	1		09/01/18 05:46	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		09/01/18 05:46	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	109	%	75-125	1		09/01/18 05:46	17060-07-0	
Toluene-d8 (S)	102	%	75-125	1		09/01/18 05:46	2037-26-5	
4-Bromofluorobenzene (S)	98	%	75-125	1		09/01/18 05:46	460-00-4	

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ANALYTICAL RESULTS

Project: Renton Terminal

Pace Project No.: 10445841

Sample: GW-082818-JRL-MW4		Lab ID: 10445841004	Collected: 08/28/18 10:10	Received: 08/31/18 10:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV		Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C						
Diesel Fuel Range	ND	mg/L	0.40	1	09/04/18 08:59	09/08/18 16:45	68334-30-5	
Motor Oil Range	ND	mg/L	0.40	1	09/04/18 08:59	09/08/18 16:45		
Surrogates								
o-Terphenyl (S)	81	%.	50-150	1	09/04/18 08:59	09/08/18 16:45	84-15-1	
n-Triacontane (S)	89	%.	50-150	1	09/04/18 08:59	09/08/18 16:45	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		09/01/18 21:04		
Surrogates								
a,a,a-Trifluorotoluene (S)	89	%.	50-150	1		09/01/18 21:04	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		09/01/18 06:04	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		09/01/18 06:04	100-41-4	
Toluene	ND	ug/L	1.0	1		09/01/18 06:04	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		09/01/18 06:04	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	109	%.	75-125	1		09/01/18 06:04	17060-07-0	
Toluene-d8 (S)	103	%.	75-125	1		09/01/18 06:04	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	75-125	1		09/01/18 06:04	460-00-4	

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ANALYTICAL RESULTS

Project: Renton Terminal

Pace Project No.: 10445841

Sample: GW-082818-JRL-MW5		Lab ID: 10445841005	Collected: 08/28/18 10:55	Received: 08/31/18 10:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV		Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C						
Diesel Fuel Range	ND	mg/L	0.40	1	09/04/18 08:59	09/08/18 16:56	68334-30-5	
Motor Oil Range	ND	mg/L	0.40	1	09/04/18 08:59	09/08/18 16:56		
Surrogates								
o-Terphenyl (S)	70	%	50-150	1	09/04/18 08:59	09/08/18 16:56	84-15-1	
n-Triacontane (S)	67	%	50-150	1	09/04/18 08:59	09/08/18 16:56	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		09/01/18 21:21		
Surrogates								
a,a,a-Trifluorotoluene (S)	89	%	50-150	1		09/01/18 21:21	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		09/01/18 06:22	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		09/01/18 06:22	100-41-4	
Toluene	ND	ug/L	1.0	1		09/01/18 06:22	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		09/01/18 06:22	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	109	%	75-125	1		09/01/18 06:22	17060-07-0	
Toluene-d8 (S)	102	%	75-125	1		09/01/18 06:22	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125	1		09/01/18 06:22	460-00-4	

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ANALYTICAL RESULTS

Project: Renton Terminal

Pace Project No.: 10445841

Sample: GW-082818-JRL-MW10	Lab ID: 10445841006	Collected: 08/28/18 12:40	Received: 08/31/18 10:15	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV		Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C						
Diesel Fuel Range	ND	mg/L	0.39	1	09/04/18 08:59	09/08/18 17:08	68334-30-5	
Motor Oil Range	ND	mg/L	0.39	1	09/04/18 08:59	09/08/18 17:08		
Surrogates								
o-Terphenyl (S)	91	%	50-150	1	09/04/18 08:59	09/08/18 17:08	84-15-1	
n-Triacontane (S)	97	%	50-150	1	09/04/18 08:59	09/08/18 17:08	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		09/05/18 16:33		G-
Surrogates								
a,a,a-Trifluorotoluene (S)	88	%	50-150	1		09/05/18 16:33	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		09/01/18 06:39	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		09/01/18 06:39	100-41-4	
Toluene	ND	ug/L	1.0	1		09/01/18 06:39	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		09/01/18 06:39	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	110	%	75-125	1		09/01/18 06:39	17060-07-0	
Toluene-d8 (S)	103	%	75-125	1		09/01/18 06:39	2037-26-5	
4-Bromofluorobenzene (S)	101	%	75-125	1		09/01/18 06:39	460-00-4	

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ANALYTICAL RESULTS

Project: Renton Terminal

Pace Project No.: 10445841

Sample: GW-082818-JRL-D1R		Lab ID: 10445841007	Collected: 08/28/18 13:20	Received: 08/31/18 10:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV		Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C						
Diesel Fuel Range	0.47	mg/L	0.39	1	09/04/18 08:59	09/08/18 17:20	68334-30-5	
Motor Oil Range	ND	mg/L	0.39	1	09/04/18 08:59	09/08/18 17:20		
Surrogates								
o-Terphenyl (S)	86	%.	50-150	1	09/04/18 08:59	09/08/18 17:20	84-15-1	
n-Triacontane (S)	87	%.	50-150	1	09/04/18 08:59	09/08/18 17:20	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	651	ug/L	100	1		09/05/18 17:08		G+,G-
Surrogates								
a,a,a-Trifluorotoluene (S)	92	%.	50-150	1		09/05/18 17:08	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		09/01/18 06:57	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		09/01/18 06:57	100-41-4	
Toluene	ND	ug/L	1.0	1		09/01/18 06:57	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		09/01/18 06:57	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%.	75-125	1		09/01/18 06:57	17060-07-0	
Toluene-d8 (S)	104	%.	75-125	1		09/01/18 06:57	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	75-125	1		09/01/18 06:57	460-00-4	

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ANALYTICAL RESULTS

Project: Renton Terminal

Pace Project No.: 10445841

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: GW-082818-DT-MW16 Lab ID: 10445841008 Collected: 08/28/18 08:25 Received: 08/31/18 10:15 Matrix: Water								
NWTPH-Dx GCS LV Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C								
Diesel Fuel Range	ND	mg/L	0.40	1	09/04/18 08:59	09/08/18 17:31	68334-30-5	
Motor Oil Range	ND	mg/L	0.40	1	09/04/18 08:59	09/08/18 17:31		
Surrogates								
o-Terphenyl (S)	83	%	50-150	1	09/04/18 08:59	09/08/18 17:31	84-15-1	
n-Triacontane (S)	87	%	50-150	1	09/04/18 08:59	09/08/18 17:31	638-68-6	
NWTPH-Gx GCV Analytical Method: NWTPH-Gx								
TPH as Gas	ND	ug/L	100	1		09/05/18 18:18		
Surrogates								
a,a,a-Trifluorotoluene (S)	86	%	50-150	1		09/05/18 18:18	98-08-8	
8260B MSV UST Analytical Method: EPA 8260B								
Benzene	ND	ug/L	1.0	1		09/01/18 07:15	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		09/01/18 07:15	100-41-4	
Toluene	ND	ug/L	1.0	1		09/01/18 07:15	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		09/01/18 07:15	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	109	%	75-125	1		09/01/18 07:15	17060-07-0	
Toluene-d8 (S)	103	%	75-125	1		09/01/18 07:15	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125	1		09/01/18 07:15	460-00-4	

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ANALYTICAL RESULTS

Project: Renton Terminal

Pace Project No.: 10445841

Sample: GW-082818-DT-MW13		Lab ID: 10445841009	Collected: 08/28/18 09:20	Received: 08/31/18 10:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV		Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C						
Diesel Fuel Range	ND	mg/L	0.42	1	09/04/18 08:59	09/08/18 17:43	68334-30-5	
Motor Oil Range	ND	mg/L	0.42	1	09/04/18 08:59	09/08/18 17:43		
Surrogates								
o-Terphenyl (S)	88	%.	50-150	1	09/04/18 08:59	09/08/18 17:43	84-15-1	
n-Triacontane (S)	88	%.	50-150	1	09/04/18 08:59	09/08/18 17:43	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		09/05/18 18:52		
Surrogates								
a,a,a-Trifluorotoluene (S)	89	%.	50-150	1		09/05/18 18:52	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		09/01/18 07:33	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		09/01/18 07:33	100-41-4	
Toluene	ND	ug/L	1.0	1		09/01/18 07:33	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		09/01/18 07:33	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	110	%.	75-125	1		09/01/18 07:33	17060-07-0	
Toluene-d8 (S)	104	%.	75-125	1		09/01/18 07:33	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125	1		09/01/18 07:33	460-00-4	

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ANALYTICAL RESULTS

Project: Renton Terminal

Pace Project No.: 10445841

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: GW-082818-DT-MW14								
Lab ID: 10445841010								
Collected: 08/28/18 10:20 Received: 08/31/18 10:15 Matrix: Water								
NWTPH-Dx GCS LV								
Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C								
Diesel Fuel Range	2.4	mg/L	0.42	1	09/04/18 08:59	09/08/18 17:55	68334-30-5	
Motor Oil Range	ND	mg/L	0.42	1	09/04/18 08:59	09/08/18 17:55		
Surrogates								
o-Terphenyl (S)	87	%	50-150	1	09/04/18 08:59	09/08/18 17:55	84-15-1	
n-Triacontane (S)	92	%	50-150	1	09/04/18 08:59	09/08/18 17:55	638-68-6	
NWTPH-Gx GCV								
Analytical Method: NWTPH-Gx								
TPH as Gas	58700	ug/L	20000	200		09/05/18 23:28		G+,G-
Surrogates								
a,a,a-Trifluorotoluene (S)	85	%	50-150	200		09/05/18 23:28	98-08-8	
8260B MSV UST								
Analytical Method: EPA 8260B								
Benzene	15500	ug/L	200	200		09/05/18 00:42	71-43-2	
Ethylbenzene	1850	ug/L	200	200		09/05/18 00:42	100-41-4	
Toluene	4960	ug/L	200	200		09/05/18 00:42	108-88-3	
Xylene (Total)	8860	ug/L	600	200		09/05/18 00:42	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	75-125	200		09/05/18 00:42	17060-07-0	
Toluene-d8 (S)	102	%	75-125	200		09/05/18 00:42	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125	200		09/05/18 00:42	460-00-4	

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ANALYTICAL RESULTS

Project: Renton Terminal

Pace Project No.: 10445841

Sample: GW-082818-DT-MW6		Lab ID: 10445841011		Collected: 08/28/18 11:20	Received: 08/31/18 10:15	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV		Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C						
Diesel Fuel Range	ND	mg/L	0.42	1	09/04/18 08:59	09/08/18 18:06	68334-30-5	
Motor Oil Range	ND	mg/L	0.42	1	09/04/18 08:59	09/08/18 18:06		
Surrogates								
o-Terphenyl (S)	82	%.	50-150	1	09/04/18 08:59	09/08/18 18:06	84-15-1	
n-Triacontane (S)	75	%.	50-150	1	09/04/18 08:59	09/08/18 18:06	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		09/05/18 19:10		G-
Surrogates								
a,a,a-Trifluorotoluene (S)	88	%.	50-150	1		09/05/18 19:10	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		09/01/18 07:51	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		09/01/18 07:51	100-41-4	
Toluene	ND	ug/L	1.0	1		09/01/18 07:51	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		09/01/18 07:51	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%.	75-125	1		09/01/18 07:51	17060-07-0	
Toluene-d8 (S)	105	%.	75-125	1		09/01/18 07:51	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125	1		09/01/18 07:51	460-00-4	

