Transmittal

February 18, 2020

To:	Mr. Jerome Cruz Washington Department of Ecology 3190 160th Avenue Southeast Bellevue, Washington 98008 5452	Ref. No.:	070496
		From:	Christina McClelland
		GHD Tel:	804-237-0303

Subject: Fourth Quarter 2019 Groundwater Monitoring and Operations and Maintenance Report

No. of Copies	Description/Title	Drawing No./ Document Ref.	Issue
1	Fourth Quarter 2019 Groundwater Monitoring and Operations and Maintenance Report	61	

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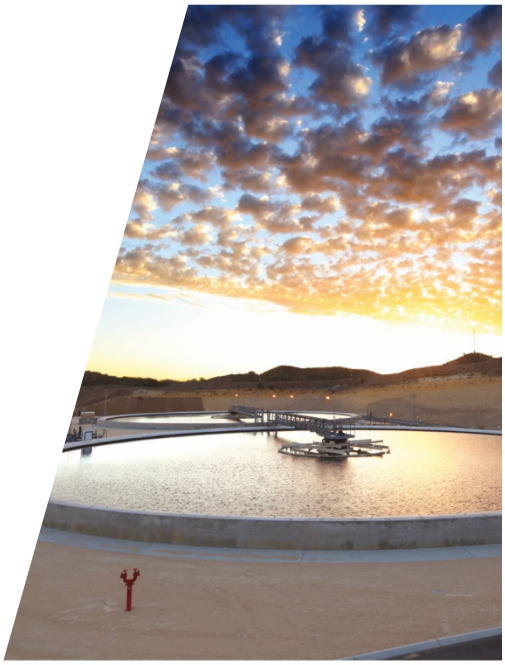
Remarks:

Copy to: Rich Solomon and Kelly Hayes, Phillips 66; Kyle Christie, BP; Calista Campbell, ExxonMobil

Completed by: Christina McClelland [Please Print] Signed:

Filing: Correspondence File

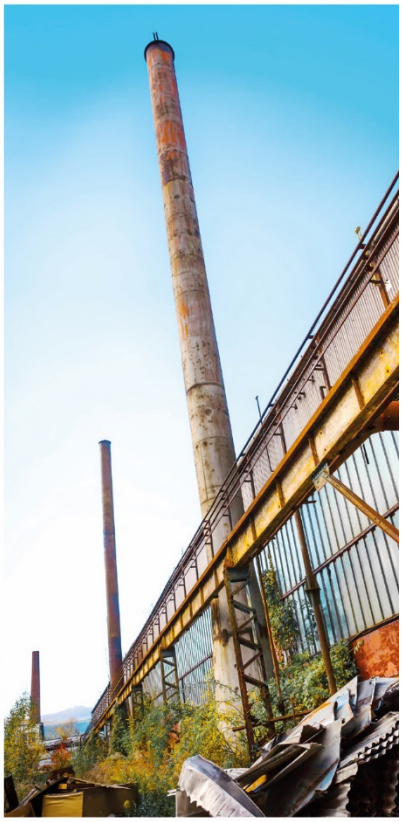
GHD
20818 44th Avenue West Suite 190 Lynnwood Washington 98036 USA
T 425 563 6500 **F** 425 563 6599 **W** www.ghd.com



Fourth Quarter 2019 Groundwater Monitoring, 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



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1. Introduction

GHD has prepared this *Fourth Quarter 2019 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 implement 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, followed by a period of approximately one year of operation when it was shut down until October 2016 to implement system modifications. The modified DPE system operated intermittently between October 2016 and May 2017, and has been operating nearly continuously from May 2017 until the present.

The purpose of this quarterly report is to present the remediation systems monitoring results and evaluate the performance of the remedial action during the reporting period from October 1, 2019 to December 31, 2019. Additionally, this report includes groundwater monitoring results from the reporting period. The monitoring locations are presented on Figure 2A. Groundwater monitoring and remediation activities are being 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). The groundwater monitoring scope of work was modified beginning with the first quarter 2019 in accordance with the scope approved by the Washington State Department of Ecology (Ecology) in an email dated February 28, 2019.

2. Description of Remediation System and Operational Status

Groundwater, light non-aqueous phase liquids (LNAPL), and soil vapors are extracted from DPE wells and treated by a series of unit processes. The groundwater treatment system consists of an oil-water separator (OWS), air stripper, equalization tank, sediment filters, and carbon vessels. In July 2019, select DPE wells were retrofitted with skimmer pumps to emphasize recovery of LNAPL while minimizing groundwater recovery necessary to maintain designed hydraulic containment. Recovered LNAPL, skimmed from the top of the OWS, flows by gravity into a nearby 150-gallon temporary holding tank (PST-5201). A transfer pump (either manually engaged or float actuated) conveys LNAPL from PST-5201 to a 10,000-gallon holding tank (PST-5202) for storage pending periodic off-Site disposal and/or recycling. The 10,000-gallon tank was a former fuel additive tank located within the terminal tank farm that had been permanently out of service for several years. This tank will serve to increase the capacity of recovered LNAPL that can be temporarily stored on-Site. Groundwater separated from the recovered LNAPL in the OWS is pumped to the EQ tank where it is stored temporarily before being batch-treated by the low profile tray air stripper, 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. The combined air effluent from the air stripper and soil vapor extracted from the DPE wells is treated by the thermal oxidizer. Effluent from the oxidizer is discharged to the atmosphere as authorized by the Puget Sound Clean Air Agency (PSCAA) discharge permit No.11102. Remediation system process and instrumentation diagrams can be found in GHD's previously submitted *Fourth Quarter 2016 Groundwater Monitoring and Operation and Maintenance Report*

During the current reporting period, the DPE system operated for approximately 2,143 hours between October 1, 2019 and December 31, 2019 with an "up-time" of approximately 97 percent. The following are the notable system shutdowns accounting for approximately 95 hours of down time that occurred during the reporting period:

- October 1, 2019 planned shutdown for auto-dilution valve repairs lasting approximately 3 hours.
- October 14 to October 16, 2019 planned shutdown during LNAPL pump-out and oil-water separator and tank cleaning for approximately 53 hours.
- November 29 to November 30, 2019 and December 7, 2019 unplanned shutdowns due to high level alarms in compound sump caused by residual water draining from down-well pumps and rainwater for approximately 35 hours.
- December 18, 2019 planned shutdown for effluent line cleaning for approximately 4 hours.

During the fourth quarter 2019, the system processed groundwater and LNAPL extracted from seven remediation wells DPE-32, DPE-35, DPE-39, DPE-40, DPE-41, DPE-49, and DPE-56 and vapor extracted from 16 remediation wells, (nine of which are enhanced by air sweep). The active remediation wells are presented on Figure 2B. Groundwater extraction system sampling analytical data is provided in Table 1. Groundwater extraction operational data is provided in Table 2. Soil vapor extraction system sampling analytical data is provided in Table 3. Soil vapor extraction operational data is provided in Table 4. GHD is currently implementing an optimization plan focusing on the continuation of hydraulic control while maximizing petroleum hydrocarbon mass removal via LNAPL recovery and soil vapor extraction. Minor modifications to the system (including conversion of the 10,000-gallon storage tank for storage of recovered LNAPL) to increase the capacity to remove and store LNAPL were completed during the second and third quarters of 2019. GHD anticipates continuing the focused LNAPL removal plan during the first quarter 2020.

3. Fourth Quarter 2019 Remediation Activities

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

The following routine system maintenance and repair activities were completed during the current reporting period on an as-needed basis:

- 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.
- Blower maintenance and cleaning.

The groundwater effluent line that discharges to the City of Renton sanitary sewer system was cleaned using a high-pressure water jet hose. A cleanout was also installed in the line for future cleaning on an as needed basis. After the line cleaning, effluent groundwater flowrates increased significantly and system component back pressures were reduced.

4. Summary of Compliance Sampling

The King County Wastewater Treatment Division (King County) discharge permit for the DPE system requires monthly compliance sampling and reporting. Monthly effluent compliance samples were collected during this operational period on October 11, 2019, November 8, 2019 and December 16, 2019. Each effluent compliance sample was 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 discharge permit is located at the treated water effluent after all GWE treatment unit processes. Results of analyses of effluent compliance samples during the reporting period demonstrated compliance with the permit conditions. Laboratory analytical reports are presented in Appendix A. Treated groundwater compliance data for this and previous reporting periods are summarized on Table 1. Monthly results are submitted to King County on a quarterly basis under separate cover. A copy of the Fourth Quarter 2019 King County Industrial Waste Quarterly Self-Monitoring Report is presented in Appendix B.

The PSCAA air discharge permit for the DPE system requires monthly compliance sampling and analyses of oxidizer influent and effluent for TPHg and BTEX per EPA Method TO-15. Compliance samples were collected on October 11, 2019, November 8, 2019 and December 16, 2019. Laboratory analytical reports are presented in Appendix A. Results of analyses of oxidizer effluent samples collected during the reporting period demonstrate compliance with PSCAA permit conditions. Air compliance sampling and analytical data are summarized on Table 3. The data summarized on Table 4 confirms that oxidizer compliance monitoring results were within the permit limits for operating flow rate less than 1,500 standard cubic feet per minute, maintaining a minimum operating temperature of 1,400 degrees F and achieving a destruction efficiency of greater than 97%.

5. Summary of System Performance

Total combined petroleum mass removal rate for the DPE system as LNAPL, vapor and groundwater dissolved phases during the reporting period was 5,749 pounds per quarter. This rate is higher than historical rates due to the focused LNAPL removal plan. The total LNAPL removed during the reporting period was 827 gallons. Estimated total mass removal rates and total mass removed during the reporting period and the cumulative mass removed since remediation using DPE began in May 8, 2015 are summarized on Table 2 and Table 4 and are shown graphically on Figure 3 and Figure 4.

During the reporting period, the DPE system operated nearly continuously except for the shutdowns noted in Section 2.0. The process volumes and estimated mass removed for the reporting period are as follows:

Period	Gallons of Water extracted	Pounds of LNAPL Removed (OWS)	Pounds of TPH Removed (Dissolved Liquid Phase)	Pounds of TPH Removed (Vapor Phase)	Total Pounds of TPH Removed
Fourth Quarter 2019 Operation (October 1, 2019 to December 31, 2019)	4,227	5,078	2	669	5,749
Cumulative Operation (May 8, 2015 to December 31, 2019)*	4,746,692	24,738	2,222	68,356	95,316

*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 while maintaining hydraulic control on the hydrocarbon-impacted groundwater plume to prevent migration of dissolved-phase petroleum hydrocarbons off-Site. Hydraulic control monitoring was performed during the groundwater gauging activities and is discussed in Section 7. Procedures for monitoring and evaluating the effectiveness of hydraulic control are included in the CMP.

The system continues to operate below designed groundwater recovery flow rates due to iron precipitate fouling and sedimentation. GHD is currently maximizing LNAPL recovery with minimal groundwater processing. GHD will continue to evaluate ways to optimize groundwater recovery and efficient processing, while focusing efforts on LNAPL recovery.

6. System Operation Conclusions

The DPE system operated at nearly continuous (approximately 97%) up-time during the third quarter 2019 except for the shutdowns noted in Section 2.0. Three planned and two unplanned shutdowns occurred during the reporting period as described in Section 2.0.

The following activities are planned for the first quarter 2020:

- Continue air sweep to enhance product recovery via SVE.
- Continue to optimize LNAPL removal.
- Minor system modifications including re-plumbing the piping from the moisture/air separator to the OWS, relocating the vacuum relief on the discharge piping and installing a stainless steel static mixer prior to resuming Redux-300 injection for iron sequestration.
- Increase groundwater recovery and treatment.

7. Fourth Quarter 2019 Groundwater Monitoring Field Activities

7.1 Hydraulic Monitoring

Fourth quarter 2019 hydraulic monitoring activities were conducted on December 4, 2019. 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 17 groundwater monitoring wells and 26 remediation wells. Hydraulic monitoring activities were conducted in accordance with the procedures outlined in Section 4.1 of the CMP and the modifications approved by Ecology in an email correspondence dated February 28, 2019. Wells used in 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 was not conducted during the fourth quarter 2019. Per modifications approved by Ecology in an email correspondence dated February 28, 2019, groundwater sampling has been reduced to a semi-annual frequency with hydraulic monitoring continuing on a quarterly frequency.

7.3 Investigation Derived Waste

No investigation derived waste was generated during the fourth quarter 2019 event, with the exception of personal protective equipment (PPE). All PPE was properly decontaminated and/or disposed in an appropriate trash receptacle onsite.

8. Groundwater Monitoring Results

8.1 Groundwater Elevation and LNAPL Thickness Data

The purpose of the hydraulic monitoring is to evaluate the effects of the DPE system on 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) 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 two of the wells gauged (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 two wells were consistent with historical data. None of the deep wells were gauged. Groundwater elevation data is presented in Table 5 and Figure 5.

8.1.1 Intermediate Well Elevation Data, Flow Direction, and Gradient

Data collected during the fourth quarter 2019 indicates that groundwater mounds in the vicinity of the tank farm and in the vicinity of the loading rack, and, as a result, groundwater flows radially away from these locations. Groundwater elevation contours interpreted from the monitoring data are illustrated on Figure 5.

8.1.2 LNAPL Thicknesses

During the fourth quarter 2019 sampling event, LNAPL was observed in 16 of the remediation wells gauged. The maximum LNAPL thickness (3.47 feet) was detected in well DPE-56. No LNAPL was detected in the groundwater monitoring wells gauged. In-well LNAPL gauging is used to confirm the presence of LNAPL and evaluate mobility by comparing these measurements over time. The presence of LNAPL in wells north of the loading racks during recent sampling events indicates a mobile LNAPL mass in this area. The presence (or absence) of LNAPL will continue to be monitored to evaluate trends in LNAPL occurrence and mobility.

9. Groundwater Monitoring Conclusions

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

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 reduced to semi-annually. The next scheduled monitoring event is during the first quarter 2020.

10. Other Agreed Order Items

No Agreed Order items occurred during the fourth quarter 2019.

All of Which is Respectfully Submitted,

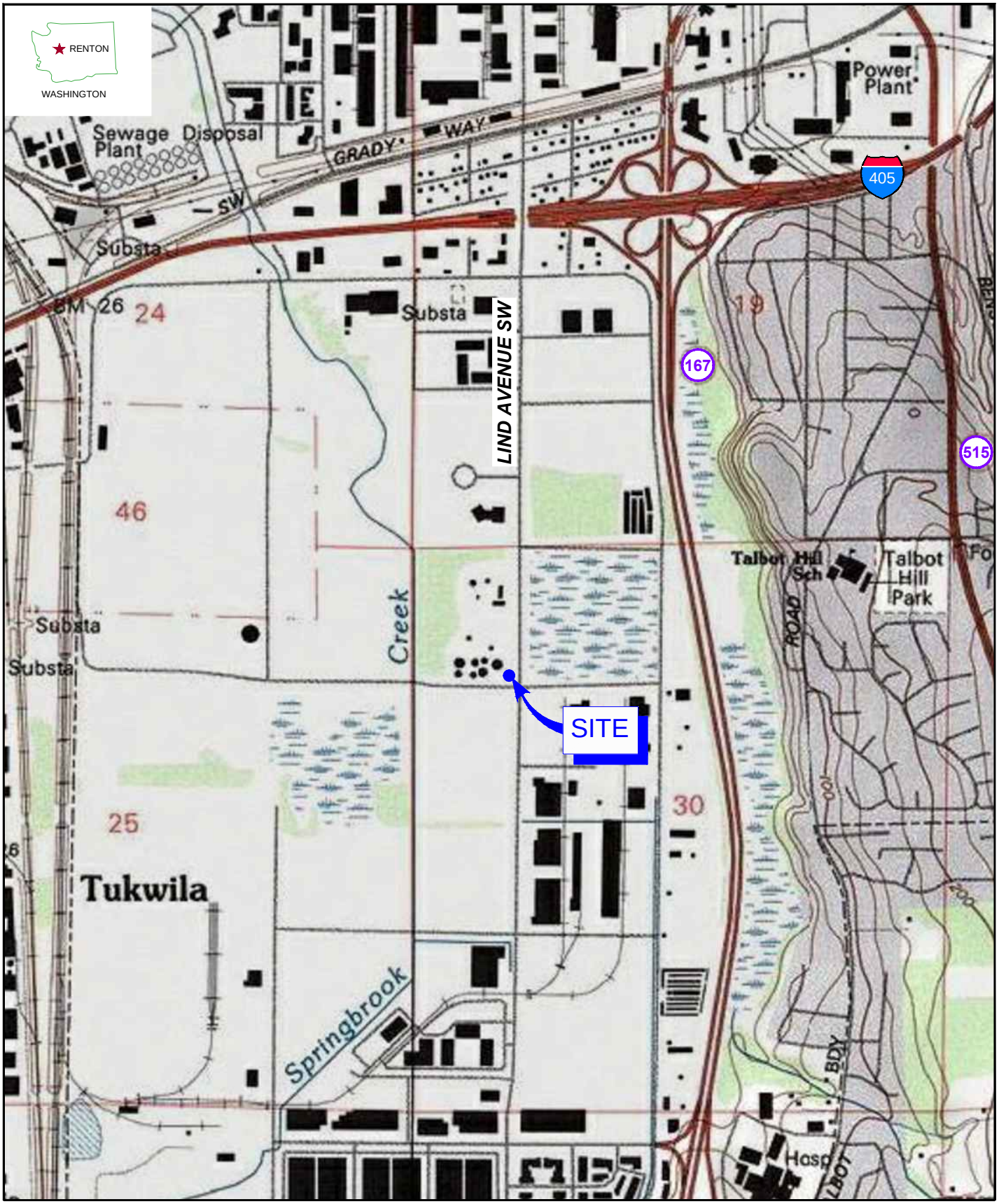
GHD

Christina McClelland, LG

Eric Maise

David Hempleman

Figures



Source: TOPO! CA

0 625 1250ft

PHILLIPS 66 RENTON TERMINAL
2423 LIND AVENUE SOUTHWEST
RENTON, WASHINGTON

070496.17-7MN00

Jan 6, 2020

VICINITY MAP

FIGURE 1

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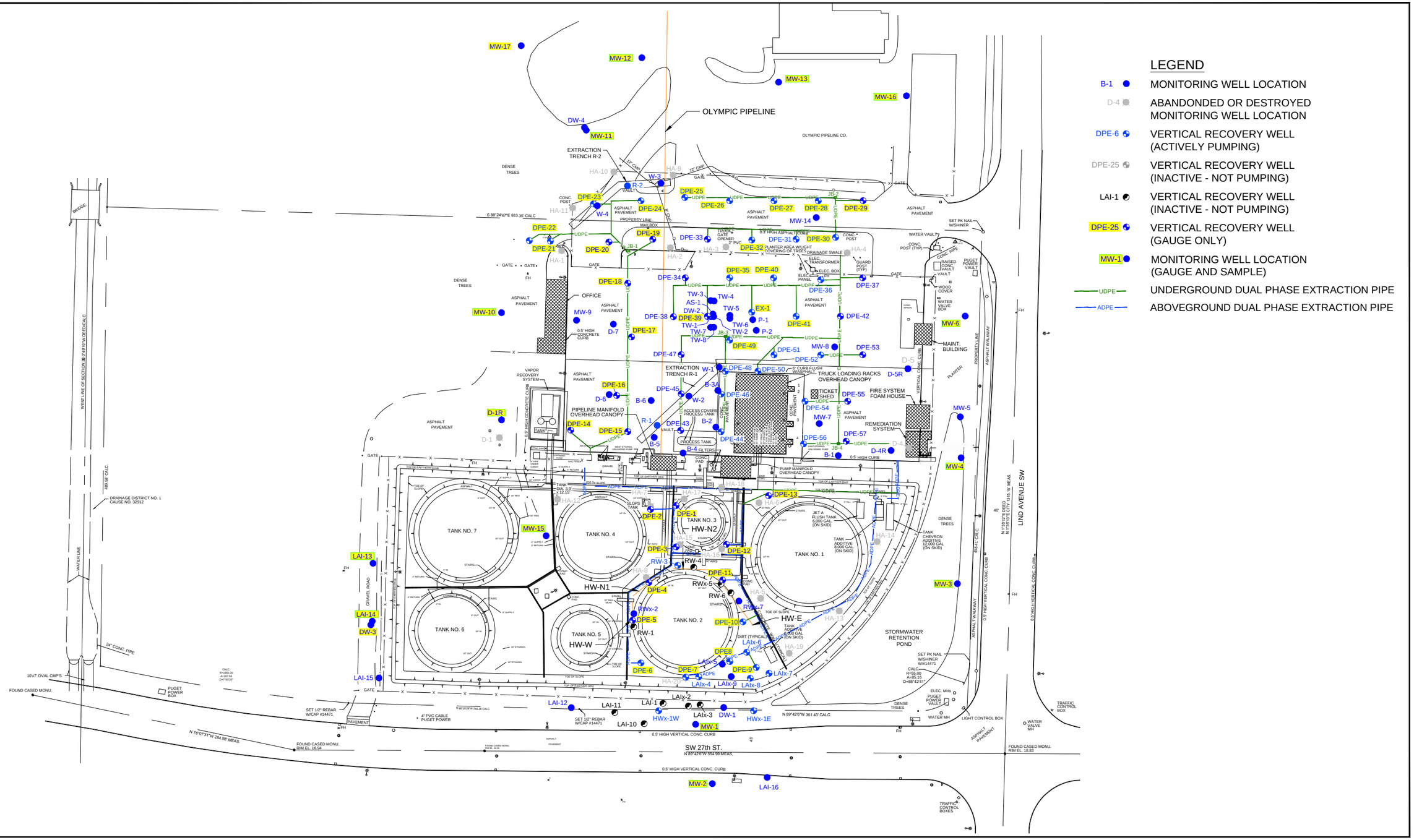

SOURCE: STATEWIDE LAND SURVEYING INC., DATED 01/26/2012.

PHILLIPS 66 RENTON TERMINAL
2423 LIND AVENUE SOUTHWEST
RENTON, WASHINGTON

070496.17-7MN00

Jan 6, 2020

SITE PLAN WITH MONITORING LOCATIONS

FIGURE 2A

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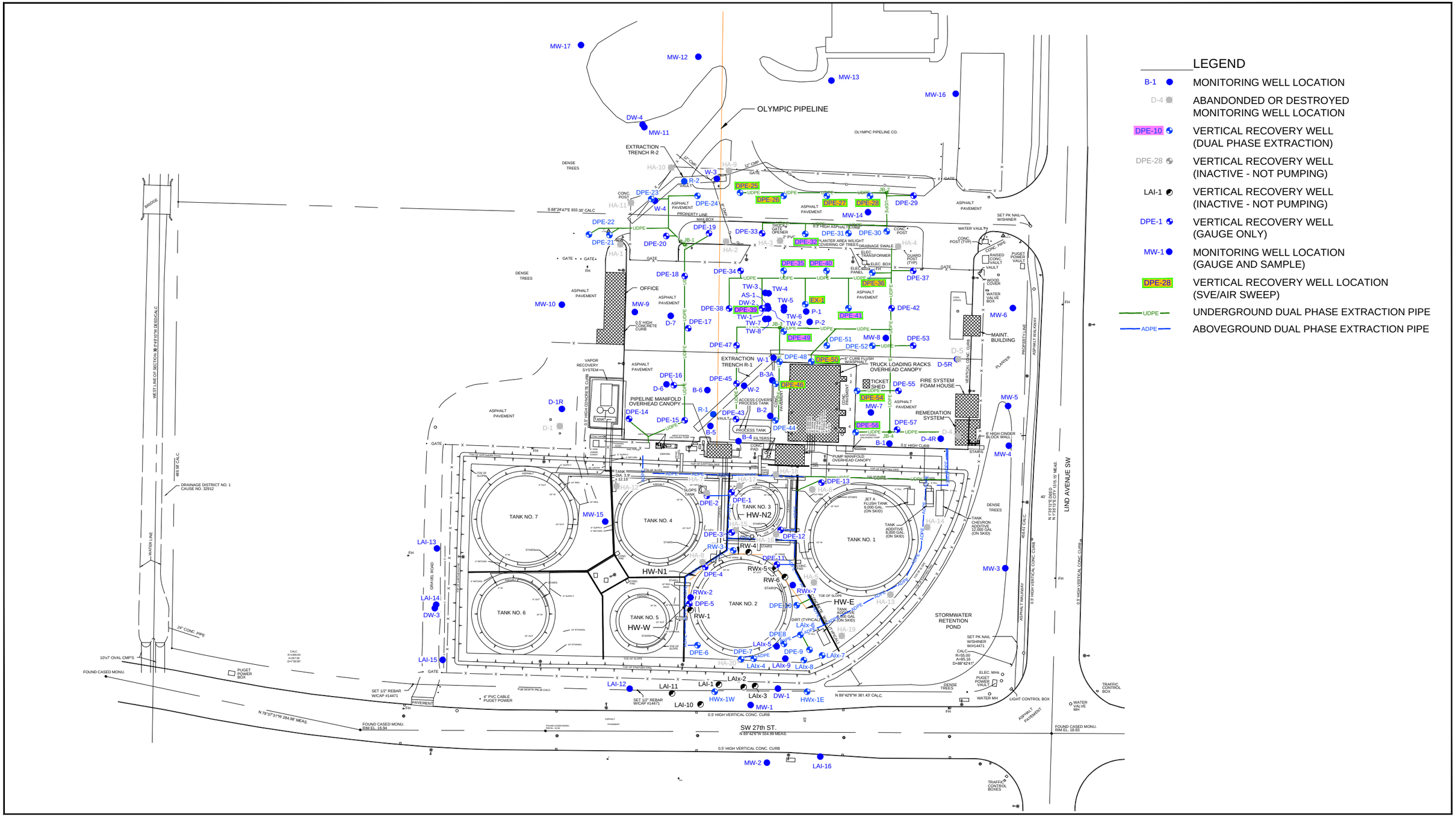

SOURCE: STATEWIDE LAND SURVEYING INC., DATED 01/26/2012.

0 50 100ft

WASHINGTON STATE PLANE NORTH ZONE 4601 IN SURVEY FT.