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ANALYTICAL RESULTS

Project: Renton Terminal

Pace Project No.: 10445841

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: GW-082818-DT-MW12 Lab ID: 10445841012 Collected: 08/28/18 12:25 Received: 08/31/18 10:15 Matrix: Water								
NWTPH-Dx GCS LV Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C								
Diesel Fuel Range	ND	mg/L	0.40	1	09/04/18 08:59	09/08/18 18:18	68334-30-5	
Motor Oil Range	ND	mg/L	0.40	1	09/04/18 08:59	09/08/18 18:18		
Surrogates								
o-Terphenyl (S)	83	%	50-150	1	09/04/18 08:59	09/08/18 18:18	84-15-1	
n-Triacontane (S)	78	%	50-150	1	09/04/18 08:59	09/08/18 18:18	638-68-6	
NWTPH-Gx GCV Analytical Method: NWTPH-Gx								
TPH as Gas	ND	ug/L	100	1		09/05/18 19:27		
Surrogates								
a,a,a-Trifluorotoluene (S)	87	%	50-150	1		09/05/18 19:27	98-08-8	
8260B MSV UST Analytical Method: EPA 8260B								
Benzene	ND	ug/L	1.0	1		09/01/18 08:08	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		09/01/18 08:08	100-41-4	
Toluene	ND	ug/L	1.0	1		09/01/18 08:08	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		09/01/18 08:08	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	108	%	75-125	1		09/01/18 08:08	17060-07-0	
Toluene-d8 (S)	102	%	75-125	1		09/01/18 08:08	2037-26-5	
4-Bromofluorobenzene (S)	98	%	75-125	1		09/01/18 08:08	460-00-4	

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ANALYTICAL RESULTS

Project: Renton Terminal

Pace Project No.: 10445841

Sample: GW-082818-DT-MW11		Lab ID: 10445841013		Collected: 08/28/18 13:25	Received: 08/31/18 10:15	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV		Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C						
Diesel Fuel Range	ND	mg/L	0.40	1	09/04/18 08:59	09/08/18 18:30	68334-30-5	
Motor Oil Range	ND	mg/L	0.40	1	09/04/18 08:59	09/08/18 18:30		
Surrogates								
o-Terphenyl (S)	87	%	50-150	1	09/04/18 08:59	09/08/18 18:30	84-15-1	
n-Triacontane (S)	81	%	50-150	1	09/04/18 08:59	09/08/18 18:30	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	182	ug/L	100	1		09/05/18 19:44		G-
Surrogates								
a,a,a-Trifluorotoluene (S)	87	%	50-150	1		09/05/18 19:44	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		09/01/18 08:26	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		09/01/18 08:26	100-41-4	
Toluene	ND	ug/L	1.0	1		09/01/18 08:26	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		09/01/18 08:26	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%	75-125	1		09/01/18 08:26	17060-07-0	
Toluene-d8 (S)	102	%	75-125	1		09/01/18 08:26	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125	1		09/01/18 08:26	460-00-4	

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ANALYTICAL RESULTS

Project: Renton Terminal

Pace Project No.: 10445841

Sample: GW-082818-DT-MW17		Lab ID: 10445841014		Collected: 08/28/18 14:20	Received: 08/31/18 10:15	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV		Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C						
Diesel Fuel Range	ND	mg/L	0.41	1	09/04/18 08:59	09/08/18 18:41	68334-30-5	
Motor Oil Range	ND	mg/L	0.41	1	09/04/18 08:59	09/08/18 18:41		
Surrogates								
o-Terphenyl (S)	79	%	50-150	1	09/04/18 08:59	09/08/18 18:41	84-15-1	
n-Triacontane (S)	79	%	50-150	1	09/04/18 08:59	09/08/18 18:41	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		09/05/18 20:02		
Surrogates								
a,a,a-Trifluorotoluene (S)	90	%	50-150	1		09/05/18 20:02	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		09/01/18 08:44	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		09/01/18 08:44	100-41-4	
Toluene	ND	ug/L	1.0	1		09/01/18 08:44	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		09/01/18 08:44	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	110	%	75-125	1		09/01/18 08:44	17060-07-0	
Toluene-d8 (S)	102	%	75-125	1		09/01/18 08:44	2037-26-5	
4-Bromofluorobenzene (S)	97	%	75-125	1		09/01/18 08:44	460-00-4	

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ANALYTICAL RESULTS

Project: Renton Terminal

Pace Project No.: 10445841

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: GW-082918-JRL-MW7 Lab ID: 10445841015 Collected: 08/29/18 08:25 Received: 08/31/18 10:15 Matrix: Water								
NWTPH-Dx GCS LV Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C								
Diesel Fuel Range	1.8	mg/L	0.39	1	09/05/18 12:31	09/14/18 18:10	68334-30-5	
Motor Oil Range	ND	mg/L	0.39	1	09/05/18 12:31	09/14/18 18:10		
Surrogates								
o-Terphenyl (S)	91	%	50-150	1	09/05/18 12:31	09/14/18 18:10	84-15-1	
n-Triacontane (S)	92	%	50-150	1	09/05/18 12:31	09/14/18 18:10	638-68-6	
NWTPH-Gx GCV Analytical Method: NWTPH-Gx								
TPH as Gas	19400	ug/L	1000	10		09/05/18 21:11		G-
Surrogates								
a,a,a-Trifluorotoluene (S)	94	%	50-150	10		09/05/18 21:11	98-08-8	
8260B MSV UST Analytical Method: EPA 8260B								
Benzene	4640	ug/L	25.0	25		09/10/18 12:30	71-43-2	M1
Ethylbenzene	1070	ug/L	10.0	10		09/10/18 10:48	100-41-4	
Toluene	1440	ug/L	10.0	10		09/10/18 10:48	108-88-3	
Xylene (Total)	2400	ug/L	30.0	10		09/10/18 10:48	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	90	%	75-125	10		09/10/18 10:48	17060-07-0	
Toluene-d8 (S)	99	%	75-125	10		09/10/18 10:48	2037-26-5	
4-Bromofluorobenzene (S)	101	%	75-125	10		09/10/18 10:48	460-00-4	

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ANALYTICAL RESULTS

Project: Renton Terminal

Pace Project No.: 10445841

Sample: GW-082918-JRL-D4R		Lab ID: 10445841016		Collected: 08/29/18 09:30	Received: 08/31/18 10:15	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV		Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C						
Diesel Fuel Range	ND	mg/L	0.39	1	09/05/18 12:31	09/14/18 18:45	68334-30-5	
Motor Oil Range	ND	mg/L	0.39	1	09/05/18 12:31	09/14/18 18:45		
Surrogates								
o-Terphenyl (S)	84	%.	50-150	1	09/05/18 12:31	09/14/18 18:45	84-15-1	
n-Triacontane (S)	78	%.	50-150	1	09/05/18 12:31	09/14/18 18:45	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		09/05/18 22:19		
Surrogates								
a,a,a-Trifluorotoluene (S)	91	%.	50-150	1		09/05/18 22:19	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		09/04/18 22:56	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		09/04/18 22:56	100-41-4	
Toluene	ND	ug/L	1.0	1		09/04/18 22:56	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		09/04/18 22:56	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	109	%.	75-125	1		09/04/18 22:56	17060-07-0	
Toluene-d8 (S)	102	%.	75-125	1		09/04/18 22:56	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	75-125	1		09/04/18 22:56	460-00-4	

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ANALYTICAL RESULTS

Project: Renton Terminal

Pace Project No.: 10445841

Sample: GW-082918-JRL-D5R		Lab ID: 10445841017		Collected: 08/29/18 10:15	Received: 08/31/18 10:15	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV		Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C						
Diesel Fuel Range	ND	mg/L	0.39	1	09/05/18 12:31	09/14/18 18:56	68334-30-5	
Motor Oil Range	ND	mg/L	0.39	1	09/05/18 12:31	09/14/18 18:56		
Surrogates								
o-Terphenyl (S)	86	%.	50-150	1	09/05/18 12:31	09/14/18 18:56	84-15-1	
n-Triacontane (S)	82	%.	50-150	1	09/05/18 12:31	09/14/18 18:56	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	306	ug/L	100	1		09/05/18 22:37		G-
Surrogates								
a,a,a-Trifluorotoluene (S)	95	%.	50-150	1		09/05/18 22:37	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		09/11/18 00:39	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		09/11/18 00:39	100-41-4	
Toluene	ND	ug/L	1.0	1		09/11/18 00:39	108-88-3	
Xylene (Total)	4.1	ug/L	3.0	1		09/11/18 00:39	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%.	75-125	1		09/11/18 00:39	17060-07-0	
Toluene-d8 (S)	98	%.	75-125	1		09/11/18 00:39	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	75-125	1		09/11/18 00:39	460-00-4	

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ANALYTICAL RESULTS

Project: Renton Terminal

Pace Project No.: 10445841

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: GW-082918-JRL-MW8 Lab ID: 10445841018 Collected: 08/29/18 11:05 Received: 08/31/18 10:15 Matrix: Water								
NWTPH-Dx GCS LV Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C								
Diesel Fuel Range	0.84	mg/L	0.39	1	09/05/18 12:31	09/14/18 19:08	68334-30-5	
Motor Oil Range	ND	mg/L	0.39	1	09/05/18 12:31	09/14/18 19:08		
Surrogates								
o-Terphenyl (S)	85	%	50-150	1	09/05/18 12:31	09/14/18 19:08	84-15-1	
n-Triacontane (S)	81	%	50-150	1	09/05/18 12:31	09/14/18 19:08	638-68-6	
NWTPH-Gx GCV Analytical Method: NWTPH-Gx								
TPH as Gas	1250	ug/L	100	1		09/05/18 22:54		G+,G-
Surrogates								
a,a,a-Trifluorotoluene (S)	92	%	50-150	1		09/05/18 22:54	98-08-8	
8260B MSV UST Analytical Method: EPA 8260B								
Benzene	194	ug/L	1.0	1		09/05/18 16:23	71-43-2	
Ethylbenzene	8.5	ug/L	1.0	1		09/05/18 16:23	100-41-4	
Toluene	4.1	ug/L	1.0	1		09/05/18 16:23	108-88-3	
Xylene (Total)	10.6	ug/L	3.0	1		09/05/18 16:23	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	109	%	75-125	1		09/05/18 16:23	17060-07-0	
Toluene-d8 (S)	100	%	75-125	1		09/05/18 16:23	2037-26-5	
4-Bromofluorobenzene (S)	97	%	75-125	1		09/05/18 16:23	460-00-4	

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ANALYTICAL RESULTS

Project: Renton Terminal

Pace Project No.: 10445841

Sample: GW-082918-JRL-MW9	Lab ID: 10445841019	Collected: 08/29/18 12:50	Received: 08/31/18 10:15	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV		Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C						
Diesel Fuel Range	0.96	mg/L	0.42	1	09/05/18 12:31	09/14/18 19:19	68334-30-5	
Motor Oil Range	ND	mg/L	0.42	1	09/05/18 12:31	09/14/18 19:19		
Surrogates								
o-Terphenyl (S)	81	%.	50-150	1	09/05/18 12:31	09/14/18 19:19	84-15-1	
n-Triacontane (S)	72	%.	50-150	1	09/05/18 12:31	09/14/18 19:19	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	1230	ug/L	100	1		09/05/18 23:11		G+,G-
Surrogates								
a,a,a-Trifluorotoluene (S)	93	%.	50-150	1		09/05/18 23:11	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	27.9	ug/L	1.0	1		09/05/18 16:41	71-43-2	
Ethylbenzene	1.7	ug/L	1.0	1		09/05/18 16:41	100-41-4	
Toluene	ND	ug/L	1.0	1		09/05/18 16:41	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		09/05/18 16:41	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	110	%.	75-125	1		09/05/18 16:41	17060-07-0	
Toluene-d8 (S)	100	%.	75-125	1		09/05/18 16:41	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	75-125	1		09/05/18 16:41	460-00-4	

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ANALYTICAL RESULTS

Project: Renton Terminal

Pace Project No.: 10445841

Sample: GW-082918-DT-B4		Lab ID: 10445841020	Collected: 08/29/18 08:15	Received: 08/31/18 10:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV		Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C						
Diesel Fuel Range	10.6	mg/L	0.43	1	09/05/18 12:31	09/14/18 19:30	68334-30-5	
Motor Oil Range	0.81	mg/L	0.43	1	09/05/18 12:31	09/14/18 19:30		
Surrogates								
o-Terphenyl (S)	91	%.	50-150	1	09/05/18 12:31	09/14/18 19:30	84-15-1	
n-Triacontane (S)	82	%.	50-150	1	09/05/18 12:31	09/14/18 19:30	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	4870	ug/L	100	1		09/05/18 20:19		G+,G-
Surrogates								
a,a,a-Trifluorotoluene (S)	102	%.	50-150	1		09/05/18 20:19	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	133	ug/L	1.0	1		09/05/18 17:51	71-43-2	
Ethylbenzene	164	ug/L	1.0	1		09/05/18 17:51	100-41-4	
Toluene	5.4	ug/L	1.0	1		09/05/18 17:51	108-88-3	
Xylene (Total)	6.7	ug/L	3.0	1		09/05/18 17:51	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	105	%.	75-125	1		09/05/18 17:51	17060-07-0	
Toluene-d8 (S)	102	%.	75-125	1		09/05/18 17:51	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125	1		09/05/18 17:51	460-00-4	

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ANALYTICAL RESULTS

Project: Renton Terminal

Pace Project No.: 10445841

Sample: GW-082918-DT-B6		Lab ID: 10445841021	Collected: 08/29/18 10:00	Received: 08/31/18 10:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV		Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C						
Diesel Fuel Range	4.6	mg/L	0.45	1	09/05/18 12:31	09/14/18 19:42	68334-30-5	
Motor Oil Range	1.5	mg/L	0.45	1	09/05/18 12:31	09/14/18 19:42		
Surrogates								
o-Terphenyl (S)	96	%.	50-150	1	09/05/18 12:31	09/14/18 19:42	84-15-1	
n-Triacontane (S)	89	%.	50-150	1	09/05/18 12:31	09/14/18 19:42	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	4480	ug/L	100	1		09/05/18 06:18		G+,G-
Surrogates								
a,a,a-Trifluorotoluene (S)	110	%.	50-150	1		09/05/18 06:18	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	886	ug/L	5.0	5		09/10/18 17:35	71-43-2	
Ethylbenzene	242	ug/L	5.0	5		09/10/18 17:35	100-41-4	
Toluene	9.5	ug/L	5.0	5		09/10/18 17:35	108-88-3	
Xylene (Total)	77.1	ug/L	15.0	5		09/10/18 17:35	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	95	%.	75-125	5		09/10/18 17:35	17060-07-0	
Toluene-d8 (S)	100	%.	75-125	5		09/10/18 17:35	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	75-125	5		09/10/18 17:35	460-00-4	

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ANALYTICAL RESULTS

Project: Renton Terminal

Pace Project No.: 10445841

Sample: GW-082918-DT-MW15		Lab ID: 10445841022	Collected: 08/29/18 11:05	Received: 08/31/18 10:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV		Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C						
Diesel Fuel Range	0.51	mg/L	0.40	1	09/05/18 12:31	09/14/18 19:53	68334-30-5	
Motor Oil Range	ND	mg/L	0.40	1	09/05/18 12:31	09/14/18 19:53		
Surrogates								
o-Terphenyl (S)	91	%.	50-150	1	09/05/18 12:31	09/14/18 19:53	84-15-1	
n-Triacontane (S)	85	%.	50-150	1	09/05/18 12:31	09/14/18 19:53	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	395	ug/L	100	1		09/05/18 08:52		G+,G-
Surrogates								
a,a,a-Trifluorotoluene (S)	88	%.	50-150	1		09/05/18 08:52	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	47.4	ug/L	1.0	1		09/05/18 16:58	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		09/05/18 16:58	100-41-4	
Toluene	ND	ug/L	1.0	1		09/05/18 16:58	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		09/05/18 16:58	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	108	%.	75-125	1		09/05/18 16:58	17060-07-0	
Toluene-d8 (S)	100	%.	75-125	1		09/05/18 16:58	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125	1		09/05/18 16:58	460-00-4	

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ANALYTICAL RESULTS

Project: Renton Terminal

Pace Project No.: 10445841

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: GW-082918-DT-RWX2 Lab ID: 10445841023 Collected: 08/29/18 12:45 Received: 08/31/18 10:15 Matrix: Water								
NWTPH-Dx GCS LV Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C								
Diesel Fuel Range	1.7	mg/L	0.43	1	09/05/18 12:31	09/14/18 20:05	68334-30-5	
Motor Oil Range	ND	mg/L	0.43	1	09/05/18 12:31	09/14/18 20:05		
Surrogates								
o-Terphenyl (S)	91	%	50-150	1	09/05/18 12:31	09/14/18 20:05	84-15-1	
n-Triacontane (S)	74	%	50-150	1	09/05/18 12:31	09/14/18 20:05	638-68-6	
NWTPH-Gx GCV Analytical Method: NWTPH-Gx								
TPH as Gas	12900	ug/L	1000	10		09/11/18 05:07		G-
Surrogates								
a,a,a-Trifluorotoluene (S)	91	%	50-150	10		09/11/18 05:07	98-08-8	
8260B MSV UST Analytical Method: EPA 8260B								
Benzene	1190	ug/L	10.0	10		09/10/18 17:52	71-43-2	
Ethylbenzene	222	ug/L	10.0	10		09/10/18 17:52	100-41-4	
Toluene	2700	ug/L	20.0	20		09/11/18 14:15	108-88-3	
Xylene (Total)	1060	ug/L	30.0	10		09/10/18 17:52	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%	75-125	10		09/10/18 17:52	17060-07-0	
Toluene-d8 (S)	100	%	75-125	10		09/10/18 17:52	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125	10		09/10/18 17:52	460-00-4	

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ANALYTICAL RESULTS

Project: Renton Terminal

Pace Project No.: 10445841

Sample: GW-082918-DT-RWX7		Lab ID: 10445841024	Collected: 08/29/18 13:50	Received: 08/31/18 10:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV		Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C						
Diesel Fuel Range	0.96	mg/L	0.40	1	09/05/18 12:31	09/14/18 20:16	68334-30-5	
Motor Oil Range	ND	mg/L	0.40	1	09/05/18 12:31	09/14/18 20:16		
Surrogates								
o-Terphenyl (S)	87	%.	50-150	1	09/05/18 12:31	09/14/18 20:16	84-15-1	
n-Triacontane (S)	82	%.	50-150	1	09/05/18 12:31	09/14/18 20:16	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	2540	ug/L	100	1		09/05/18 06:52		G+,G-
Surrogates								
a,a,a-Trifluorotoluene (S)	100	%.	50-150	1		09/05/18 06:52	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	290	ug/L	2.0	2		09/12/18 14:13	71-43-2	
Ethylbenzene	31.1	ug/L	2.0	2		09/12/18 14:13	100-41-4	
Toluene	263	ug/L	2.0	2		09/12/18 14:13	108-88-3	
Xylene (Total)	87.3	ug/L	6.0	2		09/12/18 14:13	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	90	%.	75-125	2		09/12/18 14:13	17060-07-0	
Toluene-d8 (S)	96	%.	75-125	2		09/12/18 14:13	2037-26-5	
4-Bromofluorobenzene (S)	94	%.	75-125	2		09/12/18 14:13	460-00-4	

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ANALYTICAL RESULTS

Project: Renton Terminal

Pace Project No.: 10445841

Sample: Dup-1		Lab ID: 10445841025		Collected: 08/29/18 00:00	Received: 08/31/18 10:15	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV		Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C						
Diesel Fuel Range	ND	mg/L	0.44	1	09/05/18 12:31	09/14/18 20:28	68334-30-5	
Motor Oil Range	ND	mg/L	0.44	1	09/05/18 12:31	09/14/18 20:28		
Surrogates								
o-Terphenyl (S)	91	%.	50-150	1	09/05/18 12:31	09/14/18 20:28	84-15-1	
n-Triacontane (S)	88	%.	50-150	1	09/05/18 12:31	09/14/18 20:28	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	296	ug/L	100	1		09/05/18 07:26		G+,G-
Surrogates								
a,a,a-Trifluorotoluene (S)	95	%.	50-150	1		09/05/18 07:26	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		09/10/18 17:01	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		09/10/18 17:01	100-41-4	
Toluene	ND	ug/L	1.0	1		09/10/18 17:01	108-88-3	
Xylene (Total)	4.2	ug/L	3.0	1		09/10/18 17:01	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%.	75-125	1		09/10/18 17:01	17060-07-0	
Toluene-d8 (S)	99	%.	75-125	1		09/10/18 17:01	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	75-125	1		09/10/18 17:01	460-00-4	