PHILLIPS 66 RENTON TERMINAL
2423 LIND AVENUE SOUTHWEST
RENTON, WASHINGTON

070496.17-7MN00

Jan 6, 2020

SITE PLAN WITH ACTIVE REMEDIATION LOCATIONS

FIGURE 2B

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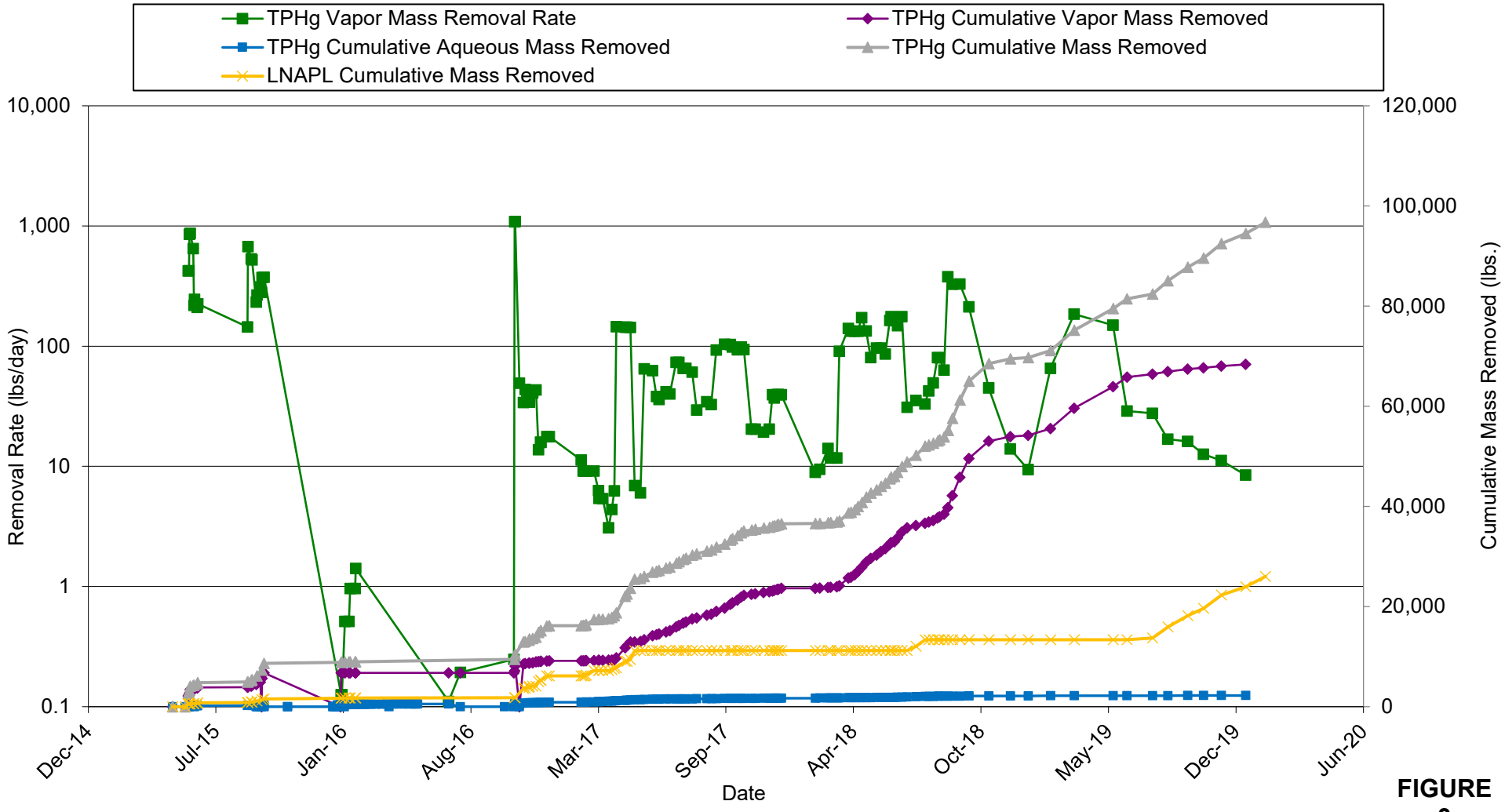


FIGURE 3

Phillips 66 Renton Terminal
2423 Lind Avenue Southwest
Renton, Washington

TPHg MASS REMOVAL VS. TIME

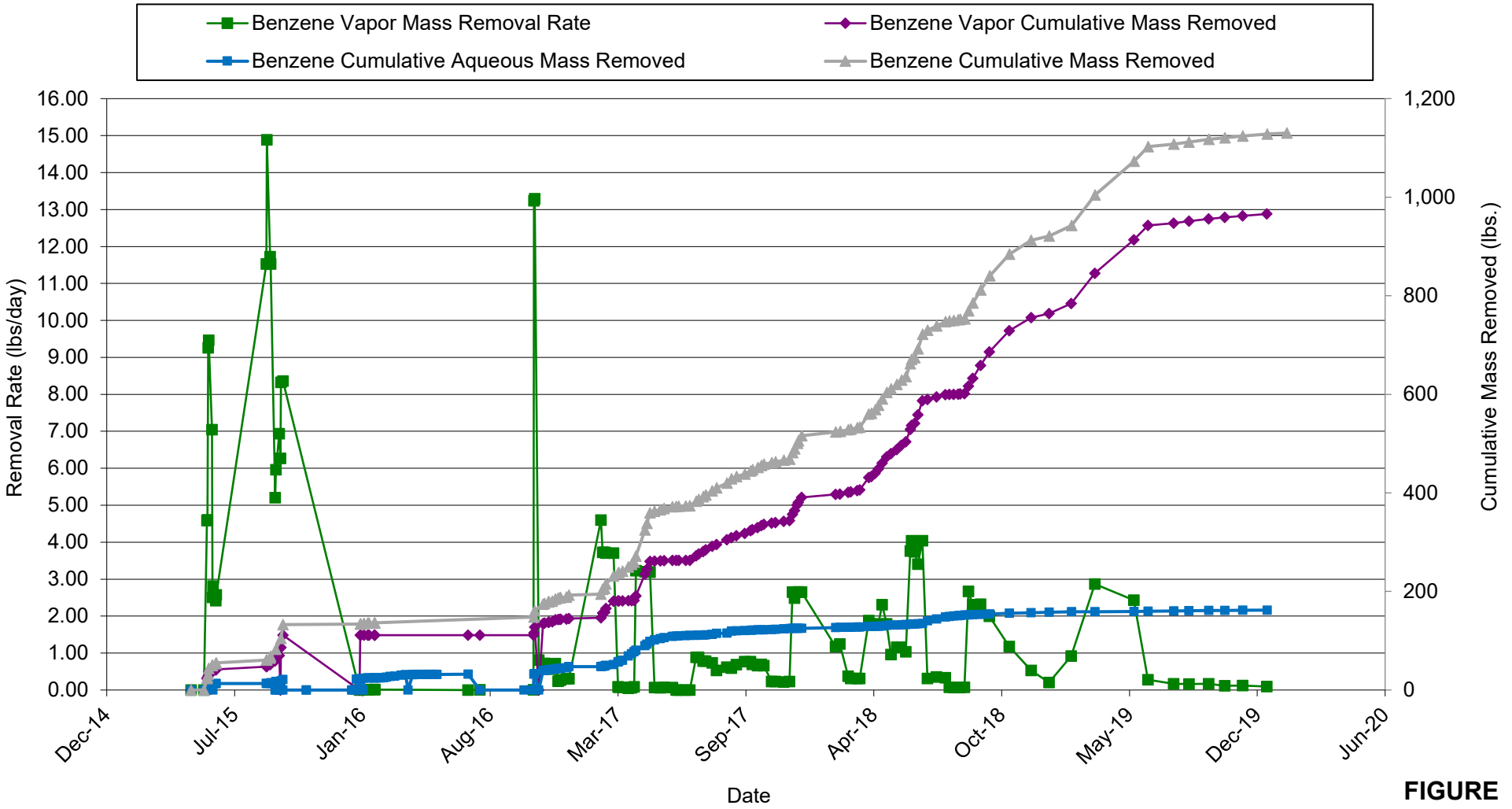
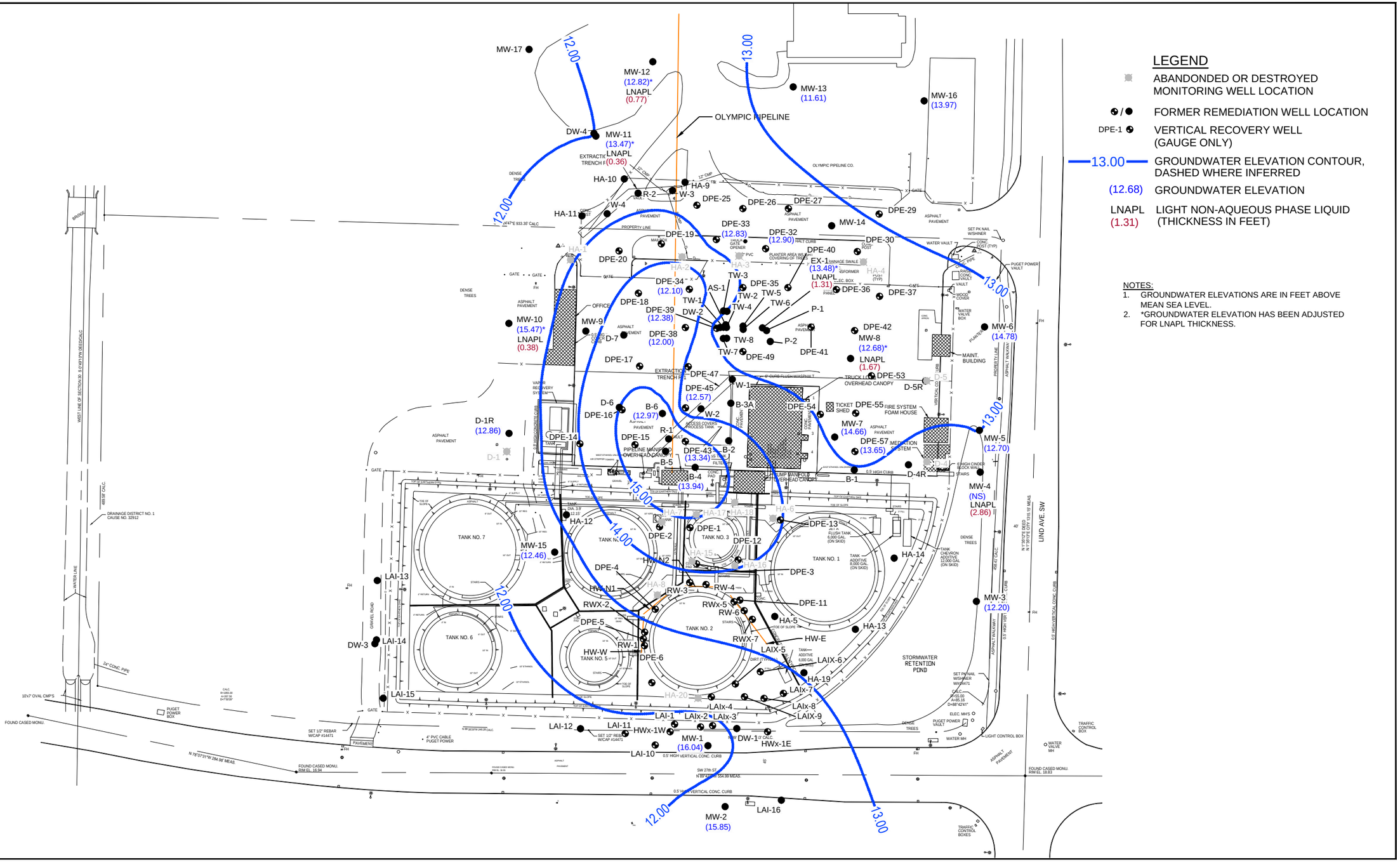


FIGURE 4

Phillips 66 Renton Terminal
2423 Lind Avenue Southwest
Renton, Washington

BENZENE MASS REMOVAL VS. TIME



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

PHILLIPS 66 RENTON TERMINAL
2423 LIND AVENUE SOUTHWEST
RENTON, WASHINGTON

GROUNDWATER ELEVATION MAP
DECEMBER 4, 2019

070496.17-7MN00

Jan 6, 2020

FIGURE 5

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Tables

Table 1

Groundwater Extraction System Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

	Influent							Influent-2 (Post-air stripper)							Midfluent 1							Midfluent 2							Effluent								
Date (mm/dd/yy)	TPHg Conc. (µg/L)	TPHd Conc. (µg/L)	TPHmo Conc. (µg/L)	Benzene Conc. (µg/L)	Toluene Conc. (µg/L)	Ethylbenzene Conc. (µg/L)	Xylenes Conc. (µg/L)	TPHg Conc. (µg/L)	TPHd Conc. (µg/L)	TPHmo Conc. (µg/L)	Benzene Conc. (µg/L)	Toluene Conc. (µg/L)	Ethylbenzene Conc. (µg/L)	Xylenes Conc. (µg/L)	TPHg Conc. (µg/L)	TPHd Conc. (µg/L)	TPHmo Conc. (µg/L)	Benzene Conc. (µg/L)	Toluene Conc. (µg/L)	Ethylbenzene Conc. (µg/L)	Xylenes Conc. (µg/L)	TPHg Conc. (µg/L)	TPHd Conc. (µg/L)	TPHmo Conc. (µg/L)	Benzene Conc. (µg/L)	Toluene Conc. (µg/L)	Ethylbenzene Conc. (µg/L)	Xylenes Conc. (µg/L)	TPHg Conc. (µg/L)	TPHd Conc. (µg/L)	TPHmo Conc. (µg/L)	Benzene Conc. (µg/L)	Toluene Conc. (µg/L)	Ethylbenzene Conc. (µg/L)	Xylenes Conc. (µg/L)	pH[a]	FOG Conc. (µg/L)
05/08/15	393,000	46,900	11,400 b	13,000	23,400	3,200	19,700	NA - Air stripper not installed							131	<400	<400	<1.0	<1.0	<1.0	<3.0	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<100	<400	<400	<1.0	8.9	2.3	10.5	NM	<6,800
05/27/15	153,000	80,800	6,600	10,200	23,900	6,220	39,900								1,280	2,300	530	<1.0	<1.0	1.4	9.3	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	7.3	<6,500
06/16/15	660,000	304,000	12,000	22,100	39,200	4,180	24,600								18,100 c,d	99,400	4,700	<25.0	255	647	4,150	5,600	32,600	1,700	<2.0	6.2	19	122	463	2,000	<420	<1.0	<1.0	<1.0	<3.0	NM	<6,600
09/03/15	145,000	59,700	3,900	8,150	11,500	1,740	13,200								1,760	2,800	<400	25.5	27.1	5.7	52.6	<100	540	<400	<1.0	<1.0	<1.0	<3.0	<100	<400	<400	<1.0	<1.0	<1.0	<6.6	7.1	NM
09/16/15	107,000	77,600	4,600	8,440	14,300	1,970	14,100								836	2,900	<400	<1.0	1.2	1.1	7.6	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	NM	<6,400
11/13/15	57,700	8,300	<420	3,040	5,140	659	7,670								364 b	<410	<410	<1.0	2.5	<1.0	17.6	<100	<400	<400	<1.0	2.4	<1.0	4.5	407	<400	<400	<1.0	2.1	1.3	19.5	7.2	<19,200
01/15/16	61,800	5,200	1,100	1,230	5,340	1,270	9,350								<100	<400	<400	<1.0	<1.0 f	<1.0 f	<3.0 g	<100	<430	530	<1.0	<1.0	<1.0	<3.0	<100 h	<400	<400	<1.0	<1.0	<1.0	<3.0	9.9	<6,600 e
01/21/16	80,800	1,300	<420	1,540	10,900	1,350	9,860								Not sampled							Not sampled							Not sampled								
02/08/16	8,500	1,100 b	<410	762	801 f	25.6	1,390 g								1,360	<430 i	<430 i	108	68.4	<1.0	207 g	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	6.2	<6,700
03/04/16	69,200	1,500	<380	7,730	10,700	236	9,260								3,630	<410	<410	500	375	18.9	573	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<100 e	<400	<400	<1.0	<1.0	<1.0	<3.0	6.0	<6,800
04/11/16	16,300	1,300	<370	1,400	790	<20	2,670								<100	<410	<410	3.7	<1.0	<1.0	4.4	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	NM	<6,500
04/19/16	NM	NM	NM	NM	NM	NM	NM								NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.1	NM
05/10/16	13,400	1,200	<390	998	352	<5.0	2,730								<100	<400	<400	1.6	<1.0	<1.0	<3.0	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	6.6	<6,400
07/14/16	NM	NM	NM	NM	NM	NM	NM								NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	<250	<190	<290	<0.5	<0.5	<0.5	<1.5	9.3	NM
09/14/16	NM	NM	NM	NM	NM	NM	NM								NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	<250	<180	<270	<0.5	<0.5	<0.5	<1.5	NM	<19,200
10/10/16	91,400	7,900	760	6,820	10,500	1,430	9,520	6,380	10,600	1,400	342	583	47.5	637	<100	850	<430	<1.0	<1.0	<1.0	<3.0	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	9.4	<6,400
11/02/16	123,000	19,500	730	4,660	<100	<100	<300	17,400	6,300	<380	340	832	82.6	683	701	690	1,800	<1.0	<1.0	<1.0	<3.0	<100	<390	560	7	16	2.7	44	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	7.1	<6,300
12/06/16	168,000	61,400	1,900	12,200	28,700	<3,140	23,800	7,130	4,500	<400	304	541	5.2	1,040	647	4,500	<400	4.0	3.9	<1.0	9.2	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	6.3	<6,300
01/01/17	SYSTEM OFF							SYSTEM OFF							SYSTEM OFF							SYSTEM OFF							SYSTEM OFF								
02/27/17	163,000	5,500	<390	9,450	28,800	2,700	19,600	7,630	1,100	<400	305	1,080	71.1	980	291	<400	<400	13.2	39.8	2.3	34.3	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	6.2	<6,500
03/27/17	118,000	3,300	590	16,200	19,400	2,350	14,600	10,500	2,400	<420	1,160	1,300	175	1,340	2,110	740	<400	232	249	33.1	280	<100	<410	<410	1.3	1.4	<1.0	<3.0	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	7.2	<6,400
04/20/17	144,000	5,800	<400	16,300	20,800	2,230	15,300	11,600	3,200	<400	1,180	1,490	129	1,370	2,360	1,100	<550	217	250	19.0	222	<100	<400	<400	4.5	4.6	<1.0	3.9	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	7.5	<6,700
05/11/17	92,900	4,300	<400	5,870	11,100	1,290	14,000	8,490	6,100	460	211	317	23.4	879	543	3,100	<400	43.9	25.5	1.1	44.9	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	7.4	<6,500
06/08/17	49,900	2,000	<400	2,530	4,690	279	5,930	744	1,800	<400	13.6	1.7	<1.0	125	146	<400	<400	25.9	5.7	<1.0	14.8	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	7.8	<6,500
07/10/17	25,000	2,600	<380	1,530	1,360	18.4	3,490	142	480	<390	1.7	<1.0	<1.0	8.2	<100	<400	<400	23.3	5.2	<1.0	<3.0	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	7.6	<6,700
08/23/17	47,700	5,200	<380	6,880	5,210	443	3,910	3,850	2,800	<400	392	235	10.9	358	842	1,000	<390	112	48.7	1.5	74.0	<100	<400	<400	6.1	2.5	<1.0	4.3	<100	450	<360	<1.0	<1.0	<1.0	<3.0	6.3	<6,300
09/21/17	13,500	1,700	<380	1,120	605	69.1	2,010	809	1,200	<370	13.3	8.8	1.5	84.2	<100	2,100	<380	16.7	3.8	<1.0	<3.0	<100	390	<370	<1.0	<1.0	<1.0	<3.0	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	7.3	<6,400
10/16/17	22,500	2,700	<380	1,080	664	30.4	2,110	551	780	<390	11.7	6.2	<1.0	47.6	279	<400	<400	18.4	5.5	<1.0	17.5	<100	<370	<370	2.7	<4.0	<1.0	<3.0	<100	<390	<390	<1.0	8.4	<1.0	<3.0	6.8	<6,200
11/20/17	40,400	13,600	520	2,110	4,450	164	4,490	951	770	<380	11.6	1.9	<1.0	197	<100	520	<390	12.5	3.3	<1.0	<3.0	<100	<380	<380	2.2	<1.0	<1.0	<3.0	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	7.9	<6,400
12/11/17	28,000	6,800	<380	1,560	2,670	56.1	3,220	654	820	<430	1.2	<1.0	<1.0	81.4	<100	750	<380	11.1	2.4	<1.0	<3.0	<100	<370	<370	<1.0	<1.0	<1.0	<3.0	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	8.2	<6,400
01/01/18	SYSTEM OFF							SYSTEM OFF							SYSTEM OFF							SYSTEM OFF							SYSTEM OFF								
02/16/18	49,800	2,200	<390	6,050	7,610	708	5,380	1,050	1,700	<400	175	152	6.8	92.3	<100	<400	<400	12.9	2.5	<1.0	<3.0	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	8.4	<6,500
03/13/18	18,400	2,500	<370	186	71.1	1.2	2,570	1,090	1,700	<370	1	<1.0	<1.0	61.8	<100	<370	<370	12	<1.0	1.9	<1.0	<100	<370	<370	<1.0	<1.0	<1.0	<3.0	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	7.5	<6,300
04/17/18	27,600	1,400	<390	2,020	3,600	133	3,820	2,420	950	<740	1.1	<1.0	<1.0	248	220	<390	<390	14	2.8	<1.0	15.9	<100	780	<380	1.3	<1.0	<1.0	<3.0	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	7.6	<6,400
05/16/18	27,800	2,500	<390	1,030	2,180	171	4,070	706	740	<410	1.1	<1.0	<1.0	70.8	156	<380	<380	11.4	1.9	<1.0	5.8	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	7.8	<6,500
06/13/18	45,600	2,300	<400	2,260	3,430	434	6,930	1,110	3,100	760	15.2	6.6	<1.0	138	209	<400	<400	15.2	3.2	<1.0	34.4	<100	<380	<380	1.1	<1.0	<1.0	<3.0	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	8.4	<6,200
07/17/18	65,300	3,800	<380	5,800	10,600	812	8,490	358	3,100	1,500	9.5	7.0	<1.0	37.9	<100	<390	<390	19.9	3.3	<1.0	<3.0	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	6.5	<6,300
08/13/18	22,500	2,400	<380	2,070	1,780	131	3,110	2,700	3,400	<380	43.8	18.4	1.2	338	<100	<390	<390	14.8	1.7	<1.0	8.5	<100	<380	<380	1.1	<1.0	<1.0	<3.0	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	7.7	<6,200
09/12/18	19,000	1,300	<380	963	1,150	111	2,060	1,680	<380	<380	40.2	32.3	3.6	211	<100	1,000	440	14.9	1.3	<1.0	4.5	<100	1,700	1,600	1.2	<1.0	<1.0	<3.0	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	6.8	<6,900
10/08/18	12,700	880	<390	1,540	820	65.2	1,940	298	490	<390	8.1	2.2	<1.0	33.2	<100	<390	<390	11.1	1.2	<1.0	<3.0	<100	<370	<370	1.2	<1.0	<1.0	<3.0	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	7.8	<6,600
11/08/18	15,300	1,700	<390	2,140	1,240	46.6	2,420	290	1,300	<390	1.9	<1.0	<1.0	10.7	<100	<390	<390	11.2	1.6	<1.0	<3.0	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	6.6	<6,800
12/10/18	31,600	2,100	<390	1,460	2,680	111	3,320	663	1,100	<380	2.1	<1.0	<1.0	59	<100	<390	<390	11.1	2.1	<1.0	<3.0	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	7.1	<5,000
01/09/19	31,400	1,700	<400	1,750	2,830	51.7	3,510	1,080	990	<380	10.8	4.7	<1.0	143	<100	<390	<390	9.7	2.1	<1.0	<3.0	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	8.5	<1,600
02/13/19	24,500	1,200	<390	746	1,090	10.5	2,620	1,890	7,300	650	17.5	13.2	<1.0	257	<100	<380	<380	9.5	2.3	<1.0	6.2	<100	<380	<380	1.5	<1.0	<1.0	<3.0	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	7.5	<1,700
03/22/19	25,200	1,400	<400	1,600	2,960	80.6	3,820	779	3,100	<390	3.4	1.9	<1.0	105	<100	<390	<390	14.2	3.0	<1.0	<3.0	<100	<380	<380	1.3	<1.0	<1.0	<3.0	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	7.2	<6,500
04/03/19	SYSTEM OFF FOR OXIDIZER REPAIR							SYSTEM OFF FOR OXIDIZER REPAIR							SYSTEM OFF FOR OXIDIZER REPAIR							SYSTEM OFF FOR OXIDIZER REPAIR							SYSTEM OFF FOR OXIDIZER REPAIR								
05/22/19	21,600	1,350	<400	1,860	1,860	75.6	2,820	1,150	22,400	2,230	<1.0	<1.0	<1.0	3.4	<100	<400	<400	8.6	2.2	<1.0	<3.0	<100	<370	<370	<1.0	<1.0	<1.0	<3.0	<100	<385	<385	<1.0	<1.0	<1.0	<3.0	7.0	<6,410
06/13/19	8,550	995	<435	443	140	7.9	905	<100	13,300	1,890	<1.0	<1.0	<1.0	<3.0	<100	<417	<417	18	3.0	<1.0	<3.0	<100	<417	<417	1.2	<1.0	<1.0	<3.0	<100	<435	<435	<1.0	<1.0	<1.0	<3.0	7.1	<7,250
07/23/19	37,700	2,780	<400	4,820	4,480	291	2,240	146	462	<385	11.1	5.1	<1.0	<3.0	<100	<385	<385	15.5	3.1	<1.0	<3.0	<100	<408	<408	<1.0	<1.0	<1.0	<3.0	<100	<385	<385	<1.0	<1.0	<1.0	<3.0	7.0	<6,250
08/16/19	104,000	6,760	<400	20,500	15,300	1,180	8,200	1,320	7,930	842	556	31.4	1.5	186	<100	1,050	<455	12.2	2.0	<1.0	<3.0	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<100	<392	<392	<1.0	<1.0	<1.0	<3.0	6.9	<6,490
09/16/19	104,000	5,550	<408	21,000	16,700	933	9,930	841	3,890	<417	201	20.8	2.3	119	<100	862	<435	16.6	2.7	<1.0	<3.0	<100	<417	<417	<1.0	<1.0	<1.0	<3.0	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	7.7	<6,330
10/11/19	111,000	5,090	<385	23,600	15,800	962	11,200	1,120	2,300	<385	542	3.9	3.7	190	<100	<385	<385	6.6	<1.0	<1.0	3.6	<100	<377	<377	<1.0	1.2	<1.0	<3.0	<100	<377	<377	<1.0	<1.0	<1.0	<3.0	7.8	<6,410
11/08/19	136,000	7,890	<377	23,000	20,400	863	13,800	515	1,560	<385	57.1	3.8	1.1	45	<100	<377	<377	7.3	1.3	<1.0	<3.0	<100	<385	<385	<1.0	<1.0	<1.0	<3.0	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	7.3	<6,330
12/16/19	121,000	10,100	618	23,900	19,700	640	13,100	<100	798	<400	4.4	<1.0	<1.0	4.4	<100	<417	<417	7.9	1.4	<1.0	<3.0	<100	<385	<385	<1.0	<1.0	<1.0	<3.0	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	7.8	<6,410
Regulatory Limits (µg/L)):	N/A							N/A							N/A							N/A							N/A			<70	<1,400	<1,700	<2,200	5.5-12	<100,000

Notes and Abbreviations:

mm/dd/yy = month/day/year
Conc. = concentration
TPHg = total petroleum hydrocarbons quantified as gasoline
TPHd = total petroleum hydrocarbons quantified as diesel
TPHmo = total petroleum hydrocarbons quantified as motor oil
FOG = fats, oil, and grease
µg/L = micrograms per liter
<X.X = not detected at or below the detection limit indicated
NM = no measured
TBD = Sample taken during this time and are awaiting results

TPHg analyzed by Method NWTPHd-X.
TPHg analyzed by Method NWTPHg-X.
Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B.
FOG analyzed by Method 1664 HEM.