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ANALYTICAL RESULTS

Project: Renton Terminal

Pace Project No.: 10445841

Sample: Dup-2		Lab ID: 10445841026	Collected: 08/29/18 00:00	Received: 08/31/18 10:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV		Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C						
Diesel Fuel Range	0.43	mg/L	0.40	1	09/05/18 12:31	09/14/18 20:39	68334-30-5	
Motor Oil Range	ND	mg/L	0.40	1	09/05/18 12:31	09/14/18 20:39		
Surrogates								
o-Terphenyl (S)	75	%.	50-150	1	09/05/18 12:31	09/14/18 20:39	84-15-1	
n-Triacontane (S)	71	%.	50-150	1	09/05/18 12:31	09/14/18 20:39	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	443	ug/L	100	1		09/05/18 07:43		G+,G-
Surrogates								
a,a,a-Trifluorotoluene (S)	90	%.	50-150	1		09/05/18 07:43	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	53.3	ug/L	1.0	1		09/10/18 17:18	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		09/10/18 17:18	100-41-4	
Toluene	ND	ug/L	1.0	1		09/10/18 17:18	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		09/10/18 17:18	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%.	75-125	1		09/10/18 17:18	17060-07-0	
Toluene-d8 (S)	99	%.	75-125	1		09/10/18 17:18	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	75-125	1		09/10/18 17:18	460-00-4	

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ANALYTICAL RESULTS

Project: Renton Terminal

Pace Project No.: 10445841

Sample: Trip Blank		Lab ID: 10445841027	Collected: 08/29/18 00:00	Received: 08/31/18 10:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		09/05/18 06:00		
Surrogates								
a,a,a-Trifluorotoluene (S)	86	%.	50-150	1		09/05/18 06:00	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		09/05/18 21:05	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		09/05/18 21:05	100-41-4	
Toluene	ND	ug/L	1.0	1		09/05/18 21:05	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		09/05/18 21:05	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	104	%.	75-125	1		09/05/18 21:05	17060-07-0	
Toluene-d8 (S)	101	%.	75-125	1		09/05/18 21:05	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	75-125	1		09/05/18 21:05	460-00-4	

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QUALITY CONTROL DATA

Project: Renton Terminal
Pace Project No.: 10445841

QC Batch: 560399 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Water
Associated Lab Samples: 10445841001, 10445841002, 10445841003, 10445841004, 10445841005

METHOD BLANK: 3042828 Matrix: Water
Associated Lab Samples: 10445841001, 10445841002, 10445841003, 10445841004, 10445841005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	09/01/18 13:15	
a,a,a-Trifluorotoluene (S)	%.	89	50-150	09/01/18 13:15	

METHOD BLANK: 3042829 Matrix: Water
Associated Lab Samples: 10445841001, 10445841002, 10445841003, 10445841004, 10445841005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	09/01/18 13:32	
a,a,a-Trifluorotoluene (S)	%.	90	50-150	09/01/18 13:32	

LABORATORY CONTROL SAMPLE & LCSD: 3042830 3042831

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	1060	1030	106	103	41-137	3	20	
a,a,a-Trifluorotoluene (S)	%.				95	95	50-150			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3042862 3042863

Parameter	Units	10445715004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH as Gas	ug/L	ND	1000	1000	1020	1010	102	101	30-145	1	30	
a,a,a-Trifluorotoluene (S)	%.						94	92	50-150			

SAMPLE DUPLICATE: 3042864

Parameter	Units	10445715005 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	ND	ND		30	
a,a,a-Trifluorotoluene (S)	%.	90	91	1		

SAMPLE DUPLICATE: 3042865

Parameter	Units	10445715006 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	ND	ND		30	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: Renton Terminal
Pace Project No.: 10445841

SAMPLE DUPLICATE: 3042865

Parameter	Units	10445715006 Result	Dup Result	RPD	Max RPD	Qualifiers
a,a,a-Trifluorotoluene (S)	%.	90	94	5		

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QUALITY CONTROL DATA

Project: Renton Terminal

Pace Project No.: 10445841

QC Batch: 560694 Analysis Method: NWTPH-Gx
 QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Water
 Associated Lab Samples: 10445841006, 10445841007, 10445841008, 10445841009, 10445841010, 10445841011, 10445841012, 10445841013, 10445841014, 10445841015, 10445841016, 10445841017, 10445841018, 10445841019, 10445841020

METHOD BLANK: 3043992 Matrix: Water
 Associated Lab Samples: 10445841006, 10445841007, 10445841008, 10445841009, 10445841010, 10445841011, 10445841012, 10445841013, 10445841014, 10445841015, 10445841016, 10445841017, 10445841018, 10445841019, 10445841020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	09/05/18 14:49	
a,a,a-Trifluorotoluene (S)	%	89	50-150	09/05/18 14:49	

METHOD BLANK: 3043993 Matrix: Water
 Associated Lab Samples: 10445841006, 10445841007, 10445841008, 10445841009, 10445841010, 10445841011, 10445841012, 10445841013, 10445841014, 10445841015, 10445841016, 10445841017, 10445841018, 10445841019, 10445841020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	09/05/18 15:07	
a,a,a-Trifluorotoluene (S)	%	90	50-150	09/05/18 15:07	

LABORATORY CONTROL SAMPLE & LCSD: 3043994 3043995

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	1050	1040	105	104	41-137	1	20	
a,a,a-Trifluorotoluene (S)	%				95	92	50-150			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3043996 3043997

Parameter	Units	10445841015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH as Gas	ug/L	19400	10000	10000	30100	29900	106	105	30-145	1	30	
a,a,a-Trifluorotoluene (S)	%						96	96	50-150			

SAMPLE DUPLICATE: 3045022

Parameter	Units	10445841006 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	ND	ND		30	G-
a,a,a-Trifluorotoluene (S)	%	88	86	3		

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QUALITY CONTROL DATA

Project: Renton Terminal

Pace Project No.: 10445841

SAMPLE DUPLICATE: 3045023

Parameter	Units	10445841008 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	ND	ND		30	
a,a,a-Trifluorotoluene (S)	%.	86	87	1		

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QUALITY CONTROL DATA

Project: Renton Terminal
Pace Project No.: 10445841

QC Batch: 560696 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Water
Associated Lab Samples: 10445841021, 10445841022, 10445841024, 10445841025, 10445841026, 10445841027

METHOD BLANK: 3044008 Matrix: Water
Associated Lab Samples: 10445841021, 10445841022, 10445841024, 10445841025, 10445841026, 10445841027

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	09/05/18 05:43	
a,a,a-Trifluorotoluene (S)	%.	90	50-150	09/05/18 05:43	

LABORATORY CONTROL SAMPLE & LCSD: 3044009 3044010

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	950	1030	95	103	41-137	8	20	
a,a,a-Trifluorotoluene (S)	%.				93	93	50-150			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3044034 3044035

Parameter	Units	10445841022 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH as Gas	ug/L	395	1000	1000	1340	1440	95	105	30-145	7	30	
a,a,a-Trifluorotoluene (S)	%.						95	92	50-150			

SAMPLE DUPLICATE: 3044036

Parameter	Units	10445841024 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	2540	2550	0	30	G+,G-
a,a,a-Trifluorotoluene (S)	%.	100	100	0		

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QUALITY CONTROL DATA

Project: Renton Terminal
Pace Project No.: 10445841

QC Batch: 561769 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Water
Associated Lab Samples: 10445841023

METHOD BLANK: 3049408 Matrix: Water
Associated Lab Samples: 10445841023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	09/10/18 20:59	
a,a,a-Trifluorotoluene (S)	%.	93	50-150	09/10/18 20:59	

METHOD BLANK: 3049409 Matrix: Water
Associated Lab Samples: 10445841023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	09/10/18 21:17	
a,a,a-Trifluorotoluene (S)	%.	100	50-150	09/10/18 21:17	

LABORATORY CONTROL SAMPLE & LCSD: 3049410 3049411

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	1030	1000	103	100	41-137	3	20	
a,a,a-Trifluorotoluene (S)	%.				101	98	50-150			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3049829 3049830

Parameter	Units	10446292001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH as Gas	ug/L	ND	1000	1000	1150	1110	114	110	30-145	4	30	
a,a,a-Trifluorotoluene (S)	%.						107	101	50-150			

SAMPLE DUPLICATE: 3049831

Parameter	Units	10446292005 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	181	104	54	30	D6,G-
a,a,a-Trifluorotoluene (S)	%.	97	94	4		

SAMPLE DUPLICATE: 3049832

Parameter	Units	10446455002 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: Renton Terminal
Pace Project No.: 10445841

SAMPLE DUPLICATE: 3049832

Parameter	Units	10446455002 Result	Dup Result	RPD	Max RPD	Qualifiers
a,a,a-Trifluorotoluene (S)	%.	97	88	9		

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QUALITY CONTROL DATA

Project: Renton Terminal
Pace Project No.: 10445841

QC Batch: 560352 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV UST-WATER
Associated Lab Samples: 10445841001, 10445841002, 10445841003, 10445841004

METHOD BLANK: 3042222 Matrix: Water
Associated Lab Samples: 10445841001, 10445841002, 10445841003, 10445841004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	08/31/18 23:51	
Ethylbenzene	ug/L	ND	1.0	08/31/18 23:51	
Toluene	ug/L	ND	1.0	08/31/18 23:51	
Xylene (Total)	ug/L	ND	3.0	08/31/18 23:51	
1,2-Dichloroethane-d4 (S)	%	107	75-125	08/31/18 23:51	
4-Bromofluorobenzene (S)	%	102	75-125	08/31/18 23:51	
Toluene-d8 (S)	%	103	75-125	08/31/18 23:51	

LABORATORY CONTROL SAMPLE: 3042223

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	19.2	96	75-126	
Ethylbenzene	ug/L	20	19.9	100	75-125	
Toluene	ug/L	20	19.8	99	74-125	
Xylene (Total)	ug/L	60	63.7	106	75-125	
1,2-Dichloroethane-d4 (S)	%			101	75-125	
4-Bromofluorobenzene (S)	%			99	75-125	
Toluene-d8 (S)	%			103	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3042224 3042225

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		10445574003 Result	Spike Conc.	Spike Conc.	MS Result						
Benzene	ug/L	<0.10	20	20	18.8	18.4	94	92	62-140	2	30
Ethylbenzene	ug/L	<0.14	20	20	19.3	19.3	96	96	75-131	0	30
Toluene	ug/L	0.10J	20	20	18.9	18.7	94	93	68-132	1	30
Xylene (Total)	ug/L	<0.31	60	60	60.4	60.8	101	101	69-135	1	30
1,2-Dichloroethane-d4 (S)	%						103	102	75-125		
4-Bromofluorobenzene (S)	%						99	99	75-125		
Toluene-d8 (S)	%						104	103	75-125		

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QUALITY CONTROL DATA

Project: Renton Terminal
Pace Project No.: 10445841

QC Batch: 560359 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV UST-WATER
Associated Lab Samples: 10445841005, 10445841006, 10445841007, 10445841008, 10445841009, 10445841011, 10445841012, 10445841013, 10445841014

METHOD BLANK: 3042262 Matrix: Water
Associated Lab Samples: 10445841005, 10445841006, 10445841007, 10445841008, 10445841009, 10445841011, 10445841012, 10445841013, 10445841014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	08/31/18 23:33	
Ethylbenzene	ug/L	ND	1.0	08/31/18 23:33	
Toluene	ug/L	ND	1.0	08/31/18 23:33	
Xylene (Total)	ug/L	ND	3.0	08/31/18 23:33	
1,2-Dichloroethane-d4 (S)	%	107	75-125	08/31/18 23:33	
4-Bromofluorobenzene (S)	%	99	75-125	08/31/18 23:33	
Toluene-d8 (S)	%	103	75-125	08/31/18 23:33	

LABORATORY CONTROL SAMPLE: 3042263

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	17.5	88	75-126	
Ethylbenzene	ug/L	20	18.3	92	75-125	
Toluene	ug/L	20	17.6	88	74-125	
Xylene (Total)	ug/L	60	58.6	98	75-125	
1,2-Dichloroethane-d4 (S)	%			102	75-125	
4-Bromofluorobenzene (S)	%			100	75-125	
Toluene-d8 (S)	%			103	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3042264 3042265

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		10445738003 Result	Spike Conc.	Spike Conc.	MS Result						
Benzene	ug/L	<0.10	20	20	18.2	18.0	91	90	62-140	1	30
Ethylbenzene	ug/L	<0.14	20	20	18.8	18.9	94	94	75-131	0	30
Toluene	ug/L	0.11J	20	20	18.5	18.5	92	92	68-132	0	30
Xylene (Total)	ug/L	<0.31	60	60	60.4	60.1	101	100	69-135	0	30
1,2-Dichloroethane-d4 (S)	%						102	102	75-125		
4-Bromofluorobenzene (S)	%						97	99	75-125		
Toluene-d8 (S)	%						102	103	75-125		

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QUALITY CONTROL DATA

Project: Renton Terminal
Pace Project No.: 10445841

QC Batch: 560544 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV UST-WATER
Associated Lab Samples: 10445841010, 10445841016

METHOD BLANK: 3043368 Matrix: Water
Associated Lab Samples: 10445841010, 10445841016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	09/04/18 19:06	
Ethylbenzene	ug/L	ND	1.0	09/04/18 19:06	
Toluene	ug/L	ND	1.0	09/04/18 19:06	
Xylene (Total)	ug/L	ND	3.0	09/04/18 19:06	
1,2-Dichloroethane-d4 (S)	%	108	75-125	09/04/18 19:06	
4-Bromofluorobenzene (S)	%	101	75-125	09/04/18 19:06	
Toluene-d8 (S)	%	102	75-125	09/04/18 19:06	

LABORATORY CONTROL SAMPLE: 3043369

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	18.1	90	75-126	
Ethylbenzene	ug/L	20	18.4	92	75-125	
Toluene	ug/L	20	18.0	90	74-125	
Xylene (Total)	ug/L	60	59.9	100	75-125	
1,2-Dichloroethane-d4 (S)	%			109	75-125	
4-Bromofluorobenzene (S)	%			99	75-125	
Toluene-d8 (S)	%			102	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3043370 3043371

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		10446023001 Result	Spike Conc.	Spike Conc.	MS Result					
Benzene	ug/L	<0.10	20	20	18.6	19.3	93	96	62-140	3 30
Ethylbenzene	ug/L	<0.14	20	20	19.5	20.3	98	102	75-131	4 30
Toluene	ug/L	<0.083	20	20	19.1	19.3	96	96	68-132	1 30
Xylene (Total)	ug/L	<0.31	60	60	61.9	64.9	103	108	69-135	5 30
1,2-Dichloroethane-d4 (S)	%						107	106	75-125	
4-Bromofluorobenzene (S)	%						98	99	75-125	
Toluene-d8 (S)	%						103	103	75-125	

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QUALITY CONTROL DATA

Project: Renton Terminal
Pace Project No.: 10445841

QC Batch: 560793 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV UST-WATER
Associated Lab Samples: 10445841018, 10445841019, 10445841020, 10445841022

METHOD BLANK: 3044444 Matrix: Water
Associated Lab Samples: 10445841018, 10445841019, 10445841020, 10445841022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	09/05/18 11:41	
Ethylbenzene	ug/L	ND	1.0	09/05/18 11:41	
Toluene	ug/L	ND	1.0	09/05/18 11:41	
Xylene (Total)	ug/L	ND	3.0	09/05/18 11:41	
1,2-Dichloroethane-d4 (S)	%	106	75-125	09/05/18 11:41	
4-Bromofluorobenzene (S)	%	99	75-125	09/05/18 11:41	
Toluene-d8 (S)	%	102	75-125	09/05/18 11:41	

LABORATORY CONTROL SAMPLE: 3044445

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	17.4	87	75-126	
Ethylbenzene	ug/L	20	18.3	92	75-125	
Toluene	ug/L	20	18.1	90	74-125	
Xylene (Total)	ug/L	60	58.6	98	75-125	
1,2-Dichloroethane-d4 (S)	%			107	75-125	
4-Bromofluorobenzene (S)	%			98	75-125	
Toluene-d8 (S)	%			101	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3044446 3044447

Parameter	Units	10446398001		3044447		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Benzene	ug/L	2020	20	20	2000	1880	-90	-675	62-140	6	30	E,M1
Ethylbenzene	ug/L	738	20	20	758	709	98	-147	75-131	7	30	E,M1
Toluene	ug/L	1200	20	20	1240	1240	235	195	68-132	1	30	E,M1
Xylene (Total)	ug/L	2210	60	60	2280	2210	123	-3	69-135	3	30	ES,MS
1,2-Dichloroethane-d4 (S)	%						113	109	75-125			
4-Bromofluorobenzene (S)	%						98	101	75-125			
Toluene-d8 (S)	%						101	103	75-125			

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QUALITY CONTROL DATA

Project: Renton Terminal
Pace Project No.: 10445841

QC Batch: 560938 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV UST-WATER
Associated Lab Samples: 10445841027

METHOD BLANK: 3045034 Matrix: Water
Associated Lab Samples: 10445841027

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	09/05/18 20:29	
Ethylbenzene	ug/L	ND	1.0	09/05/18 20:29	
Toluene	ug/L	ND	1.0	09/05/18 20:29	
Xylene (Total)	ug/L	ND	3.0	09/05/18 20:29	
1,2-Dichloroethane-d4 (S)	%	105	75-125	09/05/18 20:29	
4-Bromofluorobenzene (S)	%	99	75-125	09/05/18 20:29	
Toluene-d8 (S)	%	102	75-125	09/05/18 20:29	

LABORATORY CONTROL SAMPLE: 3045035

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	18.1	91	75-126	
Ethylbenzene	ug/L	20	19.2	96	75-125	
Toluene	ug/L	20	19.0	95	74-125	
Xylene (Total)	ug/L	60	60.5	101	75-125	
1,2-Dichloroethane-d4 (S)	%			101	75-125	
4-Bromofluorobenzene (S)	%			99	75-125	
Toluene-d8 (S)	%			102	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3045036 3045037

Parameter	Units	10446932001		3045037		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Benzene	ug/L	ND	20	20	19.5	18.9	97	94	62-140	3	30
Ethylbenzene	ug/L	ND	20	20	19.5	19.8	97	99	75-131	2	30
Toluene	ug/L	ND	20	20	19.3	19.4	96	97	68-132	1	30
Xylene (Total)	ug/L	ND	60	60	62.3	63.5	104	106	69-135	2	30
1,2-Dichloroethane-d4 (S)	%						104	101	75-125		
4-Bromofluorobenzene (S)	%						100	99	75-125		
Toluene-d8 (S)	%						100	102	75-125		

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QUALITY CONTROL DATA

Project: Renton Terminal
Pace Project No.: 10445841

QC Batch: 561668 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV UST-WATER
Associated Lab Samples: 10445841015, 10445841021, 10445841023, 10445841025, 10445841026

METHOD BLANK: 3049036 Matrix: Water
Associated Lab Samples: 10445841015, 10445841021, 10445841023, 10445841025, 10445841026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	09/10/18 10:31	
Ethylbenzene	ug/L	ND	1.0	09/10/18 10:31	
Toluene	ug/L	ND	1.0	09/10/18 10:31	
Xylene (Total)	ug/L	ND	3.0	09/10/18 10:31	
1,2-Dichloroethane-d4 (S)	%	91	75-125	09/10/18 10:31	
4-Bromofluorobenzene (S)	%	101	75-125	09/10/18 10:31	
Toluene-d8 (S)	%	101	75-125	09/10/18 10:31	

LABORATORY CONTROL SAMPLE: 3049037

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	19.8	99	75-126	
Ethylbenzene	ug/L	20	20.8	104	75-125	
Toluene	ug/L	20	19.6	98	74-125	
Xylene (Total)	ug/L	60	58.7	98	75-125	
1,2-Dichloroethane-d4 (S)	%			88	75-125	
4-Bromofluorobenzene (S)	%			103	75-125	
Toluene-d8 (S)	%			102	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3049038 3049039

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		10445841015 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
Benzene	ug/L	4640	200	200	5350	5160	354	258	62-140	4	30	E,M1
Ethylbenzene	ug/L	1070	200	200	1320	1260	122	94	75-131	4	30	
Toluene	ug/L	1440	200	200	1680	1600	122	82	68-132	5	30	
Xylene (Total)	ug/L	2400	600	600	3000	2880	100	79	69-135	4	30	
1,2-Dichloroethane-d4 (S)	%						92	91	75-125			
4-Bromofluorobenzene (S)	%						102	103	75-125			
Toluene-d8 (S)	%						101	100	75-125			

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QUALITY CONTROL DATA

Project: Renton Terminal

Pace Project No.: 10445841

QC Batch: 561852	Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B	Analysis Description: 8260B MSV UST-WATER
Associated Lab Samples: 10445841017	

METHOD BLANK: 3049792 Matrix: Water

Associated Lab Samples: 10445841017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	09/10/18 20:07	
Ethylbenzene	ug/L	ND	1.0	09/10/18 20:07	
Toluene	ug/L	ND	1.0	09/10/18 20:07	
Xylene (Total)	ug/L	ND	3.0	09/10/18 20:07	
1,2-Dichloroethane-d4 (S)	%	96	75-125	09/10/18 20:07	
4-Bromofluorobenzene (S)	%	99	75-125	09/10/18 20:07	
Toluene-d8 (S)	%	98	75-125	09/10/18 20:07	

LABORATORY CONTROL SAMPLE: 3049793

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	18.1	91	75-126	
Ethylbenzene	ug/L	20	19.0	95	75-125	
Toluene	ug/L	20	18.1	90	74-125	
Xylene (Total)	ug/L	60	54.0	90	75-125	
1,2-Dichloroethane-d4 (S)	%			96	75-125	
4-Bromofluorobenzene (S)	%			99	75-125	
Toluene-d8 (S)	%			101	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3049794 3049795