Table 2

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

			Water Extraction				LNAPL	TPHg			Benzene		
Date (mm/dd/yy)	SV-3102 hrs	Total Uptime*	Totalizer Reading (gallons)	Cumulative Flow (gallons)	Average Flow Rate (gpd)	Average Flow Rate (gpm)	Cumulative 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	393,000	NM	0	13,000	NM	0
05/28/15		NM	42,164	42,164	2,108	1.5	NM	153,000	6.91	0	10,200	0.229	0
06/01/15		NM	119,025	119,025	16,694	11.6	90	NM	21.3	0	NM	1.42	0
06/02/15		NM	130,343	130,343	11,186	7.8	90	NM	14.3	0	NM	0.95	0
06/03/15		NM	143,175	143,175	12,213	8.5	90	NM	15.6	56	NM	1.04	3.5
06/04/15		100%	174,111	174,111	32,517	22.6	90	NM	41.5	98	NM	2.77	6.3
06/05/15		69%	190,602	190,602	19,529	13.6	90	NM	24.9	112	NM	1.66	7.3
06/08/15		83%	248,551	248,551	18,324	12.7	95	NM	23.4	174	NM	1.56	11.4
06/09/15		58%	260,576	260,576	12,025	8.4	97	NM	15.4	183	NM	1.02	12.0
06/10/15		23%	267,688	267,688	8,001	5.6	97	NM	10.2	185	NM	0.68	12.1
06/11/15		5%	NM	NM	NM	NM	100	NM	NM	NM	NM	NM	NM
06/15/15		21%	295,654	295,654	6,645	4.6	105	NM	8.5	193	NM	0.57	12.6
06/16/15		38%	304,658	304,658	10,373	7.2	125	660,000	57.1	212	22,100	1.91	13.3
09/02/15		1%	329,320	329,320	316	0.2	135	NM	1.7	213	NM	0.06	13.3
09/03/15		0%	333,120	333,120	4,800	3.3	135	145,000	5.8	213	8,150	0.33	13.3
09/08/15		2%	337,021	337,021	747	0.5	151	NM	0.9	214	NM	0.05	13.3
09/09/15		22%	343,401	343,401	6,586	4.6	156	NM	8.0	215	NM	0.45	13.4
09/10/15		97%	366,411	366,411	31,557	21.9	160	NM	38.2	242	NM	2.15	14.9
09/16/15		NM	368,733	368,733	374	0.3	160	107,000	0.3	NM	8,440	0.03	NM
09/17/15		18%	394,204	394,204	23,288	16.2	188	NM	20.8	269	NM	1.64	17.1
09/18/15		NM	407,869	407,869	15,869	11.0	204	NM	14.2	NM	NM	1.12	NM
09/22/15		NM	409,896	409,896	486	0.3	219	NM	0.4	NM	NM	0.03	NM
09/24/15		NM	423,762	423,762	7,006	4.9	224	NM	6.3	NM	NM	0.49	NM
09/25/15		35%	430,097	430,097	6,693	4.6	224	NM	6.0	288	NM	0.47	18.5
09/28/15		101%	468,461	468,461	12,962	9.0	254	NM	11.6	323	NM	0.91	21.3
09/28/15		97%	NM	NM	NM	NM	254	NM	NM	NM	NM	NM	NM
11/04/15		NM	472,794	NM	NM	NM	254	NM	NM	NM	NM	NM	NM
11/04/15		NM	472,814	NM	NM	NM	254	NM	NM	NM	NM	NM	NM
01/14/16		NM	472,820	NM	NM	NM	254	NM	NM	NM	NM	NM	NM
01/15/16		NM	475,012	470,653	1,948	1.4	254	NM	NM	NM	NM	NM	NM
01/19/16		NM	476,154	NM	NM	NM	254	NM	NM	NM	NM	NM	NM
01/20/16		NM	477,419	471,918	1,080	0.8	254	NM	NM	NM	NM	NM	NM
01/21/16		NM	489,519	484,018	12,410	8.6	264	80,800	8.4	343	1,540	0.16	21.7
01/26/16		NM	537,500	531,999	10,028	7.0	264	NM	6.8	NM	NM	0.13	NM
01/27/16		100%	549,300	543,799	10,554	7.3	279	NM	7.1	385	NM	0.14	22.5
01/28/16		98%	566,046	560,545	18,722	13.0	284	NM	12.6	396	NM	0.24	22.7
02/01/16		100%	NM	NM	NM	NM	284	NM	NM	NM	NM	NM	NM
02/02/16		100%	649,526	644,025	16,375	11.4	284	NM	11.0	453	NM	0.21	23.8
02/08/16		99%	718,614	713,113	11,628	8.1	284	8,500	0.8	458	762	0.07	24.2
02/10/16		98%	738,027	732,526	9,541	6.6	284	NM	0.7	460	NM	0.06	24.3
02/17/16		68%	779,343	773,842	5,873	4.1	284	NM	0.4	462	NM	0.04	24.5
02/18/16		100%	783,228	777,727	3,872	2.7	284	NM	0.3	462	NM	0.02	24.5
02/19/16		100%	787,922	782,421	5,082	3.5	284	NM	0.4	462	NM	0.03	24.5
02/24/16		100%	800,538	795,037	2,499	1.7	284	NM	0.2	463	NM	0.02	24.6
02/29/16		100%	811,196	805,695	2,162	1.5	284	NM	0.2	464	NM	0.01	24.7
03/03/16		100%	818,810	813,309	2,468	1.7	284	NM	0.2	464	NM	0.02	24.7
03/04/16		98%	822,699	817,198	4,148	2.9	284	69,200	2.4	467	7,730	0.27	25.0
03/08/16		100%	836,974	831,473	3,541	2.5	284	NM	2.0	475	NM	0.23	25.9
03/14/16		99%	858,572	853,071	3,596	2.5	284	NM	2.1	487	NM	0.23	27.3
03/21/16	81	74%	874,773	869,272	2,313	1.6	284	NM	1.3	494	NM	0.15	28.1
03/31/16	1,637	100%	905,470	899,969	3,057	2.1	284	NM	1.8	512	NM	0.20	30.1
04/07/16	1,948	100%	924,033	918,532	2,668	1.9	284	NM	1.5	523	NM	0.17	31.3
04/11/16	0.841	101%	931,356	925,855	1,812	1.3	NM	16,300	NM	NM	1,400	NM	NM
04/18/16		98%	935,543	930,042	620	0.4	284	NM	0.1	524	NM	0.01	31.3
04/19/16		87%	935,960	930,459	417	0.3	284	NM	0.1	524	NM	0.00	31.3
04/21/16		94%	939,503	934,002	1,890	1.3	286	NM	0.3	524	NM	0.02	31.4
04/25/16		100%	945,414	939,913	1,478	1.0	286	NM	0.2	525	NM	0.02	31.4
05/03/16		90%	960,595	955,094	2,094	1.5	294	NM	0.3	527	NM	0.02	31.6
05/04/16		30%	961,300	955,799	2,820	2.0	294	NM	0.4	527	NM	0.03	31.6
05/10/16		100%	968,802	963,301	1,217	0.8	295	13,400	0.1	528	998	0.01	31.7
05/13/16		100%	972,250	966,749	1,166	0.8	295	NM	0.1	528	NM	0.01	31.7
05/17/16		100%	975,853	970,352	901	0.6	295	NM	0.1	529	NM	0.01	31.8
05/20/16		100%	979,324	973,823	1,190	0.8	295	NM	0.1	529	NM	0.01	31.8
05/23/16		100%	982,934	977,433	1,155	0.8	295	NM	0.1	529	NM	0.01	31.8
05/24/16		100%	984,358	978,857	1,799	1.2	295	NM	0.2	530	NM	0.01	31.8
05/26/16		100%	986,561	981,060	979	0.7	295	NM	0.1	530	NM	0.01	31.8
07/14/16		NA	988,514	983,013	15,624	10.9	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
10/10/16		NA	990,903	985,402	NA	NA	295	91,400	NM	NM	6,820	NM	NM
10/24/16		NA	992,031	986,530	NA	NA	295	NM	NM	NM	NM	NM	NM
10/25/16		33%	996,053	990,552	12,066	8.4	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	295	NM	13.9	546	NM	1.04	33.0
11/02/16	--	--	--	--	--	--	--	123,000	NM	NM	4,660	NM	NM

Table 2

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

			Water Extraction				LNAPL	TPHg			Benzene		
Date (mm/dd/yy)	SV-3102 hrs	Total Uptime*	Totalizer Reading (gallons)	Cumulative Flow (gallons)	Average Flow Rate (gpd)	Average Flow Rate (gpm)	Cumulative recovery (gallons)	Influent Conc. (µg/L)	Removal Rate (ppd)	Cumulative Recovery (pounds)	Influent Conc. (µg/L)	Removal Rate (ppd)	Cumulative Recovery (pounds)
11/08/16	3,453	95%	1,173,110	1,167,609	12,870	8.9	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	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	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	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	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	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	810	NM	11.1	820	NM	0.42	43.4
12/05/16	3,813	46%	1,294,611	1,289,110	10,451	7.3	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	1825	NM	1.8	1,641	NM	0.09	122.0
10/16/17 9:30	8,535	100%	2,569,277	2,563,776	1,577	1.1	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	1825	27,800	2.1	1,827	1,030	0.08	132.0

Table 2

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

			Water Extraction				LNAPL	TPHg			Benzene		
Date (mm/dd/yy)	SV-3102 hrs	Total Uptime*	Totalizer Reading (gallons)	Cumulative Flow (gallons)	Average Flow Rate (gpd)	Average Flow Rate (gpm)	Cumulative recovery (gallons)	Influent Conc. (µg/L)	Removal Rate (ppd)	Cumulative Recovery (pounds)	Influent Conc. (µg/L)	Removal Rate (ppd)	Cumulative Recovery (pounds)
5/23/18 15:30	11,667	99%	3,398,479	3,392,978	6,979	4.8	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	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	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	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	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	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	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	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	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	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	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	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	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	2175	NM	1.9	2,074	NM	0.17	151.4
8/30/18 13:30	13,783	100%	611,177	4,039,917	5,379	3.7	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	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	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	2175	NM	1.3	2,107	NM	0.07	153.3
10/8/18 10:00	14,572	96%	856,389	4,285,129	6,097	4.2	2175	12,700	0.81	2,123	1,540	0.06	154.2
10/16/18 11:00	14,686	62%	882,900	4,311,640	5,581	3.9	2175	NM			NM		
10/25/18 9:00	14,885	93%	903,167	4,331,907	2,444	1.7	2175	NM			NM		
10/30/18 12:30	14,991	86%	918,400	4,347,140	3,449	2.4	2175	NM			NM		
11/1/18 7:30	15,035	100%	921,957	4,350,697	1,940	1.3	2175	NM			NM		
11/5/18 8:20	15,132	100%	930,167	4,358,907	2,031	1.4	2175	NM			NM		
11/8/18 8:40	15,205	100%	938,367	4,367,107	2,696	1.9	2175	15,300	0.31	2,137	2,140	0.04	155.6
11/12/18 8:49	15,301	100%	946,787	4,375,527	2,105	1.5	2175	NM			NM		
11/21/18 7:36	15,508	96%	954,927	4,383,667	944	0.7	2175	NM			NM		
11/29/18 8:40	15,627	62%	989,100	4,417,840	6,892	4.8	2175	NM			NM		
12/4/18 8:27	15,744	98%	997,057	4,425,797	1,632	1.1	2175	NM			NM		
12/12/18 7:45	15,932	98%	1,016,647	4,445,387	2,501	1.7	2180	31,600	0.49	2,150	1,460	0.04	156.8
12/21/18 8:35	16,039	92%	1,030,267	4,459,007	3,055	2.1	2180	NM			NM		
1/2/19 8:25	16,328	100%	1,063,537	4,492,277	2,763	1.9	2180	NM			NM		
1/9/19 9:15	16,457	78%	1,078,577	4,507,317	2,798	1.9	2180	31,400	0.74	2,163	1,750	0.04	157.6
1/14/19 9:15	16,578	100%	1,092,267	4,521,007	2,715	1.9	2180	NM			NM		
1/21/19 8:15	16,742	98%	1,103,117	4,531,857	1,588	1.1	2180	NM			NM		
1/28/19 9:09	16,910	99%	1,114,627	4,543,367	1,644	1.1	2180	NM			NM		
2/8/19 10:00	17,170	100%	1,134,637	4,563,377	1,847	1.3	2180	NM			NM		
2/13/19 12:00	17,290	100%	1,144,347	4,573,087	1,942	1.3	2180	24,500	0.45	2,184	746	0.02	158.6
2/18/19 9:50	17,406	100%	1,158,237	4,586,977	2,874	2.0	2180	NM			NM		
2/25/19 8:10	17,572	100%	1,175,557	4,604,297	2,504	1.7	2180	NM			NM		
3/22/19 8:25	17,827	100%	1,196,417	4,625,157	1,963	1.4	2180	25,200	0.41	2,193	1,600	0.02	159.0
3/29/19 9:23	17,995	99%	1,211,678	4,640,418	2,180	1.5	2180	NM			NM		
4/2/19 7:25	18,086	97%	1,221,777	4,650,517	2,663	1.8	2180	NM			NM		
5/9/19 13:00	18,128	23%	1,224,823	4,653,563	1,741	1.2	2180	NM			NM		
5/13/19 11:30	18,221	100%	1,230,900	4,659,640	1,568	1.1	2180	NM			NM		
5/22/19 8:20	18,435	100%	1,241,317	4,670,057	1,168	0.8	2180	21,600	0.23	2,201	1,860	0.02	159.5
5/28/19 7:10	18,578	100%	1,246,707	4,675,447	905	0.6	2180	NM			NM		
6/12/19 7:30	18,915	99%	1,279,535	4,708,275	2,338	1.6	2180	NM			NM		
6/13/19 7:45	18,938	95%	1,283,200	4,711,940	3,824	2.7	2180	8,550	0.48	2,209	443	0.04	160.1
6/20/19 7:00	19,105	100%	1,301,257	4,729,997	2,595	1.8	2180	NM			NM		
7/15/19 8:10	19,176	100%	1,303,809	4,732,549	863	0.6	2220	NM			NM		
7/23/19 10:15	19,365	100%	1,303,809	4,732,549	0	0.0	2237	37,700	0.00	2,213	4,820	0.00	160.4
8/2/19 7:20	19,561	85%	1,305,193	4,733,933	169	0.1	2431	NM			NM		
8/8/19 7:30	19,706	100%	1,306,182	4,734,922	164	0.1	2510	NM			NM		
8/16/19 7:00	19,885	93%	1,308,382	4,737,122	295	0.2	2593	104,000	0.17	2,215	20,500	0.03	160.7
8/23/19 6:45	20,011	75%	1,309,770	4,738,510	264	0.2	2593	NM			NM		
8/30/19 6:30	20,179	100%	1,310,858	4,739,598	155	0.1	2816	NM			NM		
9/16/19 9:00	20,548	90%	1,311,908	4,740,648	68	0.05	2960	104,000	0.06	2,218	21,000	0.01	161.3
9/30/19 8:30	20,767	100%	1,312,735	4,741,475	91	0.1	3137	NM			NM		
10/7/19 8:55	20,930	99%	1,313,725	4,742,465	114	0.1	3202	NM			NM		
10/11/19 8:15	21,026	100%	1,313,906	4,742,646	45	0.03	3202	111,000	0.07	2,219	23,600	0.01	161.6
10/16/19 11:30	21,097	100%	1,313,987	4,742,727	27	0.02	3309	NM			NM		
10/23/19 8:00	21,258	98%	1,314,008	4,742,748	3	0.002	3309	NM			NM		
10/28/19 7:15	21,387	100%	1,314,859	4,743,599	158	0.11	3515	NM			NM		
11/4/19 8:15	21,547	100%	1,314,859	4,743,599	0	0.00	3629	NM			NM		
11/8/19 8:30	21,644	100%	1,314,900	4,743,640	10	0.01	3629	136,000	0.04	2,221	23,000	0.008	161.9
11/18/19 8:00	21,883	100%	1,315,640	4,744,380	74	0.05	3758	NM			NM		
11/25/19 7:30	22,051	100%	1,315,640	4,744,380	0	0.00	3816	NM			NM		
12/4/19 8:15	22,202	70%	1,315,740	4,744,480	16	0.01	3816	NM			NM		
12/9/19 7:15	22,319	98%	1,315,786	4,744,526	9	0.01	3898	NM			NM		
12/16/19 11:00	22,487	100%	1,316,046	4,744,786	37	0.03	3898	121,000	0.03	2,222	23,900	0.005	162.1
12/30/19 7:30	22,818	100%	1,317,952	4,746,692	138	0.10	4029	NM			NM		

Table 2

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

			Water Extraction				LNAPL	TPHg			Benzene		
Date (mm/dd/yy)	SV-3102 hrs	Total Uptime*	Totalizer Reading (gallons)	Cumulative Flow (gallons)	Average Flow Rate (gpd)	Average Flow Rate (gpm)	Cumulative recovery (gallons)	Influent Conc. (µg/L)	Removal Rate (ppd)	Cumulative Recovery (pounds)	Influent Conc. (µg/L)	Removal Rate (ppd)	Cumulative Recovery (pounds)
Regulatory Limits:					<72,000	50		Total recovery (pounds):		2,222	Total recovery (pounds):		162.1

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

All readings and data are field collected excluding influent concentrations

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

Table 3

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

	Influent					Effluent				
Date (mm/dd/yy)	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
10/08/18	371	10.1 a	13	2.51	18.96	1.3	0.0118	0.0224	0.0082	0.0658
11/08/18	70.3	4.72 a	3.29	0.823	7.79	0.321	0.003	0.0019	0.00065	0.0048
12/10/18	67.1	1.97 a	4.35	0.716	6.93	0.544	0.00097	0.0021	0.00062	0.0049
01/09/19	19.3	0.415 a	1.23	0.187	1.06	0.642	0.0029	0.0031	<0.00042	0.00232
02/13/19	613	11 a	36.1	5.46	38.58	0.743	0.0014	0.0047	0.0011	0.008
03/22/19	1,190	24.8 a	37.5	7.51	50.4	0.588	0.0027	0.0034	0.0007	0.0045
04/03/19	SYSTEM OFF FOR OXIDIZER REPAIR					SYSTEM OFF FOR OXIDIZER REPAIR				
05/22/19	115	2.3 a	6.2	1.06	7.51	0.693	0.0039	0.0068	0.0013	0.0041
06/13/19	136	0.819 a	3.67	1.10	7.14	2.68	0.0447	0.0434	0.0262	0.0838
07/23/19	104	1.08 a	2.14	0.768	5.15	0.9	0.0018	0.0063	0.00074	0.0056
08/16/19	42.3	0.759 a	0.877	0.187	1.268	2.05	0.004	0.0037	0.001	0.0049
09/16/19	97.1	1.12 a	1.31	0.352	1.893	0.67	0.0032	0.0060	0.00094	0.0073
10/11/19	13.3	0.196 a	0.471	0.155	0.990	1.09	0.0008	0.0171	<0.0004	<0.0012
11/08/19	113	1.610 a	7.17	1.39	9.22	0.093	0.0041	0.0059	0.00075	0.00363
12/16/19	3.01	0.0758 a	0.106	0.0131	0.0825	0.207	0.00071	0.0016	0.00046	0.0019
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.

Table 4

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

			Soil Vapor Extraction										TPHg				Benzene		
Date (mm/dd/yy)	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 Concentration (Field) (ppmv)	TPHg Influent Concentration (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)
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	422	2,165	0.58	99.9%	4.6	23	0.0022
06/02/15	132	37%	6.5	88.4	8.0	NM	393	147	900		1,409	832	424	2,324	0.59	99.9%	4.6	25	0.0022
06/03/15	141	36%	7.0	95.2	8.0	NM	792	153	1,200		1,425	882	853	2,644	1.18	99.9%	9.3	29	0.0044
06/04/15	163	96%	6.0	81.6	8.0	NM	809	155	6,400		1,416	867	872	3,443	1.21	99.9%	9.5	37	0.0045
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	649	3,470	0.90	99.9%	7.0	38	0.0033
06/10/15	169	23%	9.0	122.4	10.0	NM	707	151	1,800		1,458	885	219	3,516	0.61	99.7%	2.5	38	0.0037
06/11/15	171	10%	7.0	95.2	7.0	NM	793	140	1,428		1,432	878	245	3,536	0.68	99.7%	2.8	38	0.0042
06/15/15	194	23%	9.0	122.4	10.0	NM	681	166	1,500		1,407	857	211	3,739	0.58	99.7%	2.4	41	0.0036
06/16/15	203	43%	8.0	108.8	9.0	NM	725	150	2,100		1,436	869	225	3,823	0.62	99.7%	2.6	42	0.0038
09/02/15	215	NA	4.0	54.4	5.0	0.30	467	NM	NM		1,423	854	145	3,895	0.40	99.7%	11.5	47	0.0024
09/03/15	216	5%	8.0	108.8	9.0	0.50	603	NM	1,800		1,411	844	675	3,923	0.45	99.9%	14.9	48	0.0061
09/08/15	223	6%	6.5	88.4	7.5	0.30	475	130	2,000		1,403	822	532	4,078	0.35	99.9%	11.7	51	0.0048
09/09/15	230	30%	6.0	81.6	7.0	0.30	467	150	1,550		1,439	846	523	4,231	0.35	99.9%	11.5	55	0.0048
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	233	4,425	0.30	99.9%	5.2	59	0.0028
09/17/15	276	99%	8	109	9.0	0.40	546	135	1,941		1,441	844	267	4,715	0.35	99.9%	6.0	66	0.0032
09/22/15	290	12%	7.5	102.0	8.5	0.55	635	145	1,700		1,405	832	310	4,896	0.40	99.9%	6.9	70	0.0037
09/24/15	NM	NM	NM	NM	NM	0.45	575	NM	NM		1,440	852	281	NM	0.36	99.9%	6.3	NM	0.0033
09/25/15	338	68%	5.0	68.0	7.0	0.80	763	150	1,600		1,428	856	373	5,641	0.48	99.9%	8.3	86	0.0044
09/28/15	410	101%	5.5	74.8	6.5	0.80	766	145	900		1,426	867	374	6,765	0.49	99.9%	8.4	111	0.0045
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	0.13	6,765	0.04	69.6%	0.0034	111	0.0007
01/28/16	447	98%	6.0	81.6	7.5	0.03	147	160	68		1,426	849	0.13	6,765	0.04	69.6%	0.0034	111	0.0007
02/02/16	572	100%	6.0	81.6	7.5	0.04	169	160	48		1,421	847	0.51	6,768	0.27	48.1%	0.0039	111	0.0008
02/08/16	717	100%	6.0	81.6	7.5	0.04	169	160	12		1,427	846	0.51	6,771	0.27	48.1%	0.0049	111	0.0033
02/10/16	767	100%	6.5	88.4	7.5	NM	NM	160	96		1,419	845	0.96	6,773	0.00	100.0%	0.0093	112	0.0062
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	0.96	6,776	0.50	48.1%	0.0093	112	0.0062
02/19/16	878	100%	3.0	40.8	5.5	0.30	467	150	1.2		1,435	855	1.41	6,777	0.73	48.1%	0.0136	112	0.0091
02/24/16	880	2%	SVE system turned off.																
07/11/16	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	0.11	6,778	0.50	NA	0.0020	112	0.0003
08/01/16	890	NM	0.0	0.0	0.0	0.3	471	140	NM		1,448	855	0.19	6,778	0.73	NA	0.0034	112	0.0006
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	0.25	6,778	0.61	NA	0.0044	112	0.0007
10/25/16	915	33%	5.0	68.0	7.5	0.9	809	150	1,400		1,425	864	1,087	7,140	9.6	99.1%	13.2	116	0.046
10/26/16	936	100%	5.5	74.8	7.0	0.9	813	145	80.2		1,426	871	1,091	8,095	9.6	99.1%	13.3	128	0.046
11/02/16	--	--	--	--	--	--	--	--	--		--	--	49	--	0.2	99.6%	0.8	--	0.002
11/08/16	1,244	98%	6.0	81.6	6.5	0.3	428	--	205		1,431	852	34	8,532	0.1	99.6%	0.6	135	0.001
11/11/16	1,276	53%	8.0	108.8	8.0	0.4	549	130	406		1,447	864	44	8,590	0.2	99.6%	0.7	136	0.002
11/17/16	1,345	48%	4.5	61.2	5.0	0.3	473	135	118		1,419	846	38	8,698	0.2	99.6%	0.6	138	0.001
11/18/16	1,363	75%	11.0	149.6	11.0	0.3	430	140	557		1,414	839	34	8,724	0.1	99.6%	0.6	138	0.001
11/23/16	1,384	18%	4.5	61.2	3.0	0.4	513	130	112		1,466	865	41	8,759	0.2	99.6%	0.7	139	0.001
11/28/16	1,509	100%	4.0	54.4	6.0	0.4	544	140	184		1,446	854	43	8,984	0.2	99.6%	0.7	142	0.002
12/02/16	1,580	74%	9.0	122.4	7.5	0.3	477	125	312		1,436	NM	14	9,025	0.3	97.8%	0.2	143	0.0001
12/05/16	1,613	46%	7.0	95.2	7.5	0.4	551	125	357		1,425	842	16	9,047	0.3	97.8%	0.3	143	0.0001

Table 4

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

			Soil Vapor Extraction										TPHg				Benzene		
Date (mm/dd/yy)	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 Concentration (Field) (ppmv)	TPHg Influent Concentration (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)
12/06/16	1,634	88%	8.0	108.8	10.5	0.4	546	135	99		1,438	849	16	9,061	0.3	97.8%	0.270	144	0.0001
12/15/16	1,672	18%	9.5	129.2	10.0	0.5	611	135	638		1,460	873	18	9,089	0.4	97.8%	0.3	144	0.0001
12/19/16	1,750	81%	NM	NM	NM	NM	NM	NM	NM		NM	NM	18	9,146	0.4	97.8%	0.3	145	0.0001
02/07/17	1,759	1%	0.0	0.0	0.0	0.3	473	NM	44	NM	1,445	848	11	9,151	1.8	84.2%	4.6	147	0.006
02/10/17	1,820	85%	3.5	47.6	3.0	0.2	383	145	212	NM	1,420	835	9	9,174	1.5	84.2%	3.7	156	0.005
02/13/17	1,831	15%	4.0	54.4	5.0	0.2	383	145	140	NM	1,428	NM	9	9,178	1.5	84.2%	3.7	158	0.005
02/15/17	1,879	100%	5.0	68.0	5.5	0.2	382	150	243	NM	1,418	847	9	9,196	1.4	84.2%	3.7	165	0.005
02/27/17	1,975	33%	7.5	102.0	8.0	0.2	382	150	181	64.1	1,425	838	9	9,233	1.4	84.2%	3.7	180	0.005
03/06/17	2,100	74%	6.5	88.4	8.5	0.4	549	130	51	NM	1,449	853	6	9,265	0.2	97.1%	0.1	181	0.0005
03/07/17	2,126	100%	9.0	122.4	6.0	0.3	473	135	410	NM	1,435	844	5	9,271	0.2	97.1%	0.1	181	0.0004
03/13/17	2,165	27%	8.5	115.6	9.5	0.3	471	140	101	NM	1,464	866	5	9,280	0.2	97.1%	0.1	181	0.0004
03/22/17	2,347	84%	11.0	149.6	10.0	0.1	270	150	132	NM	1,448	863	3	9,304	0.1	97.1%	0.04	181	0.0003
03/27/17	2,459	93%	8.0	108.8	9.0	0.2	382	148	62	30.7	1,417	837	4	9,324	0.1	97.1%	0.1	181	0.0004
03/31/17	2,558	100%	5.0	68.0	3.5	0.4	546	135	235	NM	1,428	857	6	9,350	0.2	97.1%	0.1	182	0.0005
04/03/17	2,628	97%	5.0	68.0	3.5	0.4	546	135	41	NM	1,442	864	145	9,773	0.1	99.9%	3.2	191	0.0013
04/17/17	2,959	99%	5.0	68.0	6.0	0.4	542	145	183	NM	1,452	856	144	11,758	0.1	99.9%	3.2	235	0.0013
04/20/17	3,033	100%	4.0	54.4	5.0	0.4	542	145	218	NM	1,445	858	144	12,201	0.1	99.9%	3.2	245	0.0013
04/25/17	3,152	99%	4.0	54.4	4.0	0.4	540	150	330	712	1,432	846	143	12,912	0.1	99.9%	3.2	261	0.0013
05/02/17	3,264	67%	5.0	68.0	6.0	0.4	541	147	88	NM	1,422	853	7	12,944	0.2	97.4%	0.1	261	0.0001
05/11/17	3,482	100%	5.5	74.8	6.5	0.3	469	145	33.2	34	1,423	845	6	12,999	0.2	97.4%	0.1	262	0.0001
05/17/17	3,622	97%	3.0	40.8	5.5	0.4	551	125	227.5	315.6*	1,413	871	65	13,377	0.2	99.7%	0.1	262	0.0001
05/30/17	3,925	97%	3.0	40.8	3.5	0.35	522	110	231	322.2*	1,433	847	63	14,169	0.2	99.7%	0.1	263	0.0001
06/05/17	4,053	89%	2.0	27.2	2.0	0.45	587	120	357	NM	1,432	852	38	14,373	0.9	97.6%	0.00063	263	0.0010
06/09/17	4,145	96%	2.0	27.2	2.5	0.4	555	116	319	174	1,426	845	36	14,511	0.9	97.6%	0.00060	263	0.0010
06/20/17	4,391	93%	1.0	13.6	1.5	0.55	643	130	180	NM	1,463	869	42	14,939	1.0	97.6%	0.00069	263	0.0011
06/26/17	4,532	98%	1.0	13.6	1.0	0.5	616	125	139	NM	1,444	863	40	15,174	1.0	97.6%	0.00066	263	0.0011
07/06/17	4,775	100%	1.0	13.6	1.0	0.5	619	120	276	NM	1,440	860	73	15,917	0.3	99.5%	0.88205	272	0.0009
07/10/17	4,871	100%	0.5	6.8	1.0	0.5	619	120	345	318	1,420	849	73	16,210	0.3	99.5%	0.88205	276	0.0009
07/17/17	5,037	99%	2.5	34.0	2.5	0.40	551	125	406	NM	1,415	826	65	16,662	0.3	99.5%	0.78555	281	0.0008
07/21/17	5,135	100%	2.5	34.0	2.5	0.40	551	125	571	NM	1,432	835	65	16,929	0.3	99.5%	0.78555	284	0.0008
07/31/17	5,370	98%	1.0	13.6	3.0	0.35	513	130	600	NM	1,410	810	61	17,525	0.3	99.5%	0.73169	291	0.0008
08/07/17	5,538	100%	1.0	13.6	1.0	0.40	551	125	NM	NM	1,415	822	29	17,731	0.5	98.3%	0.52904	295	0.0010
08/23/17	5,913	98%	1.0	13.6	1.5	0.55	646	125	283	143	1,433	845	34	18,270	0.6	98.3%	0.62036	305	0.0011
08/30/17	6,083	100%	2.0	27.2	2.0	0.50	613	130	325.5	NM	1,430	842	33	18,501	0.5	98.3%	0.58898	309	0.0011
09/07/17	6,221	96%	2.0	27.2	2.0	0.40	551	125	359	NM	1,411	820	93	19,036	0.6	99.4%	0.68936	313	0.0008
09/20/17	6,368	92%	NM	NM	2.0	0.50	616	125	333	452	1,418	834	104	19,672	0.6	99.4%	0.77073	318	0.0008
09/29/17	6,543	84%	NM	NM	2.0	0.50	613	130	227	NM	1,448	843	103	20,426	0.6	99.4%	0.76745	323	0.0008
10/02/17	6,618	100%	NM	NM	2.0	0.55	646	125	278.1	NM	1,429	843	99	20,734	*0.02*	100%	0.69555	325	0.0007
10/10/17	6,766	83%	2.0	27.2	2.0	0.50	613	130	NM	NM	1,440	847	94	21,311	*0.02*	100%	0.66037	330	0.0006
10/16/17	6,907	98%	NM	NM	2.0	0.55	646	125	239	409	1,427	840	99	21,890	*0.02*	100%	0.69555	334	0.0007
10/20/17	6,995	92%	2.7	36.7	2.5	0.50	616	125	420	NM	1,428	834	94	22,235	*0.02*	100%	0.66318	336	0.0006
11/01/17	7,242	100%	2.0	27.2	1.5	0.50	613	130	342	NM	1,452	861	20	22,445	0.46	98%	0.23202	338	0.0005
11/07/17	7,377	94%	1.5	20.4	1.5	0.50	613	130	199	NM	1,427	844	20	22,560	0.46	98%	0.23202	340	0.0005
11/20/17	7,659	93%	2.0	27.2	2.0	0.45	579	135	67.8	89	1,435	851	19	22,787	0.43	98%	0.21919	342	0.0005
11/29/17	7,823	100%	NM	NM	2.0	0.50	613	130	125	NM	1,440	884	20	22,926	0.46	98%	0.23202	344	0.0005
12/04/17	7,940	98%	2.0	27.2	NM	0.45	579	135	84	NM	1,435	845	40	23,119	0.11	100%	2.64711	357	0.0019
12/07/17	8,014	100%	2.02	27.5	2.0	0.40	544	140	78	NM	1,431	845	37	23,234	0.11	100%	2.48530	364	0.0017
12/11/17	8,115	100%	2.0	27.2	2.0	0.45	579	135	188	183	1,420	836	40	23,400	0.11	100%	2.64711	376	0.0019
12/13/17	8,158	100%	2.0	27.2	NM	0.45	582	130	146	NM	1,426	844	40	23,471	0.11	100%	2.65831	380	0.0019