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		10446033003 Result	Spike Conc.	Spike Conc.	MS Result						
Benzene	ug/L	<0.10	20	20	18.9	19.7	95	99	62-140	4	30
Ethylbenzene	ug/L	<0.14	20	20	19.9	20.6	99	103	75-131	3	30
Toluene	ug/L	<0.083	20	20	18.6	19.0	93	95	68-132	2	30
Xylene (Total)	ug/L	<0.31	60	60	56.9	58.4	95	97	69-135	3	30
1,2-Dichloroethane-d4 (S)	%						94	96	75-125		
4-Bromofluorobenzene (S)	%						100	97	75-125		
Toluene-d8 (S)	%						100	101	75-125		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Renton Terminal

Pace Project No.: 10445841

QC Batch: 562244

Analysis Method: EPA 8260B

QC Batch Method: EPA 8260B

Analysis Description: 8260B MSV UST-WATER

Associated Lab Samples: 10445841024

METHOD BLANK: 3051830

Matrix: Water

Associated Lab Samples: 10445841024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	09/12/18 13:20	
Ethylbenzene	ug/L	ND	1.0	09/12/18 13:20	
Toluene	ug/L	ND	1.0	09/12/18 13:20	
Xylene (Total)	ug/L	ND	3.0	09/12/18 13:20	
1,2-Dichloroethane-d4 (S)	%	89	75-125	09/12/18 13:20	
4-Bromofluorobenzene (S)	%	96	75-125	09/12/18 13:20	
Toluene-d8 (S)	%	95	75-125	09/12/18 13:20	

LABORATORY CONTROL SAMPLE: 3051831

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	17.4	87	75-126	
Ethylbenzene	ug/L	20	19.6	98	75-125	
Toluene	ug/L	20	18.8	94	74-125	
Xylene (Total)	ug/L	60	58.8	98	75-125	
1,2-Dichloroethane-d4 (S)	%			92	75-125	
4-Bromofluorobenzene (S)	%			96	75-125	
Toluene-d8 (S)	%			98	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3051833 3051834

Parameter	Units	10445949006		3051834		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Benzene	ug/L	ND	20	20	19.0	18.9	95	94	62-140	1	30
Ethylbenzene	ug/L	ND	20	20	21.2	20.7	106	104	75-131	2	30
Toluene	ug/L	ND	20	20	20.6	20.3	103	101	68-132	1	30
Xylene (Total)	ug/L	ND	60	60	62.8	60.7	105	101	69-135	3	30
1,2-Dichloroethane-d4 (S)	%						91	91	75-125		
4-Bromofluorobenzene (S)	%						98	96	75-125		
Toluene-d8 (S)	%						99	99	75-125		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Renton Terminal
Pace Project No.: 10445841

QC Batch: 560490 Analysis Method: NWTPH-Dx
QC Batch Method: EPA Mod. 3510C Analysis Description: NWTPH-Dx GCS LV
Associated Lab Samples: 10445841001, 10445841002, 10445841003, 10445841004, 10445841005, 10445841006, 10445841007, 10445841008, 10445841009, 10445841010, 10445841011, 10445841012, 10445841013, 10445841014

METHOD BLANK: 3043206 Matrix: Water
Associated Lab Samples: 10445841001, 10445841002, 10445841003, 10445841004, 10445841005, 10445841006, 10445841007, 10445841008, 10445841009, 10445841010, 10445841011, 10445841012, 10445841013, 10445841014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Fuel Range	mg/L	ND	0.40	09/08/18 15:35	
Motor Oil Range	mg/L	ND	0.40	09/08/18 15:35	
n-Triacontane (S)	%	79	50-150	09/08/18 15:35	
o-Terphenyl (S)	%	90	50-150	09/08/18 15:35	

LABORATORY CONTROL SAMPLE & LCSD: 3043207 3043208

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Fuel Range	mg/L	2	1.8	1.7	90	86	50-150	4	20	
Motor Oil Range	mg/L	2	1.9	1.8	95	89	50-150	6	20	
n-Triacontane (S)	%				101	95	50-150			
o-Terphenyl (S)	%				96	90	50-150			

SAMPLE DUPLICATE: 3043209

Parameter	Units	10445841001 Result	Dup Result	RPD	Max RPD	Qualifiers
Diesel Fuel Range	mg/L	ND	.26J		30	
Motor Oil Range	mg/L	ND	ND		30	
n-Triacontane (S)	%	80	84	5		
o-Terphenyl (S)	%	80	79	1		

SAMPLE DUPLICATE: 3043210

Parameter	Units	10446023001 Result	Dup Result	RPD	Max RPD	Qualifiers
Diesel Fuel Range	mg/L	<56.9 ug/L	.06J		30	
Motor Oil Range	mg/L	<186 ug/L	ND		30	
n-Triacontane (S)	%	78	82	6		
o-Terphenyl (S)	%	86	83	3		

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QUALITY CONTROL DATA

Project: Renton Terminal
Pace Project No.: 10445841

QC Batch: 560880 Analysis Method: NWTPH-Dx
QC Batch Method: EPA Mod. 3510C Analysis Description: NWTPH-Dx GCS LV
Associated Lab Samples: 10445841015, 10445841016, 10445841017, 10445841018, 10445841019, 10445841020, 10445841021, 10445841022, 10445841023, 10445841024, 10445841025, 10445841026

METHOD BLANK: 3044716 Matrix: Water
Associated Lab Samples: 10445841015, 10445841016, 10445841017, 10445841018, 10445841019, 10445841020, 10445841021, 10445841022, 10445841023, 10445841024, 10445841025, 10445841026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Fuel Range	mg/L	ND	0.40	09/14/18 17:47	
Motor Oil Range	mg/L	ND	0.40	09/14/18 17:47	
n-Triacontane (S)	%	78	50-150	09/14/18 17:47	
o-Terphenyl (S)	%	72	50-150	09/14/18 17:47	

LABORATORY CONTROL SAMPLE: 3044717

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Fuel Range	mg/L	2	1.8	90	50-150	
Motor Oil Range	mg/L	2	1.9	94	50-150	
n-Triacontane (S)	%			97	50-150	
o-Terphenyl (S)	%			87	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3044718 3044719

Parameter	Units	10445841015		3044718		3044719		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Diesel Fuel Range	mg/L	1.8	2	2	2	3.4	3.5	82	84	82	50-150	1	30	
Motor Oil Range	mg/L	ND	2	2	2	2.2	2.2	98	98	98	50-150	0	30	
n-Triacontane (S)	%							89	87	89	50-150			
o-Terphenyl (S)	%							91	91	91	50-150			

SAMPLE DUPLICATE: 3044720

Parameter	Units	10445841026 Result	Dup Result	RPD	Max RPD	Qualifiers
Diesel Fuel Range	mg/L	0.43	0.58	29	30	
Motor Oil Range	mg/L	ND	ND		30	
n-Triacontane (S)	%	71	82	14		
o-Terphenyl (S)	%	75	90	18		

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Renton Terminal
Pace Project No.: 10445841

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

ES The reported result is estimated because one or more of the constituent results are qualified as such.

G+ Late peaks present outside the GRO window.

G- Early peaks present outside the GRO window.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

MS Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.

REPORT OF LABORATORY ANALYSIS

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METHOD CROSS REFERENCE TABLE

Project: Renton Terminal

Pace Project No.: 10445841

Parameter	Matrix	Analytical Method	Preparation Method
8260B MSV UST	Water	SW-846 8260B/5030B	N/A

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Renton Terminal
Pace Project No.: 10445841

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10445841001	GW-082818-JRL-MW1	EPA Mod. 3510C	560490	NWTPH-Dx	561584
10445841002	GW-082818-JRL-MW2	EPA Mod. 3510C	560490	NWTPH-Dx	561584
10445841003	GW-082818-JRL-MW3	EPA Mod. 3510C	560490	NWTPH-Dx	561584
10445841004	GW-082818-JRL-MW4	EPA Mod. 3510C	560490	NWTPH-Dx	561584
10445841005	GW-082818-JRL-MW5	EPA Mod. 3510C	560490	NWTPH-Dx	561584
10445841006	GW-082818-JRL-MW10	EPA Mod. 3510C	560490	NWTPH-Dx	561584
10445841007	GW-082818-JRL-D1R	EPA Mod. 3510C	560490	NWTPH-Dx	561584
10445841008	GW-082818-DT-MW16	EPA Mod. 3510C	560490	NWTPH-Dx	561584
10445841009	GW-082818-DT-MW13	EPA Mod. 3510C	560490	NWTPH-Dx	561584
10445841010	GW-082818-DT-MW14	EPA Mod. 3510C	560490	NWTPH-Dx	561584
10445841011	GW-082818-DT-MW6	EPA Mod. 3510C	560490	NWTPH-Dx	561584
10445841012	GW-082818-DT-MW12	EPA Mod. 3510C	560490	NWTPH-Dx	561584
10445841013	GW-082818-DT-MW11	EPA Mod. 3510C	560490	NWTPH-Dx	561584
10445841014	GW-082818-DT-MW17	EPA Mod. 3510C	560490	NWTPH-Dx	561584
10445841015	GW-082918-JRL-MW7	EPA Mod. 3510C	560880	NWTPH-Dx	562956
10445841016	GW-082918-JRL-D4R	EPA Mod. 3510C	560880	NWTPH-Dx	562956
10445841017	GW-082918-JRL-D5R	EPA Mod. 3510C	560880	NWTPH-Dx	562956
10445841018	GW-082918-JRL-MW8	EPA Mod. 3510C	560880	NWTPH-Dx	562956
10445841019	GW-082918-JRL-MW9	EPA Mod. 3510C	560880	NWTPH-Dx	562956
10445841020	GW-082918-DT-B4	EPA Mod. 3510C	560880	NWTPH-Dx	562956
10445841021	GW-082918-DT-B6	EPA Mod. 3510C	560880	NWTPH-Dx	562956
10445841022	GW-082918-DT-MW15	EPA Mod. 3510C	560880	NWTPH-Dx	562956
10445841023	GW-082918-DT-RWX2	EPA Mod. 3510C	560880	NWTPH-Dx	562956
10445841024	GW-082918-DT-RWX7	EPA Mod. 3510C	560880	NWTPH-Dx	562956
10445841025	Dup-1	EPA Mod. 3510C	560880	NWTPH-Dx	562956
10445841026	Dup-2	EPA Mod. 3510C	560880	NWTPH-Dx	562956
10445841001	GW-082818-JRL-MW1	NWTPH-Gx	560399		
10445841002	GW-082818-JRL-MW2	NWTPH-Gx	560399		
10445841003	GW-082818-JRL-MW3	NWTPH-Gx	560399		
10445841004	GW-082818-JRL-MW4	NWTPH-Gx	560399		
10445841005	GW-082818-JRL-MW5	NWTPH-Gx	560399		
10445841006	GW-082818-JRL-MW10	NWTPH-Gx	560694		
10445841007	GW-082818-JRL-D1R	NWTPH-Gx	560694		
10445841008	GW-082818-DT-MW16	NWTPH-Gx	560694		
10445841009	GW-082818-DT-MW13	NWTPH-Gx	560694		
10445841010	GW-082818-DT-MW14	NWTPH-Gx	560694		
10445841011	GW-082818-DT-MW6	NWTPH-Gx	560694		
10445841012	GW-082818-DT-MW12	NWTPH-Gx	560694		
10445841013	GW-082818-DT-MW11	NWTPH-Gx	560694		
10445841014	GW-082818-DT-MW17	NWTPH-Gx	560694		
10445841015	GW-082918-JRL-MW7	NWTPH-Gx	560694		
10445841016	GW-082918-JRL-D4R	NWTPH-Gx	560694		
10445841017	GW-082918-JRL-D5R	NWTPH-Gx	560694		
10445841018	GW-082918-JRL-MW8	NWTPH-Gx	560694		
10445841019	GW-082918-JRL-MW9	NWTPH-Gx	560694		
10445841020	GW-082918-DT-B4	NWTPH-Gx	560694		
10445841021	GW-082918-DT-B6	NWTPH-Gx	560696		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Renton Terminal
Pace Project No.: 10445841

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10445841022	GW-082918-DT-MW15	NWTPH-Gx	560696		
10445841023	GW-082918-DT-RWX2	NWTPH-Gx	561769		
10445841024	GW-082918-DT-RWX7	NWTPH-Gx	560696		
10445841025	Dup-1	NWTPH-Gx	560696		
10445841026	Dup-2	NWTPH-Gx	560696		
10445841027	Trip Blank	NWTPH-Gx	560696		
10445841001	GW-082818-JRL-MW1	EPA 8260B	560352		
10445841002	GW-082818-JRL-MW2	EPA 8260B	560352		
10445841003	GW-082818-JRL-MW3	EPA 8260B	560352		
10445841004	GW-082818-JRL-MW4	EPA 8260B	560352		
10445841005	GW-082818-JRL-MW5	EPA 8260B	560359		
10445841006	GW-082818-JRL-MW10	EPA 8260B	560359		
10445841007	GW-082818-JRL-D1R	EPA 8260B	560359		
10445841008	GW-082818-DT-MW16	EPA 8260B	560359		
10445841009	GW-082818-DT-MW13	EPA 8260B	560359		
10445841010	GW-082818-DT-MW14	EPA 8260B	560544		
10445841011	GW-082818-DT-MW6	EPA 8260B	560359		
10445841012	GW-082818-DT-MW12	EPA 8260B	560359		
10445841013	GW-082818-DT-MW11	EPA 8260B	560359		
10445841014	GW-082818-DT-MW17	EPA 8260B	560359		
10445841015	GW-082918-JRL-MW7	EPA 8260B	561668		
10445841016	GW-082918-JRL-D4R	EPA 8260B	560544		
10445841017	GW-082918-JRL-D5R	EPA 8260B	561852		
10445841018	GW-082918-JRL-MW8	EPA 8260B	560793		
10445841019	GW-082918-JRL-MW9	EPA 8260B	560793		
10445841020	GW-082918-DT-B4	EPA 8260B	560793		
10445841021	GW-082918-DT-B6	EPA 8260B	561668		
10445841022	GW-082918-DT-MW15	EPA 8260B	560793		
10445841023	GW-082918-DT-RWX2	EPA 8260B	561668		
10445841024	GW-082918-DT-RWX7	EPA 8260B	562244		
10445841025	Dup-1	EPA 8260B	561668		
10445841026	Dup-2	EPA 8260B	561668		
10445841027	Trip Blank	EPA 8260B	560938		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.



Page: 2 of 3
2299738

Section A
Required Client Information:

Section B
Required Project Information:

Section C
Invoice Information:

Company: GHD SERVICES INC	Report To: CHRISTINA.MCCLELLAN@GHD.COM	Attention: ACCOUNTS PAYABLE
Address: 20818 49TH AVE W. LYNNWOOD, WA 98036	Copy To: THUAN.BUI@GHD.COM	Company Name: GHD SERVICES
Email To: CHRISTINA.MCCLELLAN@GHD.COM	Purchase Order No.:	Address: 49TH AVE W. LYNNWOOD, WA 98036
Phone: 425-562-6514 Fax:	Project Name: RENTON TERMINAL	Pace Quote Reference: 98036
Requested Due Date/TAT: 10/29/18	Project Number:	Pace Project Manager: ISMAEL A. GROSS @ PACELABS
		Pace Profile #: 37428/1

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER _____

Site Location: **WA**
STATE: **WA**

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.	
			COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	H ₂ O ₂	Methanol					Other
			DATE	TIME	DATE	TIME														
1	GW-082818-DT-MW11	WT G	8/28/18	1325			8			X					X			03		
2	GW-082818-DT-MW17	WT G	8/28/18	1420			8			X					X			014		
3	GW-082918-JEL-MW7	WT G	8/29/18	0825			24			X					X			015		
4	GW-082918-JEL-D42	WT G	8/29/18	0930			8			X					X			016		
5	GW-082918-JEL-D52	WT G	8/29/18	1015			8			X					X			015		
6	GW-082918-JEL-MW8	WT G	8/29/18	1105			8			X					X			018		
7	GW-082918-JEL-MW9	WT G	8/29/18	1250			8			X					X			019		
8	GW-082918-DT-B4	WT G	8/29/18	0815			8			X					X			020		
9	GW-082918-DT-B6	WT G	8/29/18	1000			8			X					X			021		
10	GW-082918-DT-MW15	WT G	8/29/18	1105			8			X					X			022		
11	GW-082918-DT-RWX2	WT G	8/29/18	1245			8			X					X			023		
12	GW-082918-DT-RWX7	WT G	8/29/18	1350			8			X					X			024		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	<i>[Signature]</i>	8/29/18	1415	<i>[Signature]</i>	8/29/18	1415	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
				<i>[Signature]</i>	8/31/18	1015		Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: **CHRISTINA.MCCLELLAN**

SIGNATURE of SAMPLER: *[Signature]*

DATE Signed (MM/DD/YY): **08/29/18**

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3

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

T-3.5.2.0.4.8.5.7

Sample Condition Upon Receipt

Client Name: GHD Services Inc Project #: _____

WO#: 10445841
 PM: JMG Due Date: 09/10/18
 CLIENT: GHD_COP

Courier: Fed Ex UPS USPS Client
 Commercial Pace SpeedDee Other: _____
 Tracking Number: 44867787 1464/1431/1453
1453/1442
 Custody Seal on Cooler/Box Present? Yes No
 Seals Intact? Yes No

Optional: Proj. Due Date: _____ Proj. Name: _____

Packing Material: Bubble Wrap Bubble Bags None Other: _____ Temp Blank? Yes No

Thermometer Used: G87A9170600254 G87A9155100842
 Type of Ice: Wet Blue None Dry Melted


Cooler Temp Read (°C): 3.5, 2.0, 4.8, 5.7 Cooler Temp Corrected (°C): 3.5, 2.0, 4.8, 5.7 Biological Tissue Frozen? Yes No N/A
 Temp should be above freezing to 6°C Correction Factor: True Date and Initials of Person Examining Contents: HT 8/31/18

USDA Regulated Soil (N/A, water sample)
 Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? Yes No
 Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No
If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

	COMMENTS:
Chain of Custody Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name and/or Signature on COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72 hr)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered Volume Received for Dissolved Tests? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container
Is sufficient information available to reconcile the samples to the COC? Matrix: <u>WT</u> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
All containers needing acid/base preservation have been checked? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH Positive for Res. Chlorine? Y N
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , <2pH, NaOH >9 Sulfide, NaOH >12 Cyanide) <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Sample #
Exceptions (VOA, Coliform, TOC/DOC Oil and Grease, ORP, 8015 (water) and Dioxin/PFAS) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Initial when completed: _____ Lot # of added preservative: _____
Headspace in VOA Vials (>6mm)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14. <u>See exceptions</u>
Trip Blank Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>172846</u>	

CLIENT NOTIFICATION/RESOLUTION Field Data Required? Yes No
 Person Contacted: Jeff, Christina, Thuan Date/Time: 08/31/18
 Comments/Resolution: Notified client of headspace, Dx not not require silica gel.

Project Manager Review: JENNI GROSS Date: 08/31/18
 Note: Whenever there is a discrepancy affecting North Carolina, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers).

	Document Name: Headspace Exception	Document Revised: 06Nov2017 Page 1 of 1
	Document No.: F-MN-C-276-Rev.00	Issuing Authority: Pace Minnesota Quality Office

Sample ID	Headspace > 6mm	Headspace < 6mm	No Headspace	Total Vials
GW-082818 - JRL - MW1	1	1	4	6
" MW2	0	2	3	5
" MW3	0	2	4	6
" MW5	5	1	0	6
" MW10	1	5	0	6
" DIR	0	3	3	6
GW-82818 - DT - MW16	0	1	5	6
" MW13	0	1	5	6
" MW6	2	2	2	6
" MW12	2	3	1	6
" MW11	1	5	0	6
" MW17	6	0	0	6



Document Name:
Headspace Exception

Document Revised: 06Nov2017
Page 1 of 1

Document No.:
F-MN-C-276-Rev.00

Issuing Authority:
Pace Minnesota Quality Office

Sample ID	Headspace > 6mm	Headspace < 6mm	No Headspace	Total Vials
GW-082918-JRL-DSR	0	3	3	6
II - MW8	0	4	2	6
- MW9	0	5	1	6
GW-082918 - DT - RWX7	0	6	0	6
DUP - 1	0	5	1	6
TRIP BLANK	7	18	13	38


Appendix E Data Validation



Memorandum

November 19, 2018

To: Christina McClelland Ref. No.: 070496

From:  Jeffrey Cloud/eew/26-NF Tel: 206-914-3141

CC: Thuan Bui, Eric Maise

**Subject: Analytical Results and Reduced Validation of Report 10445841
Quarterly Groundwater Sampling
Phillips 66 – Renton Terminal
Renton, Washington
August 2018**

1. Introduction

This document details a reduced validation of analytical results for groundwater samples collected in support of the Quarterly Groundwater Sampling at the Renton Terminal site in Renton, Washington during August 2018. Samples were submitted to Pace Analytical Services, located in Minneapolis, Minnesota. A sample collection and analysis summary is presented in Table 1. A summary of the analytical methodology is presented in Table 2. The validated analytical results are summarized in Table 3.

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

The QA/QC criteria by which these data have been assessed are outlined in the analytical methods referenced in Table 2 and applicable guidance from the document entitled "USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review", USEPA 540-R-08-01, June 2008 subsequently referred to as the "Guidelines" in this Memorandum.