Table 4

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

			Soil Vapor Extraction										TPHg				Benzene		
Date (mm/dd/yy)	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 Concentration (Field) (ppmv)	TPHg Influent Concentration (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)
12/18/17	8,253	100%	2.0	27.2	2.0	0.45	579	135	88	NM	1,429	850	40	23,628	0.11	100%	2.64711	391	0.0019
12/20/17	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	9	23,673	0.43	95%	1.17531	397	0.0008
02/16/18	8,389	21%	2.0	27.2	2.0	0.50	611	135	113	42	1,456	857	9	23,679	0.46	95%	1.24408	398	0.0009
03/01/18	8,607	99%	2.0	27.2	2.0	0.50	613	130	60.9	NM	1,428	850	14	23,807	0.20	99%	0.37480	401	0.0003
03/05/18	8,699	100%	2.0	27.2	2.0	0.35	511	135	49.4	NM	1,424	844	12	23,857	0.17	99%	0.31226	402	0.0003
03/15/18	8,906	90%	2.5	34.0	2.5	0.35	511	135	94.3	61.7	1,416	830	12	23,958	0.17	99%	0.31226	405	0.0003
03/19/18	8,996	100%	3.0	40.8	3.0	0.35	511	135	403	476.1*	1,425	837	91	24,150	0.17	100%	0.31226	406	0.0003
04/02/18	9,318	98%	2.0	27.2	2.0	0.30	497	80	195	205.8*	1,422	833	141	25,704	0.11	100%	1.87859	431	0.0016
04/06/18	9,343	100%	3.5	47.6	3.5	0.30	471	140	615	NM	1,410	827	134	25,847	0.11	100%	1.78219	433	0.0015
04/12/18	9,435	64%	4.0	54.4	4.0	0.30	471	140	747	NM	1,410	832	134	26,359	0.11	100%	1.78219	440	0.0015
04/17/18	9,549	95%	3.5	47.6	4.0	0.30	471	140	1,072	760	1,414	842	134	26,993	0.11	100%	1.78219	448	0.0015
04/23/18	9,675	88%	3.5	47.6	3.5	0.50	611	135	402	NM	1,432	865	173	27,798	0.14	100%	2.31044	461	0.002
04/30/18	9,841	99%	4.0	54.4	4.0	0.30	473	135	442	NM	1,411	836	134	28,861	0.11	100%	1.78966	473	0.002
05/07/18	10,009	100%	3.0	40.8	3.0	0.35	509	140	207	NM	1,422	843	80	29,612	0.10	100%	0.96249	480	0.001
05/16/18	10,185	81%	2.0	27.2	2.0	0.50	611	135	280	423	1,450	862	96	30,260	0.12	100%	1.15522	488	0.001
05/23/18	10,359	100%	2.0	27.2	2.0	0.50	611	135	214	NM	1,448	868	96	30,958	0.12	100%	1.15522	496	0.001
05/30/18	10,524	98%	4.0	54.4	4.0	0.40	546	135	203	NM	1,425	844	86	31,586	0.11	100%	1.03326	504	0.001
06/06/18	10,685	96%	3.0	40.8	3.0	0.30	473	135	135	NM	1,406	839	164	32,425	0.15	100%	3.75828	529	0.001
06/08/18	10,734	100%	7.0	95.2	7.0	0.35	509	140	145	NM	1,409	842	176	32,773	0.16	100%	4.04246	537	0.001
06/13/18	10,758	100%	7.0	95.2	7.0	0.30	471	140	151	929	1,421	848	163	32,942	0.15	100%	3.74259	541	0.001
06/18/18	10,881	100%	7.0	95.2	7.0	0.25	428	145	315	NM	1,411	842	148	33,741	0.13	100%	3.40236	558	0.001
06/25/18	11,052	100%	6.0	81.6	6.0	0.35	509	140	112	NM	1,421	848	176	34,898	0.16	100%	4.04246	587	0.001
07/03/18	11,242	100%	6.0	81.6	6.0	0.35	507	145	191	NM	1,122	846	31	35,719	0.14	100%	0.31262	590	0.0004
07/17/18	11,577	100%	3.0	40.8	3.0	0.45	577	140	103	164	1,431	856	35	36,182	0.16	100%	0.35595	594	0.0005
07/31/18	11,913	100%	5.0	68.0	5.0	0.40	540	150	810	NM	1,415	835	33	36,660	0.15	100%	0.33283	599	0.0005
08/06/18	12,063	100%	4.5	61.2	4.5	0.45	575	145	198	NM	1,430	845	42	36,896	0.03	100%	0.07240	600	0.0033
08/13/18	12,225	96%	5.0	68.0	5.0	0.35	509	140	260	<6.64	1,443	860	49	37,206	0.02	100%	0.06412	600	0.0029
08/20/18	12,398	100%	4.5	61.2	4.5	0.35	507	145	425	NM	1,434	857	80	37,673	0.02	100%	0.06385	600	0.0029
08/23/18	12,472	100%	4.5	61.2	4.5	0.40	540	150	398	NM	1,431	866	80	37,921	0.02	100%	0.06798	601	0.0031
08/30/18	12,641	100%	5.0	68.0	5.0	0.45	575	145	295	NM	1,443	856	63	38,425	0.03	100%	0.07240	601	0.0033
09/05/18	12,782	98%	6.0	81.6	6.0	0.40	540	150	455	NM	1,413	838	378	39,723	0.24	100%	2.66894	617	0.0020
09/12/18	12,946	98%	6.0	81.6	6.0	0.30	467	150	405	1880	1,413	832	328	42,135	0.21	100%	2.31137	633	0.0017
09/24/18	13,214	93%	5.0	68.0	5.0	0.30	469	145	139	NM	1,479	893	329	45,802	0.21	100%	2.32090	659	0.0017
10/08/18	13,546	99%	5.5	74.8	5.5	0.35	507	145	120.6	371	1,409	830	213	49,550	0.24	100%	1.99812	686	0.002
10/16/18	13,664	65%	4.5	61.2	3.0	0.45	572	150	NM	NM	1,414	834							
10/25/18	13,866	94%	4.0	54.4	4.0	0.40	542	145	245	NM	1,415	829							
10/30/18	13,976	92%	2.0	27.2	2.5	0.50	603	150	NM	NM	1,430	878							
11/01/18	14,020	92%	3.0	40.8	2.5	0.45	575	145	65	NM	1,407	833							
11/05/18	14,119	100%	3.5	47.6	3.5	0.45	577	140	40.6	NM	1,415	830							
11/08/18	14,193	100%	3.5	47.6	3.0	0.40	546	135	67.2	70	1,418	830	45	53,024	0.17	100%	1.17792	729	0.0012
11/12/18	14,291	100%	3.5	47.6	3.5	0.40	546	135	52	NM	1,416	830							
11/21/18	14,504	99%	2.5	34.0	2.0	0.50	608	140	33.7	NM	1,407	831							
11/29/18	14,625	63%	2.0	27.2	2.0	0.35	505	150	NM	NM	1,414	831							
12/04/18	14,745	100%	3.0	40.8	3.0	0.30	471	140	30.8	NM	1,418	825							
12/12/18	14,937	100%	2.5	34.0	2.5	0.40	544	140	11.3	67	1,419	831	14	53,937	0.09	99%	0.52951	756	0.0003
12/21/18	15,051	98%	2.5	34.0	2.0	0.45	579	135	48.7	NM	1,407	830							
01/02/19	15,343	100%	2.75	37.4	2.25	0.25	432	135	14.7	NM	1,421	824							
01/09/19	15,476	79%	2.5	34.0	2.25	0.45	584	125	14.7	19	1,415	842	9	54,199	0.13	99%	0.20277	764	0.0003

Table 4

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

			Soil Vapor Extraction										TPHg				Benzene		
Date (mm/dd/yy)	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 Concentration (Field) (ppmv)	TPHg Influent Concentration (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)
01/14/19	15,598	100%	2.15	29.2	2.25	0.35	520	115	15.2	NM	1,416	841							
01/21/19	15,767	100%	2.5	34.0	2.0	0.50	619	120	32	NM	1,411	850							
01/28/19	15,937	100%	2.5	34.0	2.0	0.50	619	120	8.6	NM	1,414	848							
02/08/19	16,204	100%	2.0	27.2	2.0	0.45	589	115	14.8	NM	1,408	845							
02/13/19	16,348	100%	2.5	34.0	2.0	0.40	553	120	112	613	1,414	843	65	55,556	0.14	100%	0.91894	784	0.0003
02/18/19	16,448	100%	2.5	34.0	2.0	0.45	587	120	1.9	NM	1,410	845							
02/25/19	16,616	100%	2.5	34.0	2.0	0.35	515	125	1.8	NM	1,414	840							
03/22/19	17,124	100%	2.5	34.0	2.0	0.40	551	125	378	1190	1,413	841	185	59,607	0.14	100%	2.86966	845	0.0003
03/29/19	17,296	100%	3.0	40.8	3.0	0.40	551	125	57	NM	1,413	843							
04/02/19	17,389	97%	2.5	34.0	2.0	0.50	616	125	86.2	NM	1,407	840							
05/09/19	17,432	24%	2.5	34.0	3.5	0.40	551	125	NM	NM	1,410	827							
05/13/19	17,526	100%	3.0	40.8	3.5	0.45	572	150	NM	NM	1,408	827							
05/22/19	17,743	100%	2.5	34.0	2.0	0.50	616	125	112.9	115	1,410	844	150	63,930	0.15	100%	2.42869	914	0.0006
05/28/19	17,889	100%	2.5	34.0	2.0	0.50	619	120	76.8	NM	1,414	843							
06/12/19	18,232	95%	2.0	27.2	2.0	0.40	551	125	128	NM	1,408	835							
06/13/19	18,257	100%	2.0	27.2	2.0	0.50	616	125	117	136	1,407	832	29	65,844	0.39	99%	0.27952	943	0.0044
06/20/19	18,426	100%	2.0	27.2	2.0	0.40	551	125	102.1	NM	1,416	830							
07/15/19	18,570	100%	2.0	27.2	1.0	0.60	661	150	37.3	NM	1,408	849							
07/23/19	18,764	100%	2.0	27.2	1.0	0.50	619	120	56.8	104	1,413	843	28	66,441	0.41	99%	0.17092	947	0.0042
08/02/19	18,965	86%	2.0	27.2	2.0	0.50	621	115	40.1	NM	1,408	846							
08/08/19	19,112	100%	2.5	34.0	2.0	0.50	619	120	215.7	NM	1,407	847							
08/16/19	19,295	95%	2.5	34.0	2.0	0.50	619	120	27.3	42	1,413	842	17	66,934	0.34	98%	0.16552	951	0.0005
08/23/19	19,423	76%	2.5	34.0	2.0	0.50	619	120	27.2	NM	1,414	838							
08/30/19	19,594	100%	3.5	47.6	2.5	0.50	621	115	28.6	NM	1,407	836							
09/16/19	19,970	92%	2.8	37.4	2.0	0.50	621	115	19.7	97	1,410	837	16	67,399	0.32	98%	0.16985	956	0.0007
09/30/19	20,192	100%	3.0	40.8	2.5	0.50	619	120	15.4	NM	1,408	845							
10/07/19	20,360	100%	2.5	34.0	2.0	0.45	589	115	13.3	NM	1,409	843							
10/11/19	20,457	100%	2.5	34.0	2.0	0.50	621	115	0.0	13	1,412	843	13	67,691	0.20	98%	0.11731	959	0.0004
10/16/19	20,529	100%	2.0	27.2	2.0	0.50	621	115	33	NM	1,407	844							
10/23/19	20,698	100%	2.5	34.0	2.0	0.20	390	125	22.5	NM	1,412	824							
10/28/19	20,819	100%	2.8	37.4	2.3	0.20	391	120	20.2	NM	1,415	822							
11/04/19	20,992	100%	2.5	34.0	2.0	0.25	437	120	8.4	NM	1,417	828							
11/08/19	21,090	100%	2.5	34.0	2.0	0.20	391	120	42.8	113	1,409	819	11	68,005	0.10	99%	0.12490	962	0.0003
11/18/19	21,334	100%	3.0	40.8	2.5	0.20	390	125	9.5	NM	1,410	819							
11/25/19	21,503	100%	2.5	34.0	2.5	0.20	390	125	9.0	NM	1,419	809							
12/04/19	21,658	72%	2.5	34.0	2.0	0.20	391	120	0.8	NM	1,415	809							
12/09/19	21,777	99%	1.5	20.4	1.0	0.20	390	125	6.5	NM	1,415	810							
12/16/19	21,949	100%	1.75	23.8	1.25	0.20	391	120	0.7	3	1,418	809	8	68,356	0.02	100%	0.09576	966	0.0003
12/30/19	22,285	100%	1.5	20.4	1.0	0.20	391	120	2.9	NM	1,417	810							
Regulatory Limits (ppmv):							**<1,500**				**>1,400**					**>97% when inlet concentrations exceed 200 ppmv**			**<0.085**

Abbreviations and Notes:

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

ALS = Air liquid separator

Table 4

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

			Soil Vapor Extraction										TPHg				Benzene		
Date (mm/dd/yy)	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 Concentration (Field) (ppmv)	TPHg Influent Concentration (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)

SVE = Soil vapor extraction

conc = Concentration

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

°F = Degrees Farenheit

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

All readings and data are field collected excluding influent concentrations

* = 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	---
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	---

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	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
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	

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	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	---
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

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	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	---
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	---

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-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	---	---	---	---	---	---	---
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-3A	12/17/2018	21.85	---	---	---	5.50	16.35	
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	---

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-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-4	12/17/2018	21.28	---	---	---	4.50	16.78	
B-4	3/11/2019	21.28	---	---	---	4.59	16.69	
B-4	6/12/2019	21.28	---	---	---	6.28	15.00	
B-4	12/4/2019	21.28	---	---	---	5.24	16.04	
B-5	1/27/1993	17.97	---	---	---	4.48	13.49	---
B-5	3/12/1993	17.97	---	---	---	7.98	9.99	---
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	---

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	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	---
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	---

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	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	
B-6	12/17/2018	21.00	---	---	---	4.59	16.41	
B-6	3/11/2019	21.00	---	---	---	4.59	16.41	
B-6	6/12/2019	21.00	---	---	---	6.13	14.87	
B-6	12/4/2019	21.00	---	---	---	5.15	15.85	
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	---
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-1R	12/17/2018	20.13	---	---	---	7.24	12.89	
D-1R	3/14/2019	20.13	---	---	---	7.70	12.43	
D-1R	6/12/2019	20.13	---	---	---	8.92	11.21	
D-1R	9/23/2019	20.13	---	---	---	8.01	12.12	
D-1R	12/4/2019	20.13	---	---	---	7.93	12.20	
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			---

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-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				Decomissioned 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-4R	12/17/2018	21.27	---	---	---	6.90	14.37	
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			---
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				Decomissioned 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	---	---	---	---	---	---

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-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-5R	12/17/2018	21.45	---	---	---	8.12	13.33	
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	---
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	---

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-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-1	12/17/2018	25.66	---	---	---	8.73	16.93	---
DPE-1	9/23/2019	25.66	---	---	---	10.96	14.70	---
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-2	12/17/2018	25.15	---	---	---	8.98	16.17	---
DPE-2	9/23/2019	25.15	---	---	---	10.73	14.42	---
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	---
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-3	12/17/2018	25.16	---	---	---	9.66	15.50	---
DPE-3	9/23/2019	25.16	---	---	---	10.63	14.53	---
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-4	12/17/2018	25.25	---	---	---	9.35	15.90	---
DPE-4	9/23/2019	25.25	---	---	---	10.53	14.72	---
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	---

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-5	12/17/2018	25.91	---	---	---	9.76	16.15	---
DPE-5	9/23/2019	25.91	---	---	---	12.03	13.88	---
DPE-6	7/11/2017	---	---	---	---	13.98	---	---
DPE-6	6/11/2018	---	---	---	---	13.12	---	---
DPE-6	9/23/2019	---	12.10	---	0.01	12.11	---	---
DPE-7	7/11/2017	---	13.97	---	0.39	14.36	---	---
DPE-7	6/11/2018	---	---	---	---	13.58	---	---
DPE-7	9/23/2019	---	---	---	---	13.01	---	---
DPE-8	7/11/2017	---	---	---	---	18.96	---	---
DPE-8	6/11/2018	---	15.72	---	0.04	15.76	---	---
DPE-8	9/23/2019	---	---	---	---	11.51	---	---
DPE-9	7/11/2017	---	---	---	---	18.39	---	---
DPE-9	6/11/2018	---	---	---	---	16.02	---	---
DPE-9	9/23/2019	---	---	---	---	12.91	---	---
DPE-10	7/11/2017	---	---	---	---	19.01	---	---
DPE-10	6/11/2018	---	---	---	---	16.19	---	---
DPE-10	12/17/2018	---	---	---	---	12.21	---	---
DPE-10	9/23/2019	---	---	---	---	13.00	---	---
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-11	12/17/2018	25.08	---	---	---	10.36	14.72	---
DPE-11	9/23/2019	25.08	---	---	---	12.46	12.62	---
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-12	12/17/2018	24.72	---	---	---	7.98	16.74	---
DPE-12	9/23/2019	24.72	---	---	---	10.23	14.49	---
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-13	12/17/2018	24.92	---	---	---	9.07	15.85	---
DPE-13	9/23/2019	24.92	---	---	---	10.68	14.24	---
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-14	12/17/2018	20.67	---	---	---	2.31	18.36	---
DPE-14	9/23/2019	20.67	---	---	---	8.93	11.74	---
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-15	12/17/2018	20.62	---	---	---	7.13	13.49	---
DPE-15	9/23/2019	20.62	8.15	12.47	0.06	8.21	12.46	---
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-16	12/17/2018	20.44	---	---	---	5.08	15.36	---
DPE-16	9/23/2019	20.44	---	---	---	6.29	14.15	---
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	---	---
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	---

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	6/11/2018	20.43	---	---	---	8.90	11.53	---
DPE-17	12/17/2018	20.43	---	---	---	7.56	12.87	---
DPE-17	9/23/2019	20.43	---	---	---	8.27	12.16	---
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-18	12/17/2018	20.18	---	---	---	6.98	13.20	---
DPE-18	9/23/2019	20.18	---	---	---	7.85	12.33	---
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-19	12/17/2018	21.98	---	---	---	6.92	15.06	---
DPE-19	9/23/2019	21.98	---	---	---	8.60	13.38	---
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-20	12/17/2018	20.49	---	---	---	7.69	12.80	---
DPE-20	9/23/2019	20.49	---	---	---	8.43	12.06	---
DPE-21	7/11/2017	---	---	---	---	8.37	---	---
DPE-21	9/23/2019	---	---	---	---	5.07	---	---
DPE-22	7/11/2017	---	---	---	---	9.39	---	---
DPE-22	6/11/2018	---	---	---	---	9.12	---	---
DPE-22	9/23/2019	---	---	---	---	8.24	---	---
DPE-23	7/11/2017	---	9.93	---	0.01	9.94	---	---
DPE-23	6/11/2018	---	---	---	---	9.52	---	---
DPE-23	9/23/2019	---	---	---	---	8.88	---	---
DPE-24	7/11/2017	---	---	---	---	10.25	---	---
DPE-24	6/11/2018	---	---	---	---	9.80	---	---
DPE-24	9/23/2019	---	---	---	---	8.50	---	---
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-25	3/11/2019	---	7.44	---	0.06	7.50	---	---
DPE-25	6/12/2019	---	6.48	---	0.15	6.63	---	---
DPE-25	9/23/2019	---	8.60	---	0.07	8.67	---	---
DPE-25	12/4/2019	---	7.14	---	0.07	7.21	---	
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-26	3/11/2019	---	7.46	---	1.2	8.66	---	---
DPE-26	6/12/2019	---	7.88	---	2.62	10.50	---	---
DPE-26	9/23/2019	---	8.07	---	1.85	9.92	---	---
DPE-26	12/4/2019	---	7.75	---	1.11	8.86	---	
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-27	3/11/2019	---	7.30	---	2.04	9.34	---	---
DPE-27	6/12/2019	---	10.62	---	0.18	10.80	---	---
DPE-27	9/23/2019	---	---	---	---	8.44	---	---
DPE-27	12/4/2019	---	7.68	---	0.02	7.70	---	
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-28	9/23/2019	---	---	---	---	8.04	---	---
DPE-28	12/4/2019	---	---	---	---	7.31	---	
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-29	12/17/2018	20.93	---	---	---	7.41	13.52	---

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-29	9/23/2019	20.93	---	---	---	8.10	12.83	---
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-30	12/17/2018	22.67	---	---	---	9.40	13.27	---
DPE-30	9/23/2019	22.67	---	---	---	10.20	12.47	---
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-31	3/11/2019	---	---	---	---	8.20	---	---
DPE-31	12/4/2019	---	---	---	---	8.60	---	
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	---	---
DPE-32	3/11/2019	---	---	---	---	7.88	---	---
DPE-32	6/12/2019	---	8.66	---	2.58	11.24	---	---
DPE-32	9/23/2019	---	8.60	---	0.01	8.61	---	---
DPE-32	12/4/2019	---	8.12	---	2.86	10.98	---	
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-33	12/17/2018	21.05	---	---	---	6.49	14.56	---
DPE-33	12/4/2019	21.05	---	---	---	8.35	12.70	
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-34	12/17/2018	20.62	---	---	---	5.68	14.94	---
DPE-34	12/4/2019	20.62	---	---	---	5.84	14.78	
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-35	3/11/2019	---	7.22	---	5.34	12.56	---	---
DPE-35	6/12/2019	---	8.43	---	4.75	13.18	---	---
DPE-35	9/23/2019	---	8.00	---	3.85	11.85	---	---
DPE-35	12/4/2019	---	8.20	---	0.31	8.51	---	
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-36	3/11/2019	---	7.60	---	0.03	7.63	---	---
DPE-36	12/4/2019	---	---	---	---	7.82	---	
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-37	12/17/2018	20.80	---	---	---	7.21	13.59	---
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-38	12/17/2018	20.28	---	---	---	4.73	15.55	---
DPE-38	12/4/2019	20.28	---	---	---	5.62	14.66	
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	---

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-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-39	12/17/2018	20.96	7.30	13.66	3.66	10.96	12.93	---
DPE-39	3/11/2019	20.96	7.31	13.65	6	13.31	12.45	---
DPE-39	6/12/2019	21.69	7.37	14.32	5.03	12.40	13.31	---
DPE-39	9/23/2019	20.96	8.48	12.48	0.65	9.13	12.35	---
DPE-39	12/4/2019	20.96	7.95	13.01	1.67	9.62	12.68	
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-40	3/11/2019	---	7.41	---	3.37	10.78	---	---
DPE-40	6/12/2019	---	8.33	---	4.77	13.10	---	---
DPE-40	9/23/2019	---	8.00	---	1.65	9.65	---	---
DPE-40	12/4/2019	---	7.95	---	0.28	8.23	---	
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-41	3/11/2019	---	7.60	---	3.43	11.03	---	---
DPE-41	6/12/2019	---	8.30	---	3.32	11.62	---	---
DPE-41	9/23/2019	---	8.32	---	2.02	10.34	---	---
DPE-41	12/4/2019	---	8.21	---	0.33	8.54	---	
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-42	12/17/2018	20.94	---	---	---	6.55	14.39	---
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-43	12/17/2018	21.15	---	---	---	4.86	16.29	---
DPE-43	12/4/2019	21.15	5.60	15.55	0.38	5.98	15.47	
DPE-44	7/11/2017	---	---	---	---	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	---	---
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-45	12/17/2018	21.10	6.90	14.2	0.31	7.21	14.14	---
DPE-45	12/4/2019	21.10	7.56	13.54	0.36	7.92	13.47	
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-46	12/4/2019	---	---	---	---	8.49	---	
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-47	12/17/2018	21.06	---	---	---	4.84	16.22	---
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-48	12/4/2019	---	---	---	---	9.28	---	
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-49	3/11/2019	---	7.45	---	6.55	14.00	---	---
DPE-49	6/12/2019	---	8.12	---	2.68	10.80	---	---

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
DPE-49	9/23/2019	---	8.68	---	1.52	10.20	---	---
DPE-49	12/4/2019	---	8.58	---	0.64	9.22	---	
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-50	12/4/2019	---	---	---	---	9.19	---	
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-51	12/4/2019	---	---	---	---	9.80	---	
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-52	12/4/2019	---	8.92	---	0.26	9.18	---	
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-53	12/17/2018	21.15	---	---	---	7.68	13.47	---
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-54	3/11/2019	---	8.89	---	0.13	9.02	---	---
DPE-54	12/4/2019	---	9.11	---	0.15	9.26	---	
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-56	12/4/2019	---	8.58	---	3.47	12.05	---	
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	---
DPE-57	12/4/2019	21.46	8.49	12.97	0.77	9.26	12.82	
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	---
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

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	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				Decomissioned 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	---
HA-2	8/19/2014				Decomissioned 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

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-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			Not Monitored			NM
HA-3	8/25/2009	21.09			Not Monitored			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				Decomissioned 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			Not Monitored			NM
HA-4	8/25/2009	21.05			Not Monitored			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	---
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				Decomissioned 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

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	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
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	---

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	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
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

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	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				Decomissioned 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	---
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

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-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				Decomissioned 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
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

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	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	---
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				Decomissioned 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	---

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-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	---	---	---	8.20	12.95	NM
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

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-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	---
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	---

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	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
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

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	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	---
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

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	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
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

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	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				Decomissioned 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
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	---

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	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				Decomissioned Well			
HA-17	8/11/2003	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
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				Decomissioned Well			
HA-18	8/11/2003	21.51			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

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	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	---
HA-18	5/5/2014	21.51	---	---	---	4.74	16.77	---
HA-18	8/19/2014				Decomissioned 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

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	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	---
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

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	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
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			Decomissioned 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

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	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
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

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	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
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	---

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-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
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

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	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	---
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

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	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
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	---
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	---
LAIX-5	12/17/2018	25.63	---	---	---	7.18	18.45	---
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
LAI-6	11/20/2003	22.86	7.22	15.64	0.01	7.23	15.64	15.65

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	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	---
LAIX-6	12/17/2018	25.25	---	---	---	7.63	17.62	---
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
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

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	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	---
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
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

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	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	---
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

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-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
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	---

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	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	---
LAIX-9	12/17/2018	25.55	---	---	---	7.82	17.73	---
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
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

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	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
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

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	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
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

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	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
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

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	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-13	9/23/2019	21.53	---	---	---	7.05	14.48	---
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
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

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	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	---
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-14	9/23/2019	21.69	---	---	---	7.21	14.48	---
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

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	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
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

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	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
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			---

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	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
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

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	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
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

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	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
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	---
RWX-2	12/17/2018	26.20	---	---	---	5.39	20.81	---
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

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	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
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