2. Sample Holding Time and Preservation

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

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



3. Laboratory 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 1 per 20 investigative samples and/or 1 per analytical batch.

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

4. Surrogate Spike Recoveries

In accordance with the methods employed, all samples, blanks, and QC samples analyzed for organics are spiked with surrogate compounds prior to sample extraction and/or analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

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

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

5. Laboratory Control Sample Analyses

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

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

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

6. Matrix Spike/Matrix Spike Duplicate Analyses

To evaluate the effects of sample matrices on the preparation process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analyte of concern and analyzed as matrix spike/matrix spike duplicate (MS/MSD) samples. The RPD between the MS and MSD is used to assess analytical precision. MS/MSD analyses were performed as specified in Table 1. If the



original sample concentration is significantly greater than the spike concentration, the recovery is not assessed.

The MS/MSD samples were spiked with the analytes of interest. All percent recoveries and RPD values were within the associated control limits, demonstrating acceptable analytical accuracy and precision.

7. Duplicate Sample Analyses

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

8. Field QA/QC Samples

The field QA/QC consisted of one trip blank sample and two field duplicate sample sets.

Trip Blank Sample Analysis

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.

Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, two field duplicate samples were collected and submitted "blind" to the laboratory, as specified in Table 1. The RPDs associated with these duplicate samples must be less than 50 percent. If the reported concentration in both the investigative sample and its duplicate are less than five times the reporting limit (RL), the evaluation criterion is one times the RL value.

All field duplicate results were within acceptable agreement, demonstrating acceptable sampling and analytical precision.

9. Analyte Reporting

The laboratory did not report any detected concentrations below the laboratory's RL. Non-detect results were presented as non-detect at the RL in Table 3.

10. Conclusion

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

Table 1

Sample Collection and Analysis Summary
Quarterly Groundwater Sampling
Phillips 66 - Renton Terminal
Renton, Washington
September 2018

Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	Analysis/Parameters			Comments
					DRO/RO	GRO	VOCs	
GW-082918-DT-B4	B-4	Water	08/29/2018	08:15	X	X	X	
GW-082918-DT-B6	B-6	Water	08/29/2018	10:00	X	X	X	
GW-082818-JRL-D1R	D-1R	Water	08/28/2018	13:20	X	X	X	
GW-082918-JRL-D4R	D-4R	Water	08/29/2018	09:30	X	X	X	
GW-082918-JRL-D5R	D-5R	Water	08/29/2018	10:15	X	X	X	
Dup-1	D-5R	Water	08/29/2018	--	X	X	X	FD (GW-082918-JRL-D5R)
GW-082818-JRL-MW1	MW-1	Water	08/28/2018	08:25	X	X	X	DUP
GW-082818-JRL-MW2	MW-2	Water	08/28/2018	08:55	X	X	X	
GW-082818-JRL-MW3	MW-3	Water	08/28/2018	09:30	X	X	X	
GW-082818-JRL-MW4	MW-4	Water	08/28/2018	10:10	X	X	X	
GW-082818-JRL-MW5	MW-5	Water	08/28/2018	10:55	X	X	X	
GW-082818-DT-MW6	MW-6	Water	08/28/2018	11:20	X	X	X	
GW-082918-JRL-MW7	MW-7	Water	08/29/2018	08:25	X	X	X	MS/MSD
GW-082918-JRL-MW8	MW-8	Water	08/29/2018	11:05	X	X	X	
GW-082918-JRL-MW9	MW-9	Water	08/29/2018	12:50	X	X	X	
GW-082818-JRL-MW10	MW-10	Water	08/28/2018	12:40	X	X	X	DUP
GW-082818-DT-MW11	MW-11	Water	08/28/2018	13:25	X	X	X	
GW-082818-DT-MW12	MW-12	Water	08/28/2018	12:25	X	X	X	
GW-082818-DT-MW13	MW-13	Water	08/28/2018	09:20	X	X	X	

Table 1

Sample Collection and Analysis Summary
Quarterly Groundwater Sampling
Phillips 66 - Renton Terminal
Renton, Washington
September 2018

Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	Analysis/Parameters			Comments
					DRO/ORO	GRO	VOCs	
GW-082818-DT-MW14	MW-14	Water	08/28/2018	10:20	X	X	X	
GW-082918-DT-MW15	MW-15	Water	08/29/2018	11:05	X	X	X	MS/MSD
Dup-2	MW-15	Water	08/29/2018	--	X	X	X	DUP - FD (GW-082918-DT-MW15)
GW-082818-DT-MW16	MW-16	Water	08/28/2018	08:25	X	X	X	
GW-082818-DT-MW17	MW-17	Water	08/28/2018	14:20	X	X	X	
GW-082918-DT-RWX2	RWX-2	Water	08/29/2018	12:45	X	X	X	
GW-082918-DT-RWX7	RWX-7	Water	08/29/2018	13:50	X	X	X	DUP
Trip Blank	--	Water	08/29/2018	--		X	X	Trip Blank

Notes:

- DUP - Laboratory Duplicate
- FD - Field Duplicate sample of sample in parenthesis
- MS/MSD - Matrix Spike/Matrix Spike Duplicate
- 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
Phillips 66 - Renton Terminal
Renton, Washington
August 2018**

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

Notes:

(1) - SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846,

Table 3

**Analytical Results Summary
Quarterly Groundwater Sampling
Phillips 66 - Renton Terminal
Renton, Washington
August 2018**

Location ID:	B-4	B-6	D-1R	D-4R	D-5R
Sample Name:	GW-082918-DT-B4	GW-082918-DT-B6	GW-082818-JRL-D1R	GW-082918-JRL-D4R	GW-082918-JRL-D5R
Sample Date:	08/29/2018	08/29/2018	08/28/2018	08/29/2018	08/29/2018
Parameters	Unit				
Volatile Organic Compounds					
Benzene	µg/L	133	886	1.0 U	1.0 U
Ethylbenzene	µg/L	164	242	1.0 U	1.0 U
Toluene	µg/L	5.4	9.5	1.0 U	1.0 U
Xylenes (total)	µg/L	6.7	77.1	3.0 U	4.1
Total Petroleum Hydrocarbons					
Motor oil	mg/L	0.81	1.5	0.39 U	0.39 U
Total Petroleum Hydrocarbons - Extractable (DRO)	mg/L	10.6	4.6	0.47	0.39 U
Gasoline	µg/L	4870	4480	651	100 U

Table 3
Analytical Results Summary
Quarterly Groundwater Sampling
Phillips 66 - Renton Terminal
Renton, Washington
August 2018

	Location ID:	D-5R	MW-1	MW-2	MW-3	MW-4
	Sample Name:	Dup-1	GW-082818-JRL-MW1	GW-082818-JRL-MW2	GW-082818-JRL-MW3	GW-082818-JRL-MW4
	Sample Date:	08/29/2018	08/28/2018	08/28/2018	08/28/2018	08/28/2018
		Duplicate				
Parameters	Unit					
Volatile Organic Compounds						
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	µg/L	4.2	3.0 U	3.0 U	3.0 U	3.0 U
Total Petroleum Hydrocarbons						
Motor oil	mg/L	0.44 U	0.40 U	0.39 U	0.38 U	0.40 U
Total Petroleum Hydrocarbons - Extractable (DRO)	mg/L	0.44 U	0.40 U	0.39 U	0.38 U	0.40 U
Gasoline	µg/L	296	100 U	100 U	100 U	100 U

Table 3
Analytical Results Summary
Quarterly Groundwater Sampling
Phillips 66 - Renton Terminal
Renton, Washington
August 2018

Location ID:	MW-5	MW-6	MW-7	MW-8	MW-9	
Sample Name:	GW-082818-JRL-MW5	GW-082818-DT-MW6	GW-082918-JRL-MW7	GW-082918-JRL-MW8	GW-082918-JRL-MW9	
Sample Date:	08/28/2018	08/28/2018	08/29/2018	08/29/2018	08/29/2018	
Parameters	Unit					
Volatile Organic Compounds						
Benzene	µg/L	1.0 U	1.0 U	4640	194	27.9
Ethylbenzene	µg/L	1.0 U	1.0 U	1070	8.5	1.7
Toluene	µg/L	1.0 U	1.0 U	1440	4.1	1.0 U
Xylenes (total)	µg/L	3.0 U	3.0 U	2400	10.6	3.0 U
Total Petroleum Hydrocarbons						
Motor oil	mg/L	0.40 U	0.42 U	0.39 U	0.39 U	0.42 U
Total Petroleum Hydrocarbons - Extractable (DRO)	mg/L	0.40 U	0.42 U	1.8	0.84	0.96
Gasoline	µg/L	100 U	100 U	19400	1250	1230

Table 3
Analytical Results Summary
Quarterly Groundwater Sampling
Phillips 66 - Renton Terminal
Renton, Washington
August 2018

	Location ID:	MW-10	MW-11	MW-12	MW-13	MW-14
	Sample Name:	GW-082818-JRL-MW10	GW-082818-DT-MW11	GW-082818-DT-MW12	GW-082818-DT-MW13	GW-082818-DT-MW14
	Sample Date:	08/28/2018	08/28/2018	08/28/2018	08/28/2018	08/28/2018
Parameters	Unit					
Volatile Organic Compounds						
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	15500
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1850
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	4960
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U	8860
Total Petroleum Hydrocarbons						
Motor oil	mg/L	0.39 U	0.40 U	0.40 U	0.42 U	0.42 U
Total Petroleum Hydrocarbons - Extractable (DRO)	mg/L	0.39 U	0.40 U	0.40 U	0.42 U	2.4
Gasoline	µg/L	100 U	182	100 U	100 U	58700

Table 3
Analytical Results Summary
Quarterly Groundwater Sampling
Phillips 66 - Renton Terminal
Renton, Washington
August 2018

	Location ID:	MW-15	MW-15	MW-16	MW-17	RWX-2	RWX-7
	Sample Name:	GW-082918-DT-MW15	Dup-2	GW-082818-DT-MW16	GW-082818-DT-MW17	GW-082918-DT-RWX2	GW-082918-DT-RWX7
	Sample Date:	08/29/2018	08/29/2018 Duplicate	08/28/2018	08/28/2018	08/29/2018	08/29/2018
Parameters	Unit						
Volatile Organic Compounds							
Benzene	µg/L	47.4	53.3	1.0 U	1.0 U	1190	290
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	222	31.1
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	2700	263
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U	1060	87.3
Total Petroleum Hydrocarbons							
Motor oil	mg/L	0.40 U	0.40 U	0.40 U	0.41 U	0.43 U	0.40 U
Total Petroleum Hydrocarbons - Extractable (DRO)	mg/L	0.51	0.43	0.40 U	0.41 U	1.7	0.96
Gasoline	µg/L	395	443	100 U	100 U	12900	2540

Notes:

DRO - Diesel Range Organics

U - Not detected at the associated reporting limit