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	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	15.04
RW-4	11/24/2002	23.02	7.57	15.45	2.52	10.09	14.82	16.96
RW-4	1/3/2003	23.02	6.31	16.71	0.50	6.81	16.59	17.02
RW-4	1/6/2003	23.02	6.02	17.00	0.04	6.06	16.99	17.37
RW-4	1/7/2003	23.02	5.74	17.28	0.18	5.92	17.24	17.42
RW-4	1/8/2003	23.02	5.67	17.35	0.14	5.81	17.32	17.45
RW-4	1/9/2003	23.02	5.67	17.35	0.19	5.86	17.30	17.39
RW-4	1/10/2003	23.02	5.76	17.26	0.25	6.01	17.20	17.40
RW-4	1/13/2003	23.02	5.80	17.22	0.35	6.15	17.13	17.32
RW-4	1/14/2003	23.02	5.85	17.17	0.29	6.14	17.10	18.87
RW-4	1/15/2003	23.02	5.05	17.97	1.80	6.85	17.52	17.38
RW-4	1/16/2003	23.02	5.78	17.24	0.27	6.05	17.17	17.44
RW-4	1/17/2003	23.02	5.72	17.30	0.27	5.99	17.23	17.33
RW-4	1/20/2003	23.02	5.84	17.18	0.30	6.14	17.11	17.37
RW-4	1/22/2003	23.02	5.82	17.20	0.34	6.16	17.12	17.19
RW-4	1/23/2003	23.02	6.12	16.90	0.58	6.70	16.76	17.24
RW-4	1/24/2003	23.02	5.97	17.05	0.38	6.35	16.96	17.58
RW-4	1/27/2003	23.02	5.51	17.51	0.13	5.64	17.48	17.57
RW-4	1/28/2003	23.02	5.50	17.52	0.10	5.60	17.50	17.70
RW-4	1/29/2003	23.02	5.36	17.66	0.07	5.43	17.64	17.64
RW-4	1/30/2003	23.02	5.45	17.57	0.13	5.58	17.54	17.47
RW-4	2/3/2003	23.02	5.66	17.36	0.21	5.87	17.31	17.57
RW-4	2/6/2003	23.78	6.35	17.43	0.28	6.63	17.36	17.23
RW-4	2/11/2003	23.78	6.75	17.03	0.39	7.14	16.93	17.10
RW-4	2/18/2003	23.78	7.22	16.56	1.07	8.29	16.29	17.17
RW-4	2/21/2003	23.78	7.10	16.68	0.97	8.07	16.44	17.46
RW-4	2/26/2003	23.78	6.74	17.04	0.84	7.58	16.83	16.77
RW-4	3/4/2003	23.78	7.08	16.70	0.14	7.22	16.67	16.65
RW-4	3/12/2003	23.78	7.34	16.44	0.41	7.75	16.34	16.90
RW-4	3/14/2003	23.78	7.20	16.58	0.64	7.84	16.42	17.37
RW-4	3/26/2003	23.78	6.61	17.17	0.40	7.01	17.07	16.87
RW-4	3/28/2003	23.78	7.15	16.63	0.47	7.62	16.51	16.69
RW-4	4/2/2003	23.78	7.21	16.57	0.24	7.45	16.51	16.34
RW-4	4/4/2003	23.78	7.52	16.26	0.15	7.67	16.22	16.52
RW-4	4/8/2003	23.78	---	---	---	7.26	16.52	16.08
RW-4	4/11/2003	23.78	7.72	16.06	0.03	7.75	16.05	16.67
RW-4	4/15/2003	23.78	7.14	16.64	0.06	7.20	16.63	16.00
RW-4	4/17/2003	23.78	7.82	15.96	0.08	7.90	15.94	15.95
RW-4	4/22/2003	23.78	7.87	15.91	0.08	7.95	15.89	15.93
RW-4	4/25/2003	23.78	7.91	15.87	0.11	8.02	15.84	15.53
RW-4	5/2/2003	23.78	8.32	15.46	0.13	8.45	15.43	15.44
RW-4	5/6/2003	23.78	8.50	15.28	0.31	8.81	15.20	15.24
RW-4	5/9/2003	23.78	8.72	15.06	0.36	9.08	14.97	15.42
RW-4	5/23/2003	23.78	8.92	14.86	1.11	10.03	14.58	14.99
RW-4	5/28/2003	23.78	8.80	14.98	0.02	8.82	14.98	15.74
RW-4	6/13/2003	23.78	8.90	14.88	1.72	10.62	14.45	15.91
RW-4	6/18/2003	23.78	8.85	14.93	1.96	10.81	14.44	15.09
RW-4	6/27/2003	23.78	9.40	14.38	1.42	10.82	14.03	14.88
RW-4	7/7/2003	23.78	9.54	14.24	1.27	10.81	13.92	15.07
RW-4	7/16/2003	23.78	9.41	14.37	1.40	10.81	14.02	14.26
RW-4	7/31/2003	23.78	9.95	13.83	0.85	10.80	13.62	14.45
RW-4	8/5/2003	23.78	9.82	13.96	0.98	10.80	13.72	13.41
RW-4	8/11/2003	23.78	10.84	12.94	0.94	11.78	12.71	13.37
RW-4	8/22/2003	23.78	10.87	12.91	0.92	11.79	12.68	13.64
RW-4	8/26/2003	23.78	10.36	13.42	0.44	10.80	13.31	13.85
RW-4	9/2/2003	23.78	10.22	13.56	0.58	10.80	13.42	12.98
RW-4	9/9/2003	23.78	---	---	---	10.80	12.98	12.97
RW-4	9/19/2003	23.78	---	---	---	10.81	12.97	12.98
RW-4	10/14/2003	23.78	---	---	---	10.80	12.98	16.59
RW-4	11/20/2003	23.78	7.96	15.82	1.54	9.50	15.44	17.55
RW-4	12/3/2003	23.78	6.75	17.03	1.03	7.78	16.77	17.63
RW-4	1/19/2004	23.78	6.18	17.60	0.06	6.24	17.59	16.84
RW-4	2/24/2004	23.78	6.97	16.81	0.06	7.03	16.80	15.68
RW-4	3/15/2004	23.78	---	---	---	8.10	15.68	15.07
RW-4	4/19/2004	23.78	---	---	---	8.71	15.07	14.05
RW-4	5/17/2004	23.78	---	---	---	9.73	14.05	14.21
RW-4	6/22/2004	23.78	---	---	---	9.57	14.21	13.64
RW-4	8/18/2004	23.78	10.35	13.43	0.42	10.77	13.33	14.35
RW-4	9/21/2004	23.78	9.53	14.25	0.19	9.72	14.20	15.35
RW-4	10/19/2004	23.78	8.63	15.15	0.39	9.02	15.05	14.87
RW-4	11/23/2004	23.78	8.94	14.84	0.05	8.99	14.83	17.14
RW-4	12/21/2004	23.78	6.68	17.10	0.08	6.76	17.08	16.04
RW-4	1/13/2005	23.78	---	---	---	7.74	16.04	

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	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	---
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

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-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			
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	---

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	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
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

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	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	---
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

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	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
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	---
RWX-7	12/17/2018	24.71	---	---	---	6.84	17.87	---
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

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
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
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

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-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	---	---	---	---	---	---
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-1	12/17/2018	20.51	---	---	---	7.48	13.03	---
MW-1	3/14/2019	20.51	---	---	---	7.70	12.81	---
MW-1	6/12/2019	20.51	---	---	---	8.83	11.68	---
MW-1	9/23/2019	20.51	---	---	---	8.85	11.66	---
MW-1	12/4/2019	20.51	---	---	---	8.90	11.61	
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-2	12/17/2018	20.29	---	---	---	7.67	12.62	---
MW-2	3/14/2019	20.29	---	---	---	7.68	12.61	---
MW-2	6/12/2019	20.29	---	---	---	9.07	11.22	---
MW-2	9/23/2019	20.29	---	---	---	8.03	12.26	---
MW-2	12/4/2019	20.29	---	---	---	7.83	12.46	
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	---

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-3	8/28/2018	21.21	---	---	---	10.81	10.40	---
MW-3	12/17/2018	21.21	---	---	---	6.65	14.56	---
MW-3	3/14/2019	21.21	---	---	---	6.44	14.77	---
MW-3	6/12/2019	21.21	---	---	---	9.46	11.75	---
MW-3	9/23/2019	21.21	---	---	---	8.88	12.33	---
MW-3	12/4/2019	21.21	---	---	---	7.24	13.97	
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-4	12/17/2018	20.44	---	---	---	5.22	15.22	---
MW-4	3/14/2019	20.44	---	---	---	5.68	14.76	---
MW-4	6/12/2019	20.44	---	---	---	8.69	11.75	---
MW-4	9/23/2019	20.44	---	---	---	6.59	13.85	---
MW-4	12/4/2019	20.44	---	---	---	6.50	13.94	
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	---
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-5	12/17/2018	21.32	---	---	---	7.94	13.38	---
MW-5	3/11/2019	21.32	---	---	---	8.26	13.06	---
MW-5	6/12/2019	21.32	---	---	---	9.47	11.85	---
MW-5	9/23/2019	21.32	---	---	---	8.81	12.51	---
MW-5	12/4/2019	21.32	---	---	---	8.35	12.97	
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-6	12/17/2018	22.30	---	---	---	9.07	13.23	---
MW-6	3/14/2019	22.30	---	---	---	9.40	12.90	---
MW-6	6/12/2019	22.30	---	---	---	10.50	11.80	---
MW-6	9/23/2019	22.30	---	---	---	9.94	12.36	---
MW-6	12/4/2019	22.30	---	---	---	9.44	12.86	
MW-7	11/14/2011	22.10	---	---	---	10.21	11.89	---

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-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-7	12/17/2018	22.10	---	---	---	8.64	13.46	---
MW-7	3/11/2019	22.10	---	---	---	9.21	12.89	---
MW-7	6/12/2019	22.10	---	---	---	10.59	11.51	---
MW-7	12/4/2019	22.10	---	---	---	9.20	12.90	
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-8	12/17/2018	21.54	---	---	---	8.21	13.33	---
MW-8	3/11/2019	21.54	---	---	---	8.54	13.00	---
MW-8	6/12/2019	21.54	---	---	---	10.35	11.19	---
MW-8	12/4/2019	21.54	---	---	---	8.71	12.83	
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	---
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-9	12/17/2018	20.82	---	---	---	6.01	14.81	---
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	---

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-10	6/27/2018	21.12	---	---	---	10.56	10.56	---
MW-10	8/28/2018	21.12	---	---	---	11.00	10.12	---
MW-10	12/17/2018	21.12	---	---	---	8.16	12.96	---
MW-10	3/14/2019	21.12	---	---	---	8.79	12.33	---
MW-10	6/12/2019	21.12	---	---	---	10.00	11.12	---
MW-10	9/23/2019	21.12	---	---	---	9.07	12.05	---
MW-10	12/4/2019	21.12	---	---	---	9.02	12.10	
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-11	3/14/2019	16.80	---	---	---	4.48	12.32	---
MW-11	6/12/2019	16.80	---	---	---	5.65	11.15	---
MW-11	9/23/2019	16.80	---	---	---	4.76	12.04	---
MW-11	12/4/2019	16.80	---	---	---	4.80	12.00	
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-12	3/14/2019	19.59	---	---	---	6.73	12.86	---
MW-12	6/12/2019	19.59	---	---	---	8.07	11.52	---
MW-12	9/23/2019	19.59	---	---	---	7.38	12.21	---
MW-12	12/4/2019	19.59	---	---	---	7.21	12.38	
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	---
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-13	12/17/2018	21.24	---	---	---	5.50	15.74	---
MW-13	3/14/2019	21.24	---	---	---	5.25	15.99	---
MW-13	6/12/2019	21.24	---	---	---	9.25	11.99	---
MW-13	9/23/2019	21.24	---	---	---	8.69	12.55	---
MW-13	12/4/2019	21.24	---	---	---	7.90	13.34	
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	---

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-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-14	12/17/2018	21.54	---	---	---	8.19	13.35	---
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-15	12/17/2018	20.52	---	---	---	7.09	13.43	---
MW-15	3/14/2019	20.52	---	---	---	6.65	13.87	---
MW-15	6/12/2019	20.52	---	---	---	8.51	12.01	---
MW-15	9/23/2019	20.52	---	---	---	8.03	12.49	---
MW-15	12/4/2019	20.52	---	---	---	7.95	12.57	
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-16	12/17/2018	21.24	---	---	---	6.75	14.49	---
MW-16	3/14/2019	21.24	---	---	---	7.27	13.97	---
MW-16	6/12/2019	21.24	---	---	---	8.87	12.37	---
MW-16	9/23/2019	21.24	---	---	---	8.15	13.09	---
MW-16	12/4/2019	21.24	---	---	---	7.59	13.65	
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	---
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	---
MW-17	9/23/2019	13.34	---	---	---	1.55	11.79	---

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
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-3	9/23/2019	21.75	---	---	---	7.60	14.15	---
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			
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	---

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-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	---
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	---
EX-1	12/17/2018	21.54	7.38	14.16	1.94	9.32	13.77	---
EX-1	3/11/2019	21.54	7.38	14.16	1.89	9.27	13.78	---
EX-1	6/12/2019	21.54	7.05	14.49	2.21	9.26	14.05	---
EX-1	9/23/2019	21.54	8.30	13.24	0.95	9.25	13.05	---
EX-1	12/4/2019	21.54	7.80	13.74	1.31	9.11	13.48	
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	---

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*
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-1	12/17/2018	21.47	7.66	13.81	1.98	9.64	13.41	---
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	---
P-2	12/17/2018	21.60	8.35	13.25	1.01	9.36	13.05	---

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

Appendices

Appendix A
O&M Laboratory Analytical Reports

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

October 15, 2018

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

RE: Project: 70496
Pace Project No.: 10450816

Dear Christina McClelland:
Enclosed are the analytical results for sample(s) received by the laboratory on October 09, 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

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 70496
Pace Project No.: 10450816

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 Certifcation #: 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

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 70496
Pace Project No.: 10450816

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10450816001	**A-100818-JRL-INF**	Air	10/08/18 13:05	10/09/18 10:30
10450816002	**A-100818-JRL-EFF**	Air	10/08/18 13:00	10/09/18 10:30

Pace Analytical Services, LLC
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Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: 70496
Pace Project No.: 10450816

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10450816001	**A-100818-JRL-INF**	TO-15	MJL	6	PASI-M
10450816002	**A-100818-JRL-EFF**	TO-15	AFV	6	PASI-M

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10450816

Sample: A-100818-JRL-INF **Lab ID: 10450816001** Collected: 10/08/18 13:05 Received: 10/09/18 10:30 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Benzene	**10100**	ppbv	461	4608		10/13/18 20:44	71-43-2	A4
Ethylbenzene	**2510**	ppbv	922	4608		10/13/18 20:44	100-41-4	
THC as Gas	**371000**	ppbv	110000	4608		10/13/18 20:44		N2
Toluene	**13000**	ppbv	922	4608		10/13/18 20:44	108-88-3	
m&p-Xylene	**14000**	ppbv	1840	4608		10/13/18 20:44	179601-23-1	
o-Xylene	**4960**	ppbv	922	4608		10/13/18 20:44	95-47-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10450816

Sample: A-100818-JRL-EFF **Lab ID: 10450816002** Collected: 10/08/18 13:00 Received: 10/09/18 10:30 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Benzene	**11.8**	ppbv	0.25	2.46		10/12/18 02:51	71-43-2	A4
Ethylbenzene	**8.2**	ppbv	0.49	2.46		10/12/18 02:51	100-41-4	
THC as Gas	**1310**	ppbv	58.8	2.46		10/12/18 02:51		A4,N2
Toluene	**22.4**	ppbv	0.49	2.46		10/12/18 02:51	108-88-3	
m&p-Xylene	**47.5**	ppbv	0.98	2.46		10/12/18 02:51	179601-23-1	
o-Xylene	**18.3**	ppbv	0.49	2.46		10/12/18 02:51	95-47-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 70496
Pace Project No.: 10450816

QC Batch: 568684 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR
Associated Lab Samples: 10450816002

METHOD BLANK: 3085903 Matrix: Air
Associated Lab Samples: 10450816002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ppbv	ND	0.050	10/11/18 14:02	
Ethylbenzene	ppbv	ND	0.10	10/11/18 14:02	
m&p-Xylene	ppbv	ND	0.20	10/11/18 14:02	
o-Xylene	ppbv	ND	0.10	10/11/18 14:02	
THC as Gas	ppbv	ND	12.0	10/11/18 14:02	N2
Toluene	ppbv	ND	0.10	10/11/18 14:02	

LABORATORY CONTROL SAMPLE: 3085904

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ppbv	10.6	9.6	91	70-134	
Ethylbenzene	ppbv	10.3	9.4	91	70-133	
m&p-Xylene	ppbv	10.4	9.6	92	70-133	
o-Xylene	ppbv	10	9.1	91	70-132	
THC as Gas	ppbv	944	1140	121	59-150	N2
Toluene	ppbv	10.3	9.4	91	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

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 70496
Pace Project No.: 10450816

QC Batch: 568955 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR
Associated Lab Samples: 10450816001

METHOD BLANK: 3087379 Matrix: Air
Associated Lab Samples: 10450816001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ppbv	ND	0.10	10/13/18 10:10	
Ethylbenzene	ppbv	ND	0.20	10/13/18 10:10	
m&p-Xylene	ppbv	ND	0.40	10/13/18 10:10	
o-Xylene	ppbv	ND	0.20	10/13/18 10:10	
THC as Gas	ppbv	ND	23.9	10/13/18 10:10	N2
Toluene	ppbv	ND	0.20	10/13/18 10:10	

LABORATORY CONTROL SAMPLE: 3087380

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ppbv	10	10.6	106	70-134	
Ethylbenzene	ppbv	10	10.5	105	70-133	
m&p-Xylene	ppbv	20	20.9	105	70-133	
o-Xylene	ppbv	10	10.4	104	70-132	
THC as Gas	ppbv	1120	1310	117	59-150	N2
Toluene	ppbv	10	10.6	106	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
Pace Project No.: 10450816

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: 10450816001

[1]	Sample was collected in a sampling bag. Sampling bags are not certified for volatile organic compound concentrations prior to sample collection.

Sample: 10450816002

[1]	Sample was collected in a sampling bag. Sampling bags are not certified for volatile organic compound concentrations prior to sample collection.

ANALYTE QUALIFIERS

A4	Sample was transferred from a sampling bag into a Summa Canister within 48 hours of collection.
N2	The lab does not hold NELAC/TNI accreditation for this parameter.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 70496
Pace Project No.: 10450816

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10450816001	**A-100818-JRL-INF**	TO-15	568955		
10450816002	**A-100818-JRL-EFF**	TO-15	568684		

WO# : 10450816

10450816

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Requ

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fie

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	GHD Services, Inc.	Report To:	Jeff Gaarder	Attention:	Jeff Gaarder
Address:	20818 44th Avenue West, Suite 190 Lynnwood, WA 98036	Copy To:	Christina McClelland	Company Name:	GHD Services, Inc.
				Address:	2055 Niagara Falls Boulevard Suite #3, Niagara Falls, New York, 14304
Email To:	jeff.gaarder@ghd.com, christina.mcclelland@ghd.com	Purchase Order No.		Pace Quote Reference:	
		Client Project ID:	70496	Pace Project Manager:	Jennifer Gross
Phone:	(425)563-6502 Fax:	Container Order Number:		Pace Profile #:	
Requested Due Date/TAT:	Standard				

Regulatory Agency

State / Location

Requested Analysis Filtered (Y/N)

SAMPLE ID

One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	NWTPH-Gx (TPHg)	BTEX (TO-15)	Residual Chlorine (Y/N)	
1	A- 100818 - JGL -INF	OT	G	10/8/18	1305				1	X									X	X		001
2	A- 100818 - JML -EFF	OT	G	10/8/18	1320				1	X									X	X		002
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	GHD	10/8/18	1330		10-9-18	1030	-	N	Y	Y

GW MONTHLY

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	JOE LEWANDOWSKI		
SIGNATURE of SAMPLER:		DATE Signed:	10-08-18

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Pace Analytical	Document Name: Air Sample Condition Upon Receipt	Document Revised: 02May2018 Page 1 of 1
	Document No.: F-MN-A-106-rev.15	Issuing Authority: Pace Minnesota Quality Office

Air Sample Condition Upon Receipt

Client Name: GHD

Project #: WO#: 10450816

PM: JMG Due Date: 10/16/18

CLIENT: GHD_COP

Courier: ☑ Fed Ex ☐ UPS ☐ Speedee ☐ Client ☐ Commercial ☐ Pace ☐ Other:

Tracking Number: 4486 7788 9146

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:** 10-9-18 AA

Type of ice Received ☐ Blue ☑ Wet ☐ None

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

Samples Received: 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

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

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Jenni Gross **Date:** 10/09/18

Note: Whenever there is a discrepancy affecting oliance 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)

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

October 22, 2018

Jeff Gaarder
GHD
20818 44th Ave West
Suite 190
Lynnwood, WA 98036

RE: Project: 70496
Pace Project No.: 10450927

Dear Jeff Gaarder:
Enclosed are the analytical results for sample(s) received by the laboratory on October 09, 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: Christina McClelland, GHD Services, Inc.
Accounts Payable, GHD_Conoco Phillips

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 70496
Pace Project No.: 10450927

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 Certifcation #: 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

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SAMPLE SUMMARY

Project: 70496
Pace Project No.: 10450927

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10450927001	**GW-100818-JRL-INF 1**	Water	10/08/18 12:15	10/09/18 10:30
10450927002	**GW-100818-JRL-INF 2**	Water	10/08/18 12:00	10/09/18 10:30
10450927003	**GW-100818-JRL-MID 1**	Water	10/08/18 11:45	10/09/18 10:30
10450927004	**GW-100818-JRL-MID 2**	Water	10/08/18 11:30	10/09/18 10:30
10450927005	**GW-100818-JRL-Total EFF**	Water	10/08/18 10:30	10/09/18 10:30
10450927006	**GW-100818-JRL-Total EFF 1**	Water	10/08/18 10:30	10/09/18 10:30
10450927007	**GW-100818-JRL-Total EFF 2**	Water	10/08/18 10:45	10/09/18 10:30
10450927008	**GW-100818-JRL-Total EFF 3**	Water	10/08/18 11:00	10/09/18 10:30
10450927009	**GW-100818-JRL-Total EFF 4**	Water	10/08/18 11:15	10/09/18 10:30
10450927010	**GW-100818-JRL-Total EFF 1-4**	Water	10/08/18 11:15	10/09/18 10:30
10450927011	**GW-100818-JRL-Total EFF 5**	Water	10/08/18 10:30	10/09/18 10:30
10450927012	**GW-100818-JRL-Total EFF 6**	Water	10/08/18 10:45	10/09/18 10:30
10450927013	**GW-100818-JRL-Total EFF 7**	Water	10/08/18 11:00	10/09/18 10:30
10450927014	**GW-100818-JRL-Total EFF 5-7**	Water	10/08/18 11:00	10/09/18 10:30
10450927015	**Trip Blank**	Water	10/08/18 00:00	10/09/18 10:30

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SAMPLE ANALYTE COUNT

Project: 70496
Pace Project No.: 10450927

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10450927001	**GW-100818-JRL-INF 1**	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	GD1	7	PASI-M
10450927002	**GW-100818-JRL-INF 2**	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	MJD	7	PASI-M
10450927003	**GW-100818-JRL-MID 1**	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	MJD	7	PASI-M
10450927004	**GW-100818-JRL-MID 2**	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	MJD	7	PASI-M
10450927005	**GW-100818-JRL-Total EFF**	NWTPH-Dx	EC2	4	PASI-M
10450927010	**GW-100818-JRL-Total EFF 1-4**	NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	MJD	7	PASI-M
10450927014	**GW-100818-JRL-Total EFF 5-7**	EPA 1664A OG	AR3	1	PASI-M
10450927015	**Trip Blank**	NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	MJD	7	PASI-M

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ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10450927

Sample: GW-100818-JRL-INF 1 **Lab ID: 10450927001** Collected: 10/08/18 12:15 Received: 10/09/18 10:30 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	**0.88**	mg/L	0.39	1	10/16/18 15:47	10/19/18 14:22	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.39	1	10/16/18 15:47	10/19/18 14:22	64742-65-0	
Surrogates								
o-Terphenyl (S)	82	%.	50-150	1	10/16/18 15:47	10/19/18 14:22	84-15-1	
n-Triacontane (S)	84	%.	50-150	1	10/16/18 15:47	10/19/18 14:22	638-68-6	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx							
TPH as Gas	**12700**	ug/L	1000	10		10/16/18 17:41		G+,G-
Surrogates								
a,a,a-Trifluorotoluene (S)	107	%.	50-150	10		10/16/18 17:41	98-08-8	
8260B MSV UST	Analytical Method: EPA 8260B							
Benzene	**1540**	ug/L	10.0	10		10/19/18 14:59	71-43-2	
Ethylbenzene	**65.2**	ug/L	10.0	10		10/19/18 14:59	100-41-4	
Toluene	**820**	ug/L	10.0	10		10/19/18 14:59	108-88-3	
Xylene (Total)	**1940**	ug/L	30.0	10		10/19/18 14:59	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	95	%.	75-125	10		10/19/18 14:59	17060-07-0	
Toluene-d8 (S)	103	%.	75-125	10		10/19/18 14:59	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	75-125	10		10/19/18 14:59	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10450927

Sample: GW-100818-JRL-INF 2 **Lab ID: 10450927002** Collected: 10/08/18 12:00 Received: 10/09/18 10:30 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	**0.49**	mg/L	0.39	1	10/16/18 15:47	10/19/18 14:45	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.39	1	10/16/18 15:47	10/19/18 14:45	64742-65-0	
Surrogates								
o-Terphenyl (S)	64	%.	50-150	1	10/16/18 15:47	10/19/18 14:45	84-15-1	
n-Triacontane (S)	67	%.	50-150	1	10/16/18 15:47	10/19/18 14:45	638-68-6	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx							
TPH as Gas	**298**	ug/L	100	1		10/16/18 13:58		G+,G-
Surrogates								
a,a,a-Trifluorotoluene (S)	91	%.	50-150	1		10/16/18 13:58	98-08-8	
8260B MSV UST	Analytical Method: EPA 8260B							
Benzene	**8.1**	ug/L	1.0	1		10/13/18 17:41	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/13/18 17:41	100-41-4	
Toluene	**2.2**	ug/L	1.0	1		10/13/18 17:41	108-88-3	
Xylene (Total)	**33.2**	ug/L	3.0	1		10/13/18 17:41	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%.	75-125	1		10/13/18 17:41	17060-07-0	
Toluene-d8 (S)	99	%.	75-125	1		10/13/18 17:41	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	75-125	1		10/13/18 17:41	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10450927

Sample: GW-100818-JRL-MID 1 **Lab ID: 10450927003** Collected: 10/08/18 11:45 Received: 10/09/18 10:30 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	10/16/18 15:47	10/19/18 14:56	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.39	1	10/16/18 15:47	10/19/18 14:56	64742-65-0	
Surrogates								
o-Terphenyl (S)	67	%.	50-150	1	10/16/18 15:47	10/19/18 14:56	84-15-1	
n-Triacontane (S)	72	%.	50-150	1	10/16/18 15:47	10/19/18 14:56	638-68-6	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx							
TPH as Gas	ND	ug/L	100	1		10/16/18 14:32		G+,G-
Surrogates								
a,a,a-Trifluorotoluene (S)	97	%.	50-150	1		10/16/18 14:32	98-08-8	
8260B MSV UST	Analytical Method: EPA 8260B							
Benzene	**11.1**	ug/L	1.0	1		10/13/18 16:50	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/13/18 16:50	100-41-4	
Toluene	**1.2**	ug/L	1.0	1		10/13/18 16:50	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		10/13/18 16:50	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	96	%.	75-125	1		10/13/18 16:50	17060-07-0	
Toluene-d8 (S)	98	%.	75-125	1		10/13/18 16:50	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	75-125	1		10/13/18 16:50	460-00-4	

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10450927

Sample: GW-100818-JRL-MID 2 **Lab ID: 10450927004** Collected: 10/08/18 11:30 Received: 10/09/18 10:30 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	0.37	1	10/16/18 15:47	10/19/18 15:07	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.37	1	10/16/18 15:47	10/19/18 15:07	64742-65-0	
Surrogates								
o-Terphenyl (S)	78	%.	50-150	1	10/16/18 15:47	10/19/18 15:07	84-15-1	
n-Triacontane (S)	85	%.	50-150	1	10/16/18 15:47	10/19/18 15:07	638-68-6	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx							
TPH as Gas	ND	ug/L	100	1		10/16/18 15:41		G-
Surrogates								
a,a,a-Trifluorotoluene (S)	97	%.	50-150	1		10/16/18 15:41	98-08-8	
8260B MSV UST	Analytical Method: EPA 8260B							
Benzene	**1.2**	ug/L	1.0	1		10/13/18 13:26	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/13/18 13:26	100-41-4	
Toluene	ND	ug/L	1.0	1		10/13/18 13:26	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		10/13/18 13:26	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	96	%.	75-125	1		10/13/18 13:26	17060-07-0	
Toluene-d8 (S)	98	%.	75-125	1		10/13/18 13:26	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	75-125	1		10/13/18 13:26	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10450927

Sample: GW-100818-JRL-Total EFF **Lab ID: 10450927005** Collected: 10/08/18 10:30 Received: 10/09/18 10:30 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	10/16/18 15:47	10/19/18 15:19	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.39	1	10/16/18 15:47	10/19/18 15:19	64742-65-0	
Surrogates								
o-Terphenyl (S)	61	%.	50-150	1	10/16/18 15:47	10/19/18 15:19	84-15-1	
n-Triacontane (S)	66	%.	50-150	1	10/16/18 15:47	10/19/18 15:19	638-68-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10450927

Sample: GW-100818-JRL-Total EFF 1-4 **Lab ID: 10450927010** Collected: 10/08/18 11:15 Received: 10/09/18 10:30 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		10/16/18 15:58		
Surrogates								
a,a,a-Trifluorotoluene (S)	94	%.	50-150	1		10/16/18 15:58	98-08-8	
8260B MSV UST	Analytical Method: EPA 8260B							
Benzene	ND	ug/L	1.0	1		10/13/18 17:07	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/13/18 17:07	100-41-4	
Toluene	ND	ug/L	1.0	1		10/13/18 17:07	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		10/13/18 17:07	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	95	%.	75-125	1		10/13/18 17:07	17060-07-0	
Toluene-d8 (S)	98	%.	75-125	1		10/13/18 17:07	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	75-125	1		10/13/18 17:07	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10450927

Sample: GW-100818-JRL-Total EFF 5-7 **Lab ID: 10450927014** Collected: 10/08/18 11:00 Received: 10/09/18 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664A HEM, Oil and Grease	Analytical Method: EPA 1664A OG							
Oil and Grease	ND	mg/L	6.6	1		10/19/18 10:47		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10450927

Sample: Trip Blank **Lab ID: 10450927015** Collected: 10/08/18 00:00 Received: 10/09/18 10:30 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		10/16/18 16:50		HS
Surrogates								
a,a,a-Trifluorotoluene (S)	96	%.	50-150	1		10/16/18 16:50	98-08-8	
8260B MSV UST	Analytical Method: EPA 8260B							
Benzene	ND	ug/L	1.0	1		10/13/18 13:09	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/13/18 13:09	100-41-4	
Toluene	ND	ug/L	1.0	1		10/13/18 13:09	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		10/13/18 13:09	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	108	%.	75-125	1		10/13/18 13:09	17060-07-0	
Toluene-d8 (S)	101	%.	75-125	1		10/13/18 13:09	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	75-125	1		10/13/18 13:09	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 70496
Pace Project No.: 10450927

QC Batch: 569427 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Water
Associated Lab Samples: 10450927001, 10450927002, 10450927003, 10450927004, 10450927010, 10450927015

METHOD BLANK: 3089896 Matrix: Water
Associated Lab Samples: 10450927001, 10450927002, 10450927003, 10450927004, 10450927010, 10450927015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	10/16/18 13:41	
a,a,a-Trifluorotoluene (S)	%.	98	50-150	10/16/18 13:41	

LABORATORY CONTROL SAMPLE & LCSD: 3089897 3089898

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	1160	1110	116	111	41-137	4	20	
a,a,a-Trifluorotoluene (S)	%.				121	108	50-150			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3090111 3090112

Parameter	Units	10450927003 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	1050	1170	99	112	30-145	12	30	
a,a,a-Trifluorotoluene (S)	%.						108	111	50-150			

SAMPLE DUPLICATE: 3090110

Parameter	Units	10450927002 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	298	334	11	30	G+,G-
a,a,a-Trifluorotoluene (S)	%.	91	94	3		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70496
Pace Project No.: 10450927

QC Batch: 569014 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV UST-WATER
Associated Lab Samples: 10450927002, 10450927003, 10450927004, 10450927010, 10450927015

METHOD BLANK: 3088026 Matrix: Water
Associated Lab Samples: 10450927002, 10450927003, 10450927004, 10450927010, 10450927015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	10/13/18 12:35	
Ethylbenzene	ug/L	ND	1.0	10/13/18 12:35	
Toluene	ug/L	ND	1.0	10/13/18 12:35	
Xylene (Total)	ug/L	ND	3.0	10/13/18 12:35	
1,2-Dichloroethane-d4 (S)	%.	96	75-125	10/13/18 12:35	
4-Bromofluorobenzene (S)	%.	99	75-125	10/13/18 12:35	
Toluene-d8 (S)	%.	99	75-125	10/13/18 12:35	

LABORATORY CONTROL SAMPLE: 3088027

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	21.3	106	75-126	
Ethylbenzene	ug/L	20	19.7	98	75-125	
Toluene	ug/L	20	19.9	99	74-125	
Xylene (Total)	ug/L	60	60.4	101	75-125	
1,2-Dichloroethane-d4 (S)	%.			96	75-125	
4-Bromofluorobenzene (S)	%.			96	75-125	
Toluene-d8 (S)	%.			99	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3088028 3088029

Parameter	Units	10450927004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	1.2	20	20	25.4	22.3	121	105	62-140	13	30	
Ethylbenzene	ug/L	ND	20	20	21.0	17.6	105	88	75-131	18	30	
Toluene	ug/L	ND	20	20	21.8	18.4	109	92	68-132	17	30	
Xylene (Total)	ug/L	ND	60	60	64.0	54.3	107	91	69-135	16	30	
1,2-Dichloroethane-d4 (S)	%.						93	95	75-125			
4-Bromofluorobenzene (S)	%.						98	98	75-125			
Toluene-d8 (S)	%.						98	99	75-125			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(612)607-1700

QUALITY CONTROL DATA

Project: 70496
Pace Project No.: 10450927

QC Batch: 570370 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV UST-WATER
Associated Lab Samples: 10450927001

METHOD BLANK: 3094889 Matrix: Water
Associated Lab Samples: 10450927001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	10/19/18 11:18	
Ethylbenzene	ug/L	ND	1.0	10/19/18 11:18	
Toluene	ug/L	ND	1.0	10/19/18 11:18	
Xylene (Total)	ug/L	ND	3.0	10/19/18 11:18	
1,2-Dichloroethane-d4 (S)	%.	96	75-125	10/19/18 11:18	
4-Bromofluorobenzene (S)	%.	101	75-125	10/19/18 11:18	
Toluene-d8 (S)	%.	104	75-125	10/19/18 11:18	

LABORATORY CONTROL SAMPLE: 3094890

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	17.9	89	75-126	
Ethylbenzene	ug/L	20	18.8	94	75-125	
Toluene	ug/L	20	19.7	98	74-125	
Xylene (Total)	ug/L	60	60.6	101	75-125	
1,2-Dichloroethane-d4 (S)	%.			94	75-125	
4-Bromofluorobenzene (S)	%.			97	75-125	
Toluene-d8 (S)	%.			102	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3094919 3094920

Parameter	Units	10451613013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	5.5	20	20	22.5	24.2	85	94	62-140	7	30	
Ethylbenzene	ug/L	3.4	20	20	21.9	23.6	93	101	75-131	7	30	
Toluene	ug/L	ND	20	20	19.1	20.4	95	101	68-132	6	30	
Xylene (Total)	ug/L	3.1	60	60	61.4	64.6	97	103	69-135	5	30	
1,2-Dichloroethane-d4 (S)	%.						94	93	75-125			
4-Bromofluorobenzene (S)	%.						97	100	75-125			
Toluene-d8 (S)	%.						102	101	75-125			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
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(612)607-1700

QUALITY CONTROL DATA

Project: 70496
Pace Project No.: 10450927

QC Batch: 569494 Analysis Method: NWTPH-Dx
QC Batch Method: EPA Mod. 3510C Analysis Description: NWTPH-Dx GCS LV SG
Associated Lab Samples: 10450927001, 10450927002, 10450927003, 10450927004, 10450927005

METHOD BLANK: 3090230 Matrix: Water
Associated Lab Samples: 10450927001, 10450927002, 10450927003, 10450927004, 10450927005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Fuel Range SG	mg/L	ND	0.40	10/19/18 13:47	
Motor Oil Range SG	mg/L	ND	0.40	10/19/18 13:47	
n-Triacontane (S)	%.	82	50-150	10/19/18 13:47	
o-Terphenyl (S)	%.	81	50-150	10/19/18 13:47	

LABORATORY CONTROL SAMPLE & LCSD: 3090231 3090232

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Fuel Range SG	mg/L	2	1.5	1.5	73	74	50-150	1	20	
Motor Oil Range SG	mg/L	2	1.6	1.6	79	79	50-150	0	20	
n-Triacontane (S)	%.				83	86	50-150			
o-Terphenyl (S)	%.				74	76	50-150			

SAMPLE DUPLICATE: 3090674

Parameter	Units	10450927001 Result	Dup Result	RPD	Max RPD	Qualifiers
Diesel Fuel Range SG	mg/L	0.88	0.90	3	30	
Motor Oil Range SG	mg/L	ND	ND		30	
n-Triacontane (S)	%.	84	82	5		
o-Terphenyl (S)	%.	82	79	6		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70496
Pace Project No.: 10450927

QC Batch: 570368 Analysis Method: EPA 1664A OG
QC Batch Method: EPA 1664A OG Analysis Description: 1664A HEM, Oil and Grease
Associated Lab Samples: 10450927014

METHOD BLANK: 3094877 Matrix: Water
Associated Lab Samples: 10450927014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	10/19/18 10:47	

LABORATORY CONTROL SAMPLE: 3094878

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	39.6	99	78-114	

MATRIX SPIKE SAMPLE: 3094879

Parameter	Units	10451738001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	40.4	37.2	88	78-114	

SAMPLE DUPLICATE: 3094880

Parameter	Units	10451865001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	ND	ND		18	

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REPORT OF LABORATORY ANALYSIS

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(612)607-1700

QUALIFIERS

Project: 70496
Pace Project No.: 10450927

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: 570368

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

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(612)607-1700

METHOD CROSS REFERENCE TABLE

Project: 70496
Pace Project No.: 10450927

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 70496
Pace Project No.: 10450927

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10450927001	**GW-100818-JRL-INF 1**	EPA Mod. 3510C	569494	NWTPH-Dx	570474
10450927002	**GW-100818-JRL-INF 2**	EPA Mod. 3510C	569494	NWTPH-Dx	570474
10450927003	**GW-100818-JRL-MID 1**	EPA Mod. 3510C	569494	NWTPH-Dx	570474
10450927004	**GW-100818-JRL-MID 2**	EPA Mod. 3510C	569494	NWTPH-Dx	570474
10450927005	**GW-100818-JRL-Total EFF**	EPA Mod. 3510C	569494	NWTPH-Dx	570474
10450927001	**GW-100818-JRL-INF 1**	NWTPH-Gx	569427		
10450927002	**GW-100818-JRL-INF 2**	NWTPH-Gx	569427		
10450927003	**GW-100818-JRL-MID 1**	NWTPH-Gx	569427		
10450927004	**GW-100818-JRL-MID 2**	NWTPH-Gx	569427		
10450927010	**GW-100818-JRL-Total EFF 1-4**	NWTPH-Gx	569427		
10450927015	**Trip Blank**	NWTPH-Gx	569427		
10450927001	**GW-100818-JRL-INF 1**	EPA 8260B	570370		
10450927002	**GW-100818-JRL-INF 2**	EPA 8260B	569014		
10450927003	**GW-100818-JRL-MID 1**	EPA 8260B	569014		
10450927004	**GW-100818-JRL-MID 2**	EPA 8260B	569014		
10450927010	**GW-100818-JRL-Total EFF 1-4**	EPA 8260B	569014		
10450927015	**Trip Blank**	EPA 8260B	569014		
10450927014	**GW-100818-JRL-Total EFF 5-7**	EPA 1664A OG	570368		

WO# : 10450927

10450927

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	GHD Services, Inc.	Report To:	Jeff Gaarder	Attention:	Jeff Gaarder
Address:	20818 44th Avenue West, Suite 190 Lynnwood, WA 98036	Copy To:	Christina McClelland	Company Name:	GHD Services, Inc.
				Address:	2055 Niagara Falls Boulevard Suite #3, Niagara Falls, New York, 14304
Email To:	jeff.gaarder@ghd.com, christina.mcclelland@ghd.com	Purchase Order No.		Pace Quote Reference:	
		Client Project ID:	70496	Pace Project Manager:	Jennifer Gross
Phone:	(425)563-6502 Fax	Container Order Number:		Pace Profile #:	
Requested Due Date/TAT:	Standard				

Regulatory Agency

State / Location

Requested Analysis Filtered (Y/N)

ITEM#	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	TPHd (NWTPH-Dx)	TPHg (NWTPH-Gx)	BTEX (EPA 8260)	FOG 1664	Residual Chlorine (Y/N)	
1	GW- 100818 - JRL-INF 1	WT	G	10/8/18	1215								X						X	X	X			001
	GW- 100818 - JRL-INF 2	WT	G		1200								X						X	X	X			002
2	GW- 100818 - JRL-MID 1	WT	G		1145								X						X	X	X			003
3	GW- 100818 - JRL-MID 2	WT	G		1130								X						X	X	X			004
4	GW- 100818 - JRL-Total EFF	WT	G		1030								X						X					005
5	GW- 100818 - JRL-Total EFF 1	WT	G		1030								X							X	X			006
6	GW- 100818 - JRL-Total EFF 2	WT	G		1045								X							X	X			007
7	GW- 100818 - JRL-Total EFF 3	WT	G		1100								X							X	X			008
8	GW- 100818 - JRL-Total EFF 4	WT	G		1115								X							X	X			009
9	GW- 100818 - JRL-Total EFF 5	WT	G		1030								X									X		011
10	GW- 100818 - JRL-Total EFF 6	WT	G		1045								X									X		012
11	GW- 100818 - JRL-Total EFF 7	WT	G		1100								X									X		013

Composite EFF 1, 2, 3, 4 at lab 010

Composite EFF 5, 6, 7 at lab 014

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Trip Blanks JJ 10/9/18 Qty 6 015	GHD	10/8/18	1330	Jennifer Johnson Pace	10/9/18	10:30	3.2	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JOE LEWANDOWSKI

SIGNATURE of SAMPLER: DATE Signed: 10-08-18

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

GW MONTHLY

Pace Analytical	Document Name: Sample Condition Upon Receipt Form	Document Revised: 02May2018 Page 1 of 2
	Document No.: F-MN-L-213-rev.23	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: GHD Services

Project #: **WO#: 10450927**

PM: JMG **Due Date: 10/16/18**

CLIENT: GHD_COP

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ SpeeDee ☐ Other:

Tracking Number: 4486 7788 9146

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): 3.0 **Cooler Temp Corrected (°C):** 3.2 **Biological Tissue Frozen?** ☐ Yes ☐ No ☒ N/A

Temp should be above freezing to 6°C **Correction Factor:** +0.2 **Date and Initials of Person Examining Contents:** JJ 10/9/18

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?	☒ Yes ☐ No	1.
Chain of Custody Filled Out?	☒ Yes ☐ No	2.
Chain of Custody Relinquished?	☒ Yes ☐ No	3.
Sampler Name and/or Signature on COC?	☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes ☐ No	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes ☒ No	6.
Rush Turn Around Time Requested?	☐ Yes ☒ No	7.
Sufficient Volume?	☒ Yes ☐ No	8.
Correct Containers Used? -Pace Containers Used?	☒ Yes ☐ No ☒ Yes ☐ No	9.
Containers Intact?	☒ Yes ☐ No	10.
Filtered Volume Received for Dissolved Tests?	☐ Yes ☐ No ☒ N/A	11. Note if sediment is visible in the dissolved container
Is sufficient information available to reconcile the samples to the COC? Matrix: WT	☒ Yes ☐ No	12.
All containers needing acid/base preservation have been checked?	☐ Yes ☐ No ☒ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH Positive for Res. Chlorine? Y N Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	☐ Yes ☐ No ☒ N/A ☒ Yes ☐ No ☐ N/A	Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☒ Yes ☐ No ☐ N/A	14. see exception sheet
Trip Blank Present?	☒ Yes ☐ No ☐ N/A	15.
Trip Blank Custody Seals Present? Pace Trip Blank Lot # (if purchased): 178676	☒ Yes ☐ No ☐ N/A	

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

Person Contacted: Christina, Jeff and Jeff Date/Time: 10/09/18

Comments/Resolution: Notified client analyzing by Dx w/ silica gel per historical data.

Project Manager Review: Jenni Gross **Date:** 10/09/18

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

Taken by CV

Pace Analytical	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-100818-JRL-INF1	0	1	5	6
GW-100818-JRL-INF2	0	4	2	6
GW-100818-JRL-MID1	0	1	5	6
GW-100818-JRL-MID2	0	1	5	6
GW-100818-JRL-Total EFF2	0	1	1	2
Trip Blank	1	5	0	6

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

November 16, 2018

Jeff Gaarder
GHD
20818 44th Ave West
Suite 190
Lynnwood, WA 98036

RE: Project: 70496
Pace Project No.: 10454996

Dear Jeff Gaarder:
Enclosed are the analytical results for sample(s) received by the laboratory on November 09, 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,

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

Enclosures

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

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 70496
Pace Project No.: 10454996

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 Certifcation #: 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

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1700 Elm Street - Suite 200
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SAMPLE SUMMARY

Project: 70496
Pace Project No.: 10454996

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10454996001	**A-110818-JRL-INF**	Air	11/08/18 11:05	11/09/18 10:00
10454996002	**A-110818-JRL-INF cert 2893**	Air	11/08/18 11:05	11/09/18 10:00
10454996003	**A-110818-JRL-EFF**	Air	11/08/18 11:00	11/09/18 10:00
10454996004	**A-110818-JRL-EFF cert 2983**	Air	11/08/18 11:00	11/09/18 10:00

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(612)607-1700

SAMPLE ANALYTE COUNT

Project: 70496
Pace Project No.: 10454996

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10454996001	**A-110818-JRL-INF**	TO-15	CH1	6	PASI-M
10454996002	**A-110818-JRL-INF cert 2893**	TO-15	MG2	5	PASI-M
10454996003	**A-110818-JRL-EFF**	TO-15	CH1	6	PASI-M
10454996004	**A-110818-JRL-EFF cert 2983**	TO-15	MG2	5	PASI-M

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Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10454996

Sample: A-110818-JRL-INF **Lab ID: 10454996001** Collected: 11/08/18 11:05 Received: 11/09/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Benzene	**4720**	ppbv	26.1	261		11/14/18 23:15	71-43-2	
Ethylbenzene	**823**	ppbv	52.2	261		11/14/18 23:15	100-41-4	
THC as Gas	**70300**	ppbv	6240	261		11/14/18 23:15		N2
Toluene	**3290**	ppbv	52.2	261		11/14/18 23:15	108-88-3	
m&p-Xylene	**5820**	ppbv	104	261		11/14/18 23:15	179601-23-1	
o-Xylene	**1970**	ppbv	52.2	261		11/14/18 23:15	95-47-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10454996

Sample: A-110818-JRL-INF cert 2893 **Lab ID: 10454996002** Collected: 11/08/18 11:05 Received: 11/09/18 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	0.65	1		09/22/18 13:07	71-43-2	
Ethylbenzene	ND	ug/m3	0.88	1		09/22/18 13:07	100-41-4	
Toluene	ND	ug/m3	0.77	1		09/22/18 13:07	108-88-3	
m&p-Xylene	ND	ug/m3	1.8	1		09/22/18 13:07	179601-23-1	
o-Xylene	ND	ug/m3	0.88	1		09/22/18 13:07	95-47-6	

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ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10454996

Sample: A-110818-JRL-EFF **Lab ID: 10454996003** Collected: 11/08/18 11:00 Received: 11/09/18 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	0.17	1.71		11/14/18 22:49	71-43-2	
Ethylbenzene	**0.65**	ppbv	0.34	1.71		11/14/18 22:49	100-41-4	
THC as Gas	**321**	ppbv	40.9	1.71		11/14/18 22:49		N2
Toluene	**1.9**	ppbv	0.34	1.71		11/14/18 22:49	108-88-3	
m&p-Xylene	**3.4**	ppbv	0.68	1.71		11/14/18 22:49	179601-23-1	
o-Xylene	**1.4**	ppbv	0.34	1.71		11/14/18 22:49	95-47-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10454996

Sample: A-110818-JRL-EFF cert 2983 **Lab ID: 10454996004** Collected: 11/08/18 11:00 Received: 11/09/18 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		06/10/18 15:24	71-43-2	
Ethylbenzene	ND	ug/m3	0.88	1		06/10/18 15:24	100-41-4	
Toluene	ND	ug/m3	0.77	1		06/10/18 15:24	108-88-3	
m&p-Xylene	ND	ug/m3	1.8	1		06/10/18 15:24	179601-23-1	
o-Xylene	ND	ug/m3	0.88	1		06/10/18 15:24	95-47-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 70496
Pace Project No.: 10454996

QC Batch: 575568 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR
Associated Lab Samples: 10454996001, 10454996003

METHOD BLANK: 3123622 Matrix: Air
Associated Lab Samples: 10454996001, 10454996003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ppbv	ND	0.050	11/14/18 10:50	
Ethylbenzene	ppbv	ND	0.10	11/14/18 10:50	
m&p-Xylene	ppbv	ND	0.20	11/14/18 10:50	
o-Xylene	ppbv	ND	0.10	11/14/18 10:50	
THC as Gas	ppbv	ND	12.0	11/14/18 10:50	N2
Toluene	ppbv	ND	0.10	11/14/18 10:50	

LABORATORY CONTROL SAMPLE: 3123623

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ppbv	10	11.7	117	70-134	
Ethylbenzene	ppbv	10	12.1	121	70-133	
m&p-Xylene	ppbv	20	23.0	115	70-133	
o-Xylene	ppbv	10	11.2	112	70-132	
THC as Gas	ppbv	1120	1060	95	59-150	N2
Toluene	ppbv	10	11.3	113	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

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: 70496
Pace Project No.: 10454996

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.

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 70496
Pace Project No.: 10454996

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10454996001	**A-110818-JRL-INF**	TO-15	575568		
10454996003	**A-110818-JRL-EFF**	TO-15	575568		
10454996002	**A-110818-JRL-INF cert 2893**	TO-15	575241		
10454996004	**A-110818-JRL-EFF cert 2983**	TO-15	575241		

Pace Analytical

WO#: 10454996

10454996

CHAIN-OF-CUSTODY / Analytical

The Chain-of-Custody is a LEGAL DOCUMENT. All re

Page: 1 Of 1

Section A — Required Client Information:

Company: GHD Services, Inc.
Address: 20818 44th Avenue West, Suite 190
Lynnwood, WA 98036
Email To: jeff.gaarder@ghd.com, christina.mcclelland@ghd.com
Phone: (425)563-6502 Fax:
Requested Due Date/TAT: Standard

Section B — Required Project Information:

Report To: Jeff Gaarder
Copy To: Christina McClelland
Purchase Order No.:
Client Project ID: 70496
Container Order Number:

Section C — Invoice Information:

Attention: Jeff Gaarder
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

Requested Analysis Filtered (Y/N)

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM#	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	NWTPH-Gx (TPHg)	BTEX (TO-15)	Residual Chlorine (Y/N)	
1	A- 110818 - JRL -INF	OT	G	11/8/18	1105				1	X									X	X		001, 002
2	A- 110818 - JRL -EFF	OT	G	11/8/18	1100				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			
	GHD	11/8/18	1414		11-9-18	1000	—	N	N	Y
GW MONTHLY										

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: JOE LEWANDOWSKI
SIGNATURE of SAMPLER: DATE Signed: 11-08-18

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Pace Analytical	Document Name: Air Sample Condition Upon Receipt	Document Revised: 11Oct2018 Page 1 of 1
	Document No.: F-MN-A-106-rev.16	Issuing Authority: Pace Minnesota Quality Office

Air Sample Condition Upon Receipt

Client Name: GHD

Project #: WO#: 10454996

PM: JMG Due Date: 11/16/18

CLIENT: GHD_COP

Courier: ☑ Fed Ex ☐ UPS ☐ Speedee ☐ Client ☐ Commercial ☐ Pace ☐ Other:

Tracking Number: 4545 9906 2903

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:** 11-9-18 AA

Type of ice Received ☐ Blue ☐ Wet ☑ None

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

Samples Received: FFFT, Stand alone gauges Pressure Gauge # 10AIR35

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
INF	2893	—	-0.5	-10					
EFF	2983	—	-0.5	-11					

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

Person Contacted: Date/Time:

Comments/Resolution: From WA, per historical.

Project Manager Review: Amanda J Albrecht **Date:** 11/9/18

Note: Whenever there is a discrepancy affecting North Carolina compliance 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)

Pace Analytical Services, Inc.
1700 Elm Street – Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

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

Lab Project Number: 10454996
Project Name: 70496

Lab Sample No: 10454996001 ProjSampleNum: 10454996001 Date Collected: 11/08/18 11:05
Client Sample ID: A-110818-JRL-INF Matrix: Air Date Received: 11/09/18 10:00

Parameters	Report Limit ppbv	Results ppbv	Report Limit ug/m3	Results ug/m3	DF	Analyzed		CAS No.
Air								
TO-15								
Benzene	26.1	4720	84.8	15300	261	11/14/18 23:15	CH1	71-43-2
Ethylbenzene	52.2	823	230	3630	261	11/14/18 23:15	CH1	100-41-4
m&p-Xylene	104	5820	459	25700	261	11/14/18 23:15	CH1	179601-23-1
o-Xylene	52.2	1970	230	8700	261	11/14/18 23:15	CH1	95-47-6
THC as Gas	6240	70300	27100	305000	261	11/14/18 23:15	CH1	
Toluene	52.2	3290	200	12600	261	11/14/18 23:15	CH1	108-88-3

Lab Sample No: 10454996003 ProjSampleNum: 10454996003 Date Collected: 11/08/18 11:00
Client Sample ID: A-110818-JRL-EFF Matrix: Air Date Received: 11/09/18 10:00

Parameters	Report Limit ppbv	Results ppbv	Report Limit ug/m3	Results ug/m3	DF	Analyzed		CAS No.
Air								
TO-15								
Benzene	0.17	3.0	0.55	9.7	1.71	11/14/18 22:49	CH1	71-43-2
Ethylbenzene	0.34	0.65	1.5	2.9	1.71	11/14/18 22:49	CH1	100-41-4
m&p-Xylene	0.68	3.4	3	15	1.71	11/14/18 22:49	CH1	179601-23-1
o-Xylene	0.34	1.4	1.5	6.2	1.71	11/14/18 22:49	CH1	95-47-6
THC as Gas	40.9	321	178	1390	1.71	11/14/18 22:49	CH1	
Toluene	0.34	1.9	1.3	7.3	1.71	11/14/18 22:49	CH1	108-88-3

SUPPLEMENTAL REPORT
Units Conversion Request

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

November 20, 2018

Jeff Gaarder
GHD
20818 44th Ave West
Suite 190
Lynnwood, WA 98036

RE: Project: 70496.17
Pace Project No.: 10455122

Dear Jeff Gaarder:
Enclosed are the analytical results for sample(s) received by the laboratory on November 09, 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: Christina McClelland, GHD Services, Inc.
Accounts Payable, GHD_Conoco Phillips

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 70496.17
Pace Project No.: 10455122

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 Certifcation #: 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

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SAMPLE SUMMARY

Project: 70496.17
Pace Project No.: 10455122

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10455122001	**GW-110818-JRL-INF 1**	Water	11/08/18 10:45	11/09/18 10:00
10455122002	**GW-110818-JRL-INF 2**	Water	11/08/18 10:30	11/09/18 10:00
10455122003	**GW-110818-JRL-MID 1**	Water	11/08/18 10:15	11/09/18 10:00
10455122004	**GW-110818-JRL-MID 2**	Water	11/08/18 10:00	11/09/18 10:00
10455122005	**GW-110818-JRL-Total EFF**	Water	11/08/18 09:00	11/09/18 10:00
10455122006	**GW-110818-JRL-Total EFF 1**	Water	11/08/18 09:00	11/09/18 10:00
10455122007	**GW-110818-JRL-Total EFF 2**	Water	11/08/18 09:15	11/09/18 10:00
10455122008	**GW-110818-JRL-Total EFF 3**	Water	11/08/18 09:30	11/09/18 10:00
10455122009	**GW-110818-JRL-Total EFF 4**	Water	11/08/18 09:45	11/09/18 10:00
10455122010	**GW-110818-JRL-Total EFF 1-4**	Water	11/08/18 09:00	11/09/18 10:00
10455122011	**GW-110818-JRL-Total EFF 5**	Water	11/08/18 09:00	11/09/18 10:00
10455122012	**GW-110818-JRL-Total EFF 6**	Water	11/08/18 09:15	11/09/18 10:00
10455122013	**GW-110818-JRL-Total EFF 7**	Water	11/08/18 09:30	11/09/18 10:00
10455122014	**GW-110818-JRL-Total EFF 5-7**	Water	11/08/18 09:00	11/09/18 10:00
10455122015	**Trip Blank**	Water	11/08/18 00:00	11/09/18 10:00

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SAMPLE ANALYTE COUNT

Project: 70496.17
Pace Project No.: 10455122

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10455122001	**GW-110818-JRL-INF 1**	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	MJD	7	PASI-M
10455122002	**GW-110818-JRL-INF 2**	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AJR	2	PASI-M
		EPA 8260B	MJD	7	PASI-M
10455122003	**GW-110818-JRL-MID 1**	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AJR	2	PASI-M
		EPA 8260B	MJD	7	PASI-M
10455122004	**GW-110818-JRL-MID 2**	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AJR	2	PASI-M
		EPA 8260B	MJD	7	PASI-M
10455122005	**GW-110818-JRL-Total EFF**	NWTPH-Dx	EC2	4	PASI-M
10455122010	**GW-110818-JRL-Total EFF 1-4**	NWTPH-Gx	AJR	2	PASI-M
		EPA 8260B	MJD	7	PASI-M
10455122014	**GW-110818-JRL-Total EFF 5-7**	EPA 1664A OG	AR3	1	PASI-M
10455122015	**Trip Blank**	NWTPH-Gx	AJR	2	PASI-M
		EPA 8260B	MJD	7	PASI-M

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ANALYTICAL RESULTS

Project: 70496.17
Pace Project No.: 10455122

Sample: GW-110818-JRL-INF 1 **Lab ID: 10455122001** Collected: 11/08/18 10:45 Received: 11/09/18 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	0.39	1	11/12/18 13:08	11/19/18 11:43	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.39	1	11/12/18 13:08	11/19/18 11:43	64742-65-0	
Surrogates								
o-Terphenyl (S)	76	%.	50-150	1	11/12/18 13:08	11/19/18 11:43	84-15-1	
n-Triacontane (S)	83	%.	50-150	1	11/12/18 13:08	11/19/18 11:43	638-68-6	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx							
TPH as Gas	**15300**	ug/L	1000	10		11/16/18 14:43		
Surrogates								
a,a,a-Trifluorotoluene (S)	126	%.	50-150	10		11/16/18 14:43	98-08-8	
8260B MSV UST	Analytical Method: EPA 8260B							
Benzene	**2140**	ug/L	10.0	10		11/16/18 16:08	71-43-2	
Ethylbenzene	**46.6**	ug/L	1.0	1		11/16/18 13:34	100-41-4	
Toluene	**1240**	ug/L	10.0	10		11/16/18 16:08	108-88-3	
Xylene (Total)	**2420**	ug/L	30.0	10		11/16/18 16:08	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	96	%.	75-125	1		11/16/18 13:34	17060-07-0	
Toluene-d8 (S)	85	%.	75-125	1		11/16/18 13:34	2037-26-5	
4-Bromofluorobenzene (S)	94	%.	75-125	1		11/16/18 13:34	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17
Pace Project No.: 10455122

Sample: GW-110818-JRL-INF 2 **Lab ID: 10455122002** Collected: 11/08/18 10:30 Received: 11/09/18 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	0.39	1	11/12/18 13:08	11/19/18 11:55	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.39	1	11/12/18 13:08	11/19/18 11:55	64742-65-0	
Surrogates								
o-Terphenyl (S)	84	%.	50-150	1	11/12/18 13:08	11/19/18 11:55	84-15-1	
n-Triacontane (S)	87	%.	50-150	1	11/12/18 13:08	11/19/18 11:55	638-68-6	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx							
TPH as Gas	**290**	ug/L	100	1		11/15/18 23:35		G+
Surrogates								
a,a,a-Trifluorotoluene (S)	94	%.	50-150	1		11/15/18 23:35	98-08-8	
8260B MSV UST	Analytical Method: EPA 8260B							
Benzene	**1.9**	ug/L	1.0	1		11/16/18 15:51	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		11/16/18 15:51	100-41-4	M1
Toluene	ND	ug/L	1.0	1		11/16/18 15:51	108-88-3	M1
Xylene (Total)	**10.7**	ug/L	3.0	1		11/16/18 15:51	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	96	%.	75-125	1		11/16/18 15:51	17060-07-0	
Toluene-d8 (S)	99	%.	75-125	1		11/16/18 15:51	2037-26-5	
4-Bromofluorobenzene (S)	119	%.	75-125	1		11/16/18 15:51	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17
Pace Project No.: 10455122

Sample: GW-110818-JRL-MID 1 **Lab ID: 10455122003** Collected: 11/08/18 10:15 Received: 11/09/18 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	0.39	1	11/12/18 13:08	11/19/18 12:06	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.39	1	11/12/18 13:08	11/19/18 12:06	64742-65-0	
Surrogates								
o-Terphenyl (S)	73	%.	50-150	1	11/12/18 13:08	11/19/18 12:06	84-15-1	
n-Triacontane (S)	69	%.	50-150	1	11/12/18 13:08	11/19/18 12:06	638-68-6	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx							
TPH as Gas	ND	ug/L	100	1		11/15/18 22:10		G+
Surrogates								
a,a,a-Trifluorotoluene (S)	85	%.	50-150	1		11/15/18 22:10	98-08-8	
8260B MSV UST	Analytical Method: EPA 8260B							
Benzene	**11.2**	ug/L	1.0	1		11/16/18 15:34	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		11/16/18 15:34	100-41-4	
Toluene	**1.6**	ug/L	1.0	1		11/16/18 15:34	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		11/16/18 15:34	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	88	%.	75-125	1		11/16/18 15:34	17060-07-0	
Toluene-d8 (S)	99	%.	75-125	1		11/16/18 15:34	2037-26-5	
4-Bromofluorobenzene (S)	105	%.	75-125	1		11/16/18 15:34	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17
Pace Project No.: 10455122

Sample: GW-110818-JRL-MID 2 **Lab ID: 10455122004** Collected: 11/08/18 10:00 Received: 11/09/18 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	11/12/18 13:08	11/19/18 12:17	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.40	1	11/12/18 13:08	11/19/18 12:17	64742-65-0	
Surrogates								
o-Terphenyl (S)	85	%.	50-150	1	11/12/18 13:08	11/19/18 12:17	84-15-1	
n-Triacontane (S)	77	%.	50-150	1	11/12/18 13:08	11/19/18 12:17	638-68-6	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx							
TPH as Gas	ND	ug/L	100	1		11/15/18 21:03		
Surrogates								
a,a,a-Trifluorotoluene (S)	90	%.	50-150	1		11/15/18 21:03	98-08-8	
8260B MSV UST	Analytical Method: EPA 8260B							
Benzene	ND	ug/L	1.0	1		11/16/18 14:07	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		11/16/18 14:07	100-41-4	
Toluene	ND	ug/L	1.0	1		11/16/18 14:07	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		11/16/18 14:07	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%.	75-125	1		11/16/18 14:07	17060-07-0	
Toluene-d8 (S)	100	%.	75-125	1		11/16/18 14:07	2037-26-5	
4-Bromofluorobenzene (S)	85	%.	75-125	1		11/16/18 14:07	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17
Pace Project No.: 10455122

Sample: GW-110818-JRL-Total EFF **Lab ID: 10455122005** Collected: 11/08/18 09:00 Received: 11/09/18 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	11/12/18 13:08	11/19/18 12:29	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.40	1	11/12/18 13:08	11/19/18 12:29	64742-65-0	
Surrogates								
o-Terphenyl (S)	65	%.	50-150	1	11/12/18 13:08	11/19/18 12:29	84-15-1	
n-Triacontane (S)	59	%.	50-150	1	11/12/18 13:08	11/19/18 12:29	638-68-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17
Pace Project No.: 10455122

Sample: GW-110818-JRL-Total EFF 1-4 **Lab ID: 10455122010** Collected: 11/08/18 09:00 Received: 11/09/18 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		11/15/18 22:44		
Surrogates								
a,a,a-Trifluorotoluene (S)	87	%.	50-150	1		11/15/18 22:44	98-08-8	
8260B MSV UST	Analytical Method: EPA 8260B							
Benzene	ND	ug/L	1.0	1		11/16/18 14:24	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		11/16/18 14:24	100-41-4	
Toluene	ND	ug/L	1.0	1		11/16/18 14:24	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		11/16/18 14:24	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	87	%.	75-125	1		11/16/18 14:24	17060-07-0	
Toluene-d8 (S)	91	%.	75-125	1		11/16/18 14:24	2037-26-5	
4-Bromofluorobenzene (S)	91	%.	75-125	1		11/16/18 14:24	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17
Pace Project No.: 10455122

Sample: GW-110818-JRL-Total EFF 5-7 **Lab ID: 10455122014** Collected: 11/08/18 09:00 Received: 11/09/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664A HEM, Oil and Grease	Analytical Method: EPA 1664A OG							
Oil and Grease	ND	mg/L	6.8	1		11/14/18 10:51		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17
Pace Project No.: 10455122

Sample: Trip Blank **Lab ID: 10455122015** Collected: 11/08/18 00:00 Received: 11/09/18 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		11/16/18 00:42		
Surrogates								
a,a,a-Trifluorotoluene (S)	89	%.	50-150	1		11/16/18 00:42	98-08-8	
8260B MSV UST	Analytical Method: EPA 8260B							
Benzene	ND	ug/L	1.0	1		11/16/18 13:00	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		11/16/18 13:00	100-41-4	
Toluene	ND	ug/L	1.0	1		11/16/18 13:00	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		11/16/18 13:00	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%.	75-125	1		11/16/18 13:00	17060-07-0	
Toluene-d8 (S)	99	%.	75-125	1		11/16/18 13:00	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	75-125	1		11/16/18 13:00	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10455122

QC Batch: 575737 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Water
Associated Lab Samples: 10455122002, 10455122003, 10455122004, 10455122010, 10455122015

METHOD BLANK: 3124335 Matrix: Water
Associated Lab Samples: 10455122002, 10455122003, 10455122004, 10455122010, 10455122015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	11/15/18 20:46	
a,a,a-Trifluorotoluene (S)	%.	96	50-150	11/15/18 20:46	

LABORATORY CONTROL SAMPLE & LCSD: 3124336 3124337

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	1120	1120	112	112	41-137	1	20	
a,a,a-Trifluorotoluene (S)	%.				102	102	50-150			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3124422 3124423

Parameter	Units	10455122004 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	1390	1370	139	137	30-145	1	30	
a,a,a-Trifluorotoluene (S)	%.						106	106	50-150			

SAMPLE DUPLICATE: 3124421

Parameter	Units	10455122003 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	ND	94.1J		30	G+
a,a,a-Trifluorotoluene (S)	%.	85	89	4		

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

Pace Analytical Services, LLC
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(612)607-1700

QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10455122

QC Batch: 576055 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Water
Associated Lab Samples: 10455122001

METHOD BLANK: 3125772 Matrix: Water
Associated Lab Samples: 10455122001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	11/16/18 11:43	
a,a,a-Trifluorotoluene (S)	%.	93	50-150	11/16/18 11:43	

LABORATORY CONTROL SAMPLE & LCSD: 3125773 3125774

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	1090	1030	109	103	41-137	5	20	
a,a,a-Trifluorotoluene (S)	%.				106	104	50-150			

SAMPLE DUPLICATE: 3126240

Parameter	Units	10455695001 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	111	111	0	30	
a,a,a-Trifluorotoluene (S)	%.	86	87	1		

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

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10455122

QC Batch: 576074 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV UST-WATER
Associated Lab Samples: 10455122001, 10455122002, 10455122003, 10455122004, 10455122010, 10455122015

METHOD BLANK: 3125821 Matrix: Water
Associated Lab Samples: 10455122001, 10455122002, 10455122003, 10455122004, 10455122010, 10455122015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	11/16/18 12:43	
Ethylbenzene	ug/L	ND	1.0	11/16/18 12:43	
Toluene	ug/L	ND	1.0	11/16/18 12:43	
Xylene (Total)	ug/L	ND	3.0	11/16/18 12:43	
1,2-Dichloroethane-d4 (S)	%.	81	75-125	11/16/18 12:43	
4-Bromofluorobenzene (S)	%.	98	75-125	11/16/18 12:43	
Toluene-d8 (S)	%.	99	75-125	11/16/18 12:43	

LABORATORY CONTROL SAMPLE: 3125822

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	10	11.1	111	75-126	
Ethylbenzene	ug/L	10	10.8	108	75-125	
Toluene	ug/L	10	10.9	109	74-125	
Xylene (Total)	ug/L	30	35.5	118	75-125	
1,2-Dichloroethane-d4 (S)	%.			80	75-125	
4-Bromofluorobenzene (S)	%.			113	75-125	
Toluene-d8 (S)	%.			96	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3126281 3126282

Parameter	Units	10455122002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	1.9	20	20	24.1	26.0	111	121	62-140	8	30	
Ethylbenzene	ug/L	ND	20	20	25.0	28.6	124	142	75-131	14	30	M1
Toluene	ug/L	ND	20	20	25.0	30.2	122	148	68-132	19	30	M1
Xylene (Total)	ug/L	10.7	60	60	91.5	107	135	160	69-135	15	30	MS
1,2-Dichloroethane-d4 (S)	%.						78	81	75-125			
4-Bromofluorobenzene (S)	%.						96	110	75-125			
Toluene-d8 (S)	%.						96	107	75-125			

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

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10455122

QC Batch: 576170 Analysis Method: NWTPH-Dx
QC Batch Method: EPA Mod. 3510C Analysis Description: NWTPH-Dx GCS LV SG
Associated Lab Samples: 10455122001, 10455122002, 10455122003, 10455122004, 10455122005

METHOD BLANK: 3126404 Matrix: Water
Associated Lab Samples: 10455122001, 10455122002, 10455122003, 10455122004, 10455122005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Fuel Range SG	mg/L	ND	0.40	11/19/18 10:47	
Motor Oil Range SG	mg/L	ND	0.40	11/19/18 10:47	
n-Triacontane (S)	%.	75	50-150	11/19/18 10:47	
o-Terphenyl (S)	%.	73	50-150	11/19/18 10:47	

LABORATORY CONTROL SAMPLE & LCSD: 3126405 3126406

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Fuel Range SG	mg/L	2	1.5	1.5	77	77	50-150	0	20	
Motor Oil Range SG	mg/L	2	1.6	1.6	79	80	50-150	1	20	
n-Triacontane (S)	%.				92	88	50-150			
o-Terphenyl (S)	%.				84	83	50-150			

SAMPLE DUPLICATE: 3126407

Parameter	Units	10455834001 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)	%.	66	98	16		
o-Terphenyl (S)	%.	68	92	8		

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

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10455122

QC Batch: 575414 — Analysis Method: EPA 1664A OG
QC Batch Method: EPA 1664A OG — Analysis Description: 1664A HEM, Oil and Grease
Associated Lab Samples: 10455122014

METHOD BLANK: 3123124 — Matrix: Water
Associated Lab Samples: 10455122014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	11/14/18 09:22	

LABORATORY CONTROL SAMPLE: 3123125

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	38.0	95	78-114	

MATRIX SPIKE SAMPLE: 3123126

Parameter	Units	10454923002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	40.8	38.0	88	78-114	

SAMPLE DUPLICATE: 3123127

Parameter	Units	10454701001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	ND	ND		18	

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

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: 70496.17
Pace Project No.: 10455122

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: 575414

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

ANALYTE QUALIFIERS

G+	Late 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.

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

METHOD CROSS REFERENCE TABLE

Project: 70496.17
Pace Project No.: 10455122

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

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 70496.17
Pace Project No.: 10455122

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10455122001	**GW-110818-JRL-INF 1**	EPA Mod. 3510C	576170	NWTPH-Dx	576323
10455122002	**GW-110818-JRL-INF 2**	EPA Mod. 3510C	576170	NWTPH-Dx	576323
10455122003	**GW-110818-JRL-MID 1**	EPA Mod. 3510C	576170	NWTPH-Dx	576323
10455122004	**GW-110818-JRL-MID 2**	EPA Mod. 3510C	576170	NWTPH-Dx	576323
10455122005	**GW-110818-JRL-Total EFF**	EPA Mod. 3510C	576170	NWTPH-Dx	576323
10455122001	**GW-110818-JRL-INF 1**	NWTPH-Gx	576055		
10455122002	**GW-110818-JRL-INF 2**	NWTPH-Gx	575737		
10455122003	**GW-110818-JRL-MID 1**	NWTPH-Gx	575737		
10455122004	**GW-110818-JRL-MID 2**	NWTPH-Gx	575737		
10455122010	**GW-110818-JRL-Total EFF 1-4**	NWTPH-Gx	575737		
10455122015	**Trip Blank**	NWTPH-Gx	575737		
10455122001	**GW-110818-JRL-INF 1**	EPA 8260B	576074		
10455122002	**GW-110818-JRL-INF 2**	EPA 8260B	576074		
10455122003	**GW-110818-JRL-MID 1**	EPA 8260B	576074		
10455122004	**GW-110818-JRL-MID 2**	EPA 8260B	576074		
10455122010	**GW-110818-JRL-Total EFF 1-4**	EPA 8260B	576074		
10455122015	**Trip Blank**	EPA 8260B	576074		
10455122014	**GW-110818-JRL-Total EFF 5-7**	EPA 1664A OG	575414		

WO#: 10455122

10455122

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:

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

Section B — Required Project Information:

Report To:	Christina McClelland
Copy To:	Eric Maise and Thuan Bui
Purchase Order No.	
Client Project ID:	70496.17
Container Order Number:	

Section C — Invoice Information:

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

Requested Analysis Filtered (Y/N)

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM#	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	TPHd (NWTPH-Dx) with Silica Gel	TPHg (NWTPH-Gx)	BTEX (EPA 8260)	FOG 1664	Residual Chlorine (Y/N)	
1	GW- 110818 - JRL -INF 1	WT	G	11/8/18	1045								X						X	X	X			001
	GW- 110818 - JRL -INF 2	WT	G	11/8/18	1030								X						X	X	X			002
2	GW- 110818 - JRL -MID 1	WT	G	11/8/18	1015								X						X	X	X			003
3	GW- 110818 - JRL -MID 2	WT	G	11/8/18	1000								X						X	X	X			004
4	GW- 110818 - JRL -Total EFF	WT	G	11/8/18	0900								X						X					005
5	GW- 110818 - JRL -Total EFF 1	WT	G	11/8/18	0900								X							X	X			006
6	GW- 110818 - JRL -Total EFF 2	WT	G	11/8/18	0915								X							X	X			007
7	GW- 110818 - JRL -Total EFF 3	WT	G	11/8/18	0930								X							X	X			008
8	GW- 110818 - JRL -Total EFF 4	WT	G	11/8/18	0945								X							X	X			009
9	GW- 110818 - JRL -Total EFF 5	WT	G	11/8/18	0900								X									X		010
10	GW- 110818 - JRL -Total EFF 6	WT	G	11/8/18	0915								X									X		011
11	GW- 110818 - JRL -Total EFF 7	WT	G	11/8/18	0930								X									X		012

Composite EFF 1, 2, 3, 4 at lab 010

Composite EFF 5, 6, 7 at lab 014

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Trip Blank 2 11/9/18 JL		11/8/18	1414	-PACE	11/9/18	10:00	3.0	Y	Y	Y

GW MONTHLY

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joe Lewandowski

SIGNATURE of SAMPLER:

DATE Signed: 11-08-18

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Pace Analytical	Document Name: **Sample Condition Upon Receipt Form**	Document Revised: 31Oct2018 Page 1 of 2
	Document No.: **F-MN-L-213-rev.24**	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: GHD

Project #: **WO#: 10455122**

PM: JMG **Due Date: 11/16/18**

CLIENT: GHD_COP

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ SpeeDee ☐ Other:

Tracking Number: 4486 7789 9066

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): 3.0 **Cooler Temp Corrected (°C):** 3.0 **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:** 11/9/18 I.J

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?	☒ Yes	☐ No		1.
Chain of Custody Filled Out?	☒ Yes	☐ No		2.
Chain of Custody Relinquished?	☒ Yes	☐ No		3.
Sampler Name and/or Signature on COC?	☒ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes	☐ No		5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☒ No		6.
Rush Turn Around Time Requested?	☐ Yes	☒ No		7.
Sufficient Volume?	☒ Yes	☐ No		8.
Correct Containers Used?	☒ Yes	☐ No		9.
-Pace Containers Used?	☒ Yes	☐ No		
Containers Intact?	☒ Yes	☐ No		10.
Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☒ N/A	11. Note if sediment is visible in the dissolved container
Is sufficient information available to reconcile the samples to the COC? Matrix: WT	☒ Yes	☐ No		12.
All containers needing acid/base preservation have been checked?	☐ Yes	☐ No	☒ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH Positive for Res. Chlorine? Y N
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>12 Cyanide)	☐ Yes	☐ No	☒ N/A	Sample #
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	☒ Yes	☐ No	☐ N/A	Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☐ Yes	☒ No	☐ N/A	14. See exceptions
Trip Blank Present?	☒ Yes	☐ No	☐ N/A	15.
Trip Blank Custody Seals Present?	☒ Yes	☐ No	☐ N/A	
Pace Trip Blank Lot # (if purchased): 142920				

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

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Julie Bow **Date:** 11/20/18

Note: Whenever there is a discrepancy affecting North Carolina compliance 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).

Labeled by: I.J

Pace Analytical	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
Trip Blank	0	4	0	4

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

December 19, 2018

Jeff Gaarder
GHD
20818 44th Ave West
Suite 190
Lynnwood, WA 98036

RE: Project: 70496
Pace Project No.: 10458531

Dear Jeff Gaarder:
Enclosed are the analytical results for sample(s) received by the laboratory on December 12, 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: Christina McClelland, GHD Services, Inc.
Accounts Payable, GHD_Conoco Phillips

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 70496
Pace Project No.: 10458531

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 Certifcation #: 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

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 70496
Pace Project No.: 10458531

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10458531001	**A-121018-JRL-INF**	Air	12/10/18 12:40	12/12/18 09:50
10458531002	**A-121018-JRL-INF CERT 1328**	Air	12/10/18 12:40	12/12/18 09:50
10458531003	**A-121018-JRL-EFF**	Air	12/10/18 12:35	12/12/18 09:50
10458531004	**A-121018-JRL-EFF CERT 2245**	Air	12/10/18 12:35	12/12/18 09:50

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: 70496
Pace Project No.: 10458531

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10458531001	**A-121018-JRL-INF**	TO-15	MJL	6	PASI-M
10458531002	**A-121018-JRL-INF CERT 1328**	TO-15	AFV	5	PASI-M
10458531003	**A-121018-JRL-EFF**	TO-15	MJL	6	PASI-M
10458531004	**A-121018-JRL-EFF CERT 2245**	TO-15	MG2	5	PASI-M

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10458531

Sample: A-121018-JRL-INF **Lab ID: 10458531001** Collected: 12/10/18 12:40 Received: 12/12/18 09:50 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Benzene	**1970**	ppbv	26.9	268.8		12/18/18 02:57	71-43-2	
Ethylbenzene	**716**	ppbv	53.8	268.8		12/18/18 02:57	100-41-4	
THC as Gas	**67100**	ppbv	6420	268.8		12/18/18 02:57		N2
Toluene	**4350**	ppbv	53.8	268.8		12/18/18 02:57	108-88-3	
m&p-Xylene	**5060**	ppbv	108	268.8		12/18/18 02:57	179601-23-1	
o-Xylene	**1870**	ppbv	53.8	268.8		12/18/18 02:57	95-47-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10458531

Sample: A-121018-JRL-INF CERT 1328 **Lab ID: 10458531002** Collected: 12/10/18 12:40 Received: 12/12/18 09:50 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		10/26/18 11:34	71-43-2	
Ethylbenzene	ND	ug/m3	0.88	1		10/26/18 11:34	100-41-4	
Toluene	ND	ug/m3	0.77	1		10/26/18 11:34	108-88-3	
m&p-Xylene	ND	ug/m3	1.8	1		10/26/18 11:34	179601-23-1	
o-Xylene	ND	ug/m3	0.88	1		10/26/18 11:34	95-47-6	

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ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10458531

Sample: A-121018-JRL-EFF **Lab ID: 10458531003** Collected: 12/10/18 12:35 Received: 12/12/18 09:50 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Benzene	**0.97**	ppbv	0.18	1.83		12/18/18 03:26	71-43-2	
Ethylbenzene	**0.62**	ppbv	0.37	1.83		12/18/18 03:26	100-41-4	
THC as Gas	**544**	ppbv	43.7	1.83		12/18/18 03:26		N2
Toluene	**2.1**	ppbv	0.37	1.83		12/18/18 03:26	108-88-3	
m&p-Xylene	**3.5**	ppbv	0.73	1.83		12/18/18 03:26	179601-23-1	
o-Xylene	**1.4**	ppbv	0.37	1.83		12/18/18 03:26	95-47-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10458531

Sample: A-121018-JRL-EFF CERT 2245 **Lab ID: 10458531004** Collected: 12/10/18 12:35 Received: 12/12/18 09:50 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		10/28/18 09:01	71-43-2	
Ethylbenzene	ND	ug/m3	0.88	1		10/28/18 09:01	100-41-4	
Toluene	ND	ug/m3	0.77	1		10/28/18 09:01	108-88-3	
m&p-Xylene	ND	ug/m3	1.8	1		10/28/18 09:01	179601-23-1	
o-Xylene	ND	ug/m3	0.88	1		10/28/18 09:01	95-47-6	

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QUALITY CONTROL DATA

Project: 70496
Pace Project No.: 10458531

QC Batch: 581403 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR
Associated Lab Samples: 10458531001, 10458531003

METHOD BLANK: 3152243 Matrix: Air
Associated Lab Samples: 10458531001, 10458531003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ppbv	ND	0.050	12/17/18 10:04	
Ethylbenzene	ppbv	ND	0.10	12/17/18 10:04	
m&p-Xylene	ppbv	ND	0.20	12/17/18 10:04	
o-Xylene	ppbv	ND	0.10	12/17/18 10:04	
THC as Gas	ppbv	ND	12.0	12/17/18 10:04	N2
Toluene	ppbv	ND	0.10	12/17/18 10:04	

LABORATORY CONTROL SAMPLE: 3152244

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ppbv	10	10.9	109	70-134	
Ethylbenzene	ppbv	10	11.3	113	70-133	
m&p-Xylene	ppbv	20	22.3	111	70-133	
o-Xylene	ppbv	10	11.0	110	70-132	
THC as Gas	ppbv	1120	1360	122	59-150	N2
Toluene	ppbv	10	11.1	111	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

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: 70496
Pace Project No.: 10458531

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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 70496
Pace Project No.: 10458531

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10458531001	**A-121018-JRL-INF**	TO-15	581403		
10458531003	**A-121018-JRL-EFF**	TO-15	581403		
10458531002	**A-121018-JRL-INF CERT 1328**	TO-15	581656		
10458531004	**A-121018-JRL-EFF CERT 2245**	TO-15	581656		

WO# : 10458531

10458531

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Requ

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fi

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	GHD Services, Inc.	Report To:	Jeff Gaarder	Attention:	Jeff Gaarder
Address:	20818 44th Avenue West, Suite 190 Lynnwood, WA 98036	Copy To:	Christina McClelland	Company Name:	GHD Services, Inc.
				Address:	2055 Niagara Falls Boulevard Suite #3, Niagara Falls, New York, 14304
Email To:	jeff.gaarder@ghd.com; christina.mcclelland@ghd.com	Purchase Order No.		Pace Quote Reference:	
		Client Project ID:	70496	Pace Project Manager:	Jennifer Gross
Phone:	(425)563-6502 Fax:	Container Order Number:		Pace Profile #:	
Requested Due Date/TAT:	Standard				

Regulatory Agency

State / Location

Requested Analysis Filtered (Y/N)

SAMPLE ID

One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM#	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	NWTPH-Gx (TPHg)	BTEX (TO-15)	Residual Chlorine (Y/N)	CANISTER #
1	A- 121018 -JEL -INF	OT	G	12-10-18	1240				1	X									X	X		1328 001,002
2	A- 121018 -JEL -EFF	OT	G	12/10/18	1235				1	X									X	X		2245 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			
	GHD	12/10/18	1420	Pace	12/12/18	9:30	-	N	N	Y

CW MONTHLY

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	JOE LEWANDOWSKI				
SIGNATURE of SAMPLER:		DATE Signed:	12/10/18	TEMP in C	Received on Ice (Y/N) / Custody Sealed Cooler (Y/N) / Samples Intact (Y/N)

Pace Analytical	Document Name: Air Sample Condition Upon Receipt	Document Revised: 11Oct2018 Page 1 of 1
	Document No.: F-MN-A-106-rev.16	Issuing Authority: Pace Minnesota Quality Office

Air Sample Condition Upon Receipt

Client Name: GHD

Project #: WO#: 10458531

PM: JMG Due Date: 12/19/18

CLIENT: GHD_COP

Courier: ☑ Fed Ex ☐ UPS ☐ Speedee ☐ Client ☐ Commercial ☐ Pace ☐ Other:

Tracking Number: 4643 9907 0761

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 ☐ G87A9155100842

Temp should be above freezing to 6°C **Correction Factor:** — **Date & Initials of Person Examining Contents:** 12/12 11 CS

Type of ice Received ☐ Blue ☐ Wet ☑ None

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

Samples Received: FFFT 2 stainless gauges Pressure Gauge # 10AIR35

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
INF			0.0	-10.0					
EFF			-2.5	"					

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

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Jenni Gross Date: 12/12/18

Note: Whenever there is a discrepancy affecti compliance 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)

Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

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

Lab Project Number: 10458531
Project Name: 70496

Lab Sample No: 10458531001 ProjSampleNum: 10458531001 Date Collected: 12/10/18 12:40
Client Sample ID: A-121018-JRL-INF Matrix: Air Date Received: 12/12/18 9:50

Parameters	Report Limit ppbv	Results ppbv	Report Limit ug/m3	Results ug/m3	DF	Analyzed	CAS No.
Air							
TO-15							
Benzene	26.9	1970	87.4	6400	268.8	12/18/18 2:57 MJL	71-43-2
Ethylbenzene	53.8	716	237	3160	268.8	12/18/18 2:57 MJL	100-41-4
m&p-Xylene	108	5060	477	22300	268.8	12/18/18 2:57 MJL	179601-23-1
o-Xylene	53.8	1870	237	8250	268.8	12/18/18 2:57 MJL	95-47-6
THC as Gas	6420	67100	27900	291000	268.8	12/18/18 2:57 MJL	
Toluene	53.8	4350	206	16700	268.8	12/18/18 2:57 MJL	108-88-3

Lab Sample No: 10458531003 ProjSampleNum: 10458531003 Date Collected: 12/10/18 12:35
Client Sample ID: A-121018-JRL-EFF Matrix: Air Date Received: 12/12/18 9:50

Parameters	Report Limit ppbv	Results ppbv	Report Limit ug/m3	Results ug/m3	DF	Analyzed	CAS No.
Air							
TO-15							
Benzene	0.18	0.97	0.58	3.2	1.83	12/18/18 3:26 MJL	71-43-2
Ethylbenzene	0.37	0.62	1.6	2.7	1.83	12/18/18 3:26 MJL	100-41-4
m&p-Xylene	0.73	3.5	3.2	15.4	1.83	12/18/18 3:26 MJL	179601-23-1
o-Xylene	0.37	1.4	1.6	6.2	1.83	12/18/18 3:26 MJL	95-47-6
THC as Gas	43.7	544	190	2360	1.83	12/18/18 3:26 MJL	
Toluene	0.37	2.1	1.4	8	1.83	12/18/18 3:26 MJL	108-88-3

SUPPLEMENTAL REPORT

Units Conversion Request

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

December 24, 2018

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

RE: Project: 70496.17
Pace Project No.: 10458411

Dear Christina McClelland:
Enclosed are the analytical results for sample(s) received by the laboratory on December 11, 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

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 70496.17
Pace Project No.: 10458411

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 Certifcation #: 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

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SAMPLE SUMMARY

Project: 70496.17
Pace Project No.: 10458411

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10458411001	**GW-121018-JRL-INF 1**	Water	12/10/18 12:25	12/11/18 09:35
10458411002	**GW-121018-JRL-INF 2**	Water	12/10/18 12:10	12/11/18 09:35
10458411003	**GW-121018-JRL-MID 1**	Water	12/10/18 11:55	12/11/18 09:35
10458411004	**GW-121018-JRL-MID 2**	Water	12/10/18 11:40	12/11/18 09:35
10458411005	**GW-121018-JRL-TOTAL EFF**	Water	12/10/18 10:25	12/11/18 09:35
10458411006	**GW-121018-JRL-TOTAL EFF 1**	Water	12/10/18 10:25	12/11/18 09:35
10458411007	**GW-121018-JRL-TOTAL EFF 2**	Water	12/10/18 10:40	12/11/18 09:35
10458411008	**GW-121018-JRL-TOTAL EFF 3**	Water	12/10/18 10:55	12/11/18 09:35
10458411009	**GW-121018-JRL-TOTAL EFF 4**	Water	12/10/18 11:10	12/11/18 09:35
10458411010	**GW-121018-JRL-TOTAL EFF1,2,3,4**	Water	12/10/18 11:10	12/11/18 09:35
10458411011	**GW-121018-JRL-Total Eff 5**	Water	12/10/18 10:25	12/11/18 09:35
10458411012	**GW-121018-JRL-Total Eff 6**	Water	12/10/18 10:40	12/11/18 09:35
10458411013	**GW-121018-JRL-Total Eff 7**	Water	12/10/18 10:55	12/11/18 09:35
10458411014	**GW-121018-JRL-Total Eff 5,6,7**	Water	12/10/18 10:55	12/11/18 09:35
10458411015	**Trip Blank**	Water	12/10/18 00:00	12/11/18 09:35

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(612)607-1700

SAMPLE ANALYTE COUNT

Project: 70496.17
Pace Project No.: 10458411

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10458411001	**GW-121018-JRL-INF 1**	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	AEZ	7	PASI-M
10458411002	**GW-121018-JRL-INF 2**	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	AEZ	7	PASI-M
10458411003	**GW-121018-JRL-MID 1**	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	GD1	7	PASI-M
10458411004	**GW-121018-JRL-MID 2**	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	GD1	7	PASI-M
10458411005	**GW-121018-JRL-TOTAL EFF**	NWTPH-Dx	EC2	4	PASI-M
10458411010	**GW-121018-JRL-TOTAL EFF1,2,3,4**	NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	GD1	7	PASI-M
10458411014	**GW-121018-JRL-Total Eff 5,6,7**	EPA 1664A OG	AR3	1	PASI-M
10458411015	**Trip Blank**	NWTPH-Gx	AG1	2	PASI-M
		EPA 8260B	GD1	7	PASI-M

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 70496.17
Pace Project No.: 10458411

Sample: GW-121018-JRL-INF 1 **Lab ID: 10458411001** Collected: 12/10/18 12:25 Received: 12/11/18 09:35 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	**2.1**	mg/L	0.39	1	12/14/18 12:29	12/20/18 18:30	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.39	1	12/14/18 12:29	12/20/18 18:30	64742-65-0	
Surrogates								
o-Terphenyl (S)	88	%.	50-150	1	12/14/18 12:29	12/20/18 18:30	84-15-1	
n-Triacontane (S)	84	%.	50-150	1	12/14/18 12:29	12/20/18 18:30	638-68-6	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx							
TPH as Gas	**31600**	ug/L	1000	10		12/19/18 04:37		G-
Surrogates								
a,a,a-Trifluorotoluene (S)	64	%.	50-150	10		12/19/18 04:37	98-08-8	
8260B MSV UST	Analytical Method: EPA 8260B							
Benzene	**1460**	ug/L	10.0	10		12/19/18 23:10	71-43-2	
Ethylbenzene	**111**	ug/L	10.0	10		12/19/18 23:10	100-41-4	
Toluene	**2680**	ug/L	20.0	20		12/20/18 16:15	108-88-3	
Xylene (Total)	**3320**	ug/L	30.0	10		12/19/18 23:10	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	86	%.	75-125	10		12/19/18 23:10	17060-07-0	
Toluene-d8 (S)	96	%.	75-125	10		12/19/18 23:10	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	75-125	10		12/19/18 23:10	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 70496.17
Pace Project No.: 10458411

Sample: GW-121018-JRL-INF 2 **Lab ID: 10458411002** Collected: 12/10/18 12:10 Received: 12/11/18 09:35 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	**1.1**	mg/L	0.38	1	12/14/18 12:29	12/20/18 18:41	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.38	1	12/14/18 12:29	12/20/18 18:41	64742-65-0	
Surrogates								
o-Terphenyl (S)	80	%.	50-150	1	12/14/18 12:29	12/20/18 18:41	84-15-1	
n-Triacontane (S)	79	%.	50-150	1	12/14/18 12:29	12/20/18 18:41	638-68-6	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx							
TPH as Gas	**663**	ug/L	100	1		12/19/18 01:31		G+,G-, M1
Surrogates								
a,a,a-Trifluorotoluene (S)	71	%.	50-150	1		12/19/18 01:31	98-08-8	
8260B MSV UST	Analytical Method: EPA 8260B							
Benzene	**2.1**	ug/L	1.0	1		12/19/18 20:30	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		12/19/18 20:30	100-41-4	
Toluene	ND	ug/L	1.0	1		12/19/18 20:30	108-88-3	
Xylene (Total)	**59.0**	ug/L	3.0	1		12/19/18 20:30	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	90	%.	75-125	1		12/19/18 20:30	17060-07-0	
Toluene-d8 (S)	94	%.	75-125	1		12/19/18 20:30	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	75-125	1		12/19/18 20:30	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17
Pace Project No.: 10458411

Sample: GW-121018-JRL-MID 1 **Lab ID: 10458411003** Collected: 12/10/18 11:55 Received: 12/11/18 09:35 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	12/14/18 12:29	12/20/18 18:52	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.39	1	12/14/18 12:29	12/20/18 18:52	64742-65-0	
Surrogates								
o-Terphenyl (S)	93	%.	50-150	1	12/14/18 12:29	12/20/18 18:52	84-15-1	
n-Triacontane (S)	96	%.	50-150	1	12/14/18 12:29	12/20/18 18:52	638-68-6	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx							
TPH as Gas	ND	ug/L	100	1		12/19/18 05:11		G-
Surrogates								
a,a,a-Trifluorotoluene (S)	64	%.	50-150	1		12/19/18 05:11	98-08-8	
8260B MSV UST	Analytical Method: EPA 8260B							
Benzene	**11.1**	ug/L	1.0	1		12/20/18 20:25	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		12/20/18 20:25	100-41-4	
Toluene	**2.1**	ug/L	1.0	1		12/20/18 20:25	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		12/20/18 20:25	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%.	75-125	1		12/20/18 20:25	17060-07-0	
Toluene-d8 (S)	98	%.	75-125	1		12/20/18 20:25	2037-26-5	
4-Bromofluorobenzene (S)	106	%.	75-125	1		12/20/18 20:25	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17
Pace Project No.: 10458411

Sample: GW-121018-JRL-MID 2 **Lab ID: 10458411004** Collected: 12/10/18 11:40 Received: 12/11/18 09:35 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	12/14/18 12:29	12/20/18 19:03	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.39	1	12/14/18 12:29	12/20/18 19:03	64742-65-0	
Surrogates								
o-Terphenyl (S)	90	%.	50-150	1	12/14/18 12:29	12/20/18 19:03	84-15-1	
n-Triacontane (S)	97	%.	50-150	1	12/14/18 12:29	12/20/18 19:03	638-68-6	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx							
TPH as Gas	ND	ug/L	100	1		12/19/18 02:39		
Surrogates								
a,a,a-Trifluorotoluene (S)	67	%.	50-150	1		12/19/18 02:39	98-08-8	
8260B MSV UST	Analytical Method: EPA 8260B							
Benzene	ND	ug/L	1.0	1		12/20/18 20:42	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		12/20/18 20:42	100-41-4	
Toluene	ND	ug/L	1.0	1		12/20/18 20:42	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		12/20/18 20:42	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%.	75-125	1		12/20/18 20:42	17060-07-0	
Toluene-d8 (S)	111	%.	75-125	1		12/20/18 20:42	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	75-125	1		12/20/18 20:42	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17
Pace Project No.: 10458411

Sample: GW-121018-JRL-TOTAL EFF **Lab ID: 10458411005** Collected: 12/10/18 10:25 Received: 12/11/18 09:35 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	12/14/18 12:29	12/20/18 19:24	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.40	1	12/14/18 12:29	12/20/18 19:24	64742-65-0	
Surrogates								
o-Terphenyl (S)	88	%.	50-150	1	12/14/18 12:29	12/20/18 19:24	84-15-1	
n-Triacontane (S)	93	%.	50-150	1	12/14/18 12:29	12/20/18 19:24	638-68-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17
Pace Project No.: 10458411

Sample: GW-121018-JRL-TOTAL EFF1,2,3,4 **Lab ID: 10458411010** Collected: 12/10/18 11:10 Received: 12/11/18 09:35 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		12/19/18 05:28		
Surrogates								
a,a,a-Trifluorotoluene (S)	70	%.	50-150	1		12/19/18 05:28	98-08-8	
8260B MSV UST	Analytical Method: EPA 8260B							
Benzene	ND	ug/L	1.0	1		12/20/18 18:09	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		12/20/18 18:09	100-41-4	
Toluene	ND	ug/L	1.0	1		12/20/18 18:09	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		12/20/18 18:09	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	104	%.	75-125	1		12/20/18 18:09	17060-07-0	
Toluene-d8 (S)	99	%.	75-125	1		12/20/18 18:09	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	75-125	1		12/20/18 18:09	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17
Pace Project No.: 10458411

Sample: GW-121018-JRL-Total Eff 5,6,7 **Lab ID: 10458411014** Collected: 12/10/18 10:55 Received: 12/11/18 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664A HEM, Oil and Grease	Analytical Method: EPA 1664A OG							
Oil and Grease	ND	mg/L	5.0	1		12/21/18 15:08		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17
Pace Project No.: 10458411

Sample: Trip Blank **Lab ID: 10458411015** Collected: 12/10/18 00:00 Received: 12/11/18 09:35 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		12/19/18 03:47		
Surrogates								
a,a,a-Trifluorotoluene (S)	61	%.	50-150	1		12/19/18 03:47	98-08-8	
8260B MSV UST	Analytical Method: EPA 8260B							
Benzene	ND	ug/L	1.0	1		12/20/18 16:45	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		12/20/18 16:45	100-41-4	
Toluene	ND	ug/L	1.0	1		12/20/18 16:45	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		12/20/18 16:45	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	103	%.	75-125	1		12/20/18 16:45	17060-07-0	
Toluene-d8 (S)	101	%.	75-125	1		12/20/18 16:45	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125	1		12/20/18 16:45	460-00-4	

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10458411

QC Batch: 581535 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Water
Associated Lab Samples: 10458411001, 10458411002, 10458411003, 10458411004, 10458411010, 10458411015

METHOD BLANK: 3152689 Matrix: Water
Associated Lab Samples: 10458411001, 10458411002, 10458411003, 10458411004, 10458411010, 10458411015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	12/19/18 00:40	
a,a,a-Trifluorotoluene (S)	%.	65	50-150	12/19/18 00:40	

LABORATORY CONTROL SAMPLE & LCSD: 3152690 3152691

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	1040	1010	104	101	41-137	2	20	
a,a,a-Trifluorotoluene (S)	%.				76	75	50-150			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3153081 3153082

Parameter	Units	10458411002 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	663	1000	1000	2370	1760	170	110	30-145	29	30	M1
a,a,a-Trifluorotoluene (S)	%.						76	78	50-150			

SAMPLE DUPLICATE: 3153080

Parameter	Units	10458575006 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	ND	34.4J		30	
a,a,a-Trifluorotoluene (S)	%.	70	60	16		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10458411

QC Batch: 581924 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV UST-WATER
Associated Lab Samples: 10458411001, 10458411002

METHOD BLANK: 3154420 Matrix: Water
Associated Lab Samples: 10458411001, 10458411002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	12/19/18 14:12	
Ethylbenzene	ug/L	ND	1.0	12/19/18 14:12	
Toluene	ug/L	ND	1.0	12/19/18 14:12	
Xylene (Total)	ug/L	ND	3.0	12/19/18 14:12	
1,2-Dichloroethane-d4 (S)	%.	87	75-125	12/19/18 14:12	
4-Bromofluorobenzene (S)	%.	98	75-125	12/19/18 14:12	
Toluene-d8 (S)	%.	95	75-125	12/19/18 14:12	

LABORATORY CONTROL SAMPLE: 3154421

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	10	8.0	80	75-126	
Ethylbenzene	ug/L	10	8.6	86	75-125	
Toluene	ug/L	10	8.5	85	74-125	
Xylene (Total)	ug/L	30	26.8	89	75-125	
1,2-Dichloroethane-d4 (S)	%.			89	75-125	
4-Bromofluorobenzene (S)	%.			96	75-125	
Toluene-d8 (S)	%.			97	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3154476 3154477

Parameter	Units	10458566002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	20	20	18.6	18.7	92	92	62-140	0	30	
Ethylbenzene	ug/L	ND	20	20	19.8	19.8	98	98	75-131	0	30	
Toluene	ug/L	ND	20	20	19.8	20.0	98	99	68-132	1	30	
Xylene (Total)	ug/L	ND	60	60	62.8	62.0	105	103	69-135	1	30	
1,2-Dichloroethane-d4 (S)	%.						89	88	75-125			
4-Bromofluorobenzene (S)	%.						97	96	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.: 10458411

QC Batch: 582075 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV UST-WATER
Associated Lab Samples: 10458411003, 10458411004, 10458411010, 10458411015

METHOD BLANK: 3155204 Matrix: Water
Associated Lab Samples: 10458411003, 10458411004, 10458411010, 10458411015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	12/20/18 16:28	
Ethylbenzene	ug/L	ND	1.0	12/20/18 16:28	
Toluene	ug/L	ND	1.0	12/20/18 16:28	
Xylene (Total)	ug/L	ND	3.0	12/20/18 16:28	
1,2-Dichloroethane-d4 (S)	%.	102	75-125	12/20/18 16:28	
4-Bromofluorobenzene (S)	%.	100	75-125	12/20/18 16:28	
Toluene-d8 (S)	%.	99	75-125	12/20/18 16:28	

LABORATORY CONTROL SAMPLE: 3155205

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	16.5	82	75-126	
Ethylbenzene	ug/L	20	18.3	91	75-125	
Toluene	ug/L	20	17.0	85	74-125	
Xylene (Total)	ug/L	60	56.6	94	75-125	
1,2-Dichloroethane-d4 (S)	%.			101	75-125	
4-Bromofluorobenzene (S)	%.			106	75-125	
Toluene-d8 (S)	%.			103	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3155208 3155209

Parameter	Units	10458411010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	20	20	14.0	16.0	70	80	62-140	13	30	
Ethylbenzene	ug/L	ND	20	20	15.5	17.8	77	89	75-131	14	30	
Toluene	ug/L	ND	20	20	14.7	16.2	73	80	68-132	9	30	
Xylene (Total)	ug/L	ND	60	60	48.0	54.4	80	91	69-135	12	30	
1,2-Dichloroethane-d4 (S)	%.						100	101	75-125			
4-Bromofluorobenzene (S)	%.						98	96	75-125			
Toluene-d8 (S)	%.						100	102	75-125			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10458411

QC Batch: 581011 Analysis Method: NWTPH-Dx
QC Batch Method: EPA Mod. 3510C Analysis Description: NWTPH-Dx GCS LV SG
Associated Lab Samples: 10458411001, 10458411002, 10458411003, 10458411004, 10458411005

METHOD BLANK: 3150547 Matrix: Water
Associated Lab Samples: 10458411001, 10458411002, 10458411003, 10458411004, 10458411005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Fuel Range SG	mg/L	ND	0.40	12/20/18 16:32	
Motor Oil Range SG	mg/L	ND	0.40	12/20/18 16:32	
n-Triacontane (S)	%.	85	50-150	12/20/18 16:32	
o-Terphenyl (S)	%.	80	50-150	12/20/18 16:32	

LABORATORY CONTROL SAMPLE: 3150548

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Fuel Range SG	mg/L	2	1.9	97	50-150	
Motor Oil Range SG	mg/L	2	1.9	94	50-150	
n-Triacontane (S)	%.			98	50-150	
o-Terphenyl (S)	%.			90	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3150549 3150550

Parameter	Units	10458124007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Diesel Fuel Range SG	mg/L	ND	2	2	1.8	1.8	90	90	50-150	0	30	
Motor Oil Range SG	mg/L	ND	2	2	1.8	1.8	91	90	50-150	1	30	
n-Triacontane (S)	%.						93	95	50-150			
o-Terphenyl (S)	%.						87	85	50-150			

SAMPLE DUPLICATE: 3150551

Parameter	Units	10458411004 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)	%.	97	90	6		
o-Terphenyl (S)	%.	90	87	1		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10458411

QC Batch: 582261 Analysis Method: EPA 1664A OG
QC Batch Method: EPA 1664A OG Analysis Description: 1664A HEM, Oil and Grease
Associated Lab Samples: 10458411014

METHOD BLANK: 3156178 Matrix: Water
Associated Lab Samples: 10458411014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	12/21/18 11:04	

LABORATORY CONTROL SAMPLE: 3156179

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	39.7	99	78-114	

MATRIX SPIKE SAMPLE: 3156180

Parameter	Units	10458127003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	28.8	40	49.8	52	78-114	M1

SAMPLE DUPLICATE: 3156181

Parameter	Units	10458128001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	15.1	8.2	59	18	D6

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REPORT OF LABORATORY ANALYSIS

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(612)607-1700

QUALIFIERS

Project: 70496.17
Pace Project No.: 10458411

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: 582261

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

ANALYTE QUALIFIERS

D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
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.

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

METHOD CROSS REFERENCE TABLE

Project: 70496.17
Pace Project No.: 10458411

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

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 70496.17
Pace Project No.: 10458411

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10458411001	**GW-121018-JRL-INF 1**	EPA Mod. 3510C	581011	NWTPH-Dx	582154
10458411002	**GW-121018-JRL-INF 2**	EPA Mod. 3510C	581011	NWTPH-Dx	582154
10458411003	**GW-121018-JRL-MID 1**	EPA Mod. 3510C	581011	NWTPH-Dx	582154
10458411004	**GW-121018-JRL-MID 2**	EPA Mod. 3510C	581011	NWTPH-Dx	582154
10458411005	**GW-121018-JRL-TOTAL EFF**	EPA Mod. 3510C	581011	NWTPH-Dx	582154
10458411001	**GW-121018-JRL-INF 1**	NWTPH-Gx	581535		
10458411002	**GW-121018-JRL-INF 2**	NWTPH-Gx	581535		
10458411003	**GW-121018-JRL-MID 1**	NWTPH-Gx	581535		
10458411004	**GW-121018-JRL-MID 2**	NWTPH-Gx	581535		
10458411010	**GW-121018-JRL-TOTAL EFF1,2,3,4**	NWTPH-Gx	581535		
10458411015	**Trip Blank**	NWTPH-Gx	581535		
10458411001	**GW-121018-JRL-INF 1**	EPA 8260B	581924		
10458411002	**GW-121018-JRL-INF 2**	EPA 8260B	581924		
10458411003	**GW-121018-JRL-MID 1**	EPA 8260B	582075		
10458411004	**GW-121018-JRL-MID 2**	EPA 8260B	582075		
10458411010	**GW-121018-JRL-TOTAL EFF1,2,3,4**	EPA 8260B	582075		
10458411015	**Trip Blank**	EPA 8260B	582075		
10458411014	**GW-121018-JRL-Total Eff 5,6,7**	EPA 1664A OG	582261		

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page : 1 Of 1

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	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
Email To:	christina.mcclelland@ghd.com, eric.maise@ghd.com, thuan.bui@ghd.com	Purchase Order No.		Pace Quote Reference:	
		Client Project ID:	70496.17	Pace Project Manager:	Jennifer Gross
Phone:	(425)563-6502 Fax:	Container Order Number:		Pace Profile #:	
Requested Due Date/TAT:	Standard				

Regulatory Agency

State / Location

Requested Analysis Filtered (Y/N)

WO# : 10458411

10458411

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM#	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	TPHd (NWTPH-Dx) with Silica Gel	TPHg (NWTPH-Gx)	BTEX(EPA 8260)	FOG 1664	Residual Chlorine (Y/N)		
1	GW- 121018 - JRL -INF 1	WT	G	12/10/18	1225								X						X	X	X				001
	GW- 121018 - JRL -INF 2	WT	G	12/10/18	1210								X						X	X	X				002
2	GW- 121018 - JRL -MID 1	WT	G	12/10/18	1155								X						X	X	X				003
3	GW- 121018 - JRL -MID 2	WT	G	12/10/18	1140								X						X	X	X				004
4	GW- 121018 - JRL -Total EFF	WT	G	12/10/18	1025								X						X						005
5	GW- 121018 - JRL -Total EFF 1	WT	G	12/10/18	1025								X							X	X			Composite EFF 1, 2, 3, 4 at lab	006
6	GW- 121018 - JRL -Total EFF 2	WT	G	12/10/18	1040								X							X	X				007
7	GW- 121018 - JRL -Total EFF 3	WT	G	12/10/18	1055								X							X	X				008
8	GW- 121018 - JRL -Total EFF 4	WT	G	12/10/18	1110								X							X	X				009
9	GW- 121018 - JRL -Total EFF 5	WT	G	12/10/18	1025								X									X			010
10	GW- 121018 - JRL -Total EFF 6	WT	G	12/10/18	1040								X									X		Composite EFF 5, 6, 7 at lab	011
11	GW- 121018 - JRL -Total EFF 7	WT	G	12/10/18	1055								X									X			012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	GHD	12/10/18	1420		12/11/18	935	4.0	4	4	4
GW MONTHLY										

SAMPLER NAME AND SIGNATURE				
PRINT Name of SAMPLER:	JOE LEWANDOWSKI		TEMP in C	Received on Ice (Y/N)
SIGNATURE of SAMPLER:		DATE Signed: 12-10-18	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Pace Analytical	Document Name: **Sample Condition Upon Receipt Form**	Document Revised: 31Oct2018 Page 1 of 2
	Document No.: **F-MN-L-213-rev.24**	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: GHD

Project #: **WO#: 10458411**

PM: JMG **Due Date: 12/24/18**

CLIENT: GHD_COP

Courier: ☒Fed Ex ☐UPS ☐USPS ☐Client ☐Commercial ☐Pace ☐SpeeDee ☐Other:

Tracking Number: 7925 9396 5490

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 **Biological Tissue Frozen?** ☐Yes ☐No ☒N/A

Temp should be above freezing to 6°C **Correction Factor:** tme **Date and Initials of Person Examining Contents:** BV 12/11/18

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?	☒Yes ☐No	1.
Chain of Custody Filled Out?	☒Yes ☐No	2.
Chain of Custody Relinquished?	☒Yes ☐No	3.
Sampler Name and/or Signature on COC?	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time?	☒Yes ☐No	5.
Short Hold Time Analysis (<72 hr)?	☐Yes ☒No	6.
Rush Turn Around Time Requested?	☐Yes ☒No	7.
Sufficient Volume?	☒Yes ☐No	8.
Correct Containers Used? -Pace Containers Used?	☒Yes ☐No ☒Yes ☐No	9.
Containers Intact?	☒Yes ☐No	10.
Filtered Volume Received for Dissolved Tests?	☐Yes ☐No ☒N/A	11. Note if sediment is visible in the dissolved container
Is sufficient information available to reconcile the samples to the COC? Matrix: WT	☒Yes ☐No	12.
All containers needing acid/base preservation have been checked? All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	☐Yes ☐No ☒N/A ☐Yes ☐No ☒N/A ☒Yes ☐No ☐N/A	13. ☐HNO_3 ☐H_2SO_4 ☐NaOH Positive for Res. Chlorine? Y N Sample # Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☐Yes ☒No ☐N/A	14. see exceptions sheet
Trip Blank Present?	☒Yes ☐No ☐N/A	15.
Trip Blank Custody Seals Present?	☐Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 187027		

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

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Jenni Gross **Date:** 12/11/18

Note: Whenever there is a discrepancy affecting North Carolina c s, 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).

Labeled by: BV

Pace Analytical	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
Trip Blank	0	1	3	4

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: **2019** **QUARTER 4** **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)
October	10/11/19	G	<0.001	<0.001	<0.001	<0.003	<6.41	7.8	
	Total volume discharged for October								1,134
November	11/08/19	G	<0.001	<0.001	<0.001	<0.003	<6.33	7.3	
	Total volume discharged for November								781
December	12/16/19	G	<0.001	<0.001	<0.001	<0.003	<6.41	7.8	
	Total volume discharged for December								2,212

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

Phillips 66

Rachel Schumm, Program Mgr. 1/8/2020

Signature of Principal Executive or Authorized Agent — Date

—► Maximum daily flow from this quarter: **158** **gallons.** Date on which maximum daily flow occurred: **10/28/19**

Due Date: **Fourth Quarter Report is due by January 15 of each year.**

Appendix C
Groundwater Monitoring Field Data Sheets

	DTP	DTW
MW-1	—	8.90
MW-2	—	7.83
MW-3	—	7.24
MW-4	—	6.50
MW-5	—	8.35
MW-6	—	9.44
MW-7	—	9.20
MW-8	—	8.71
10	—	9.02
11	—	4.80
12	—	7.21
13	—	7.90
MW-15	—	7.95
MW-16	—	7.59
B-4	—	5.24
B-6	—	5.15
D-1R	—	7.93

	DTP	DTW	
DPE-25	7.14	7.21	
26	7.75	8.86	
27	7.68 ~~8.80~~	7.70	
28	—	7.31	SHERN
31	—	8.60	
32	8.12	10.98	
33	—	8.35	
34	—	5.84	SHERN
35	8.20	8.51	
36	—	7.82	
DPE-38	—	5.62	
39	7.95	9.62	
40	7.95	8.23	
41	8.21	8.54	
43	5.60	5.98	
45	7.56	7.92	
46	~~8~~ SHERN	8.49	
48	—	9.28	
49	8.58	9.22	
50	—	9.19	
51	—	9.8	
52	8.92	9.18	
54	9.11	9.26	
56	8.58	12.05	
57	8.49	9.26	
REX-1	7.80	9.11	