



Transmittal

December 23, 2019

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: Third Quarter 2019 Groundwater Monitoring and Operations and Maintenance Report


No. of Copies	Description/Title	Drawing No./ Document Ref.	Issue
1	Third Quarter 2019 Groundwater Monitoring and Operations and Maintenance Report	60	

Issued for: Your information As requested Construction Quotation
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Remarks:

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

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Third 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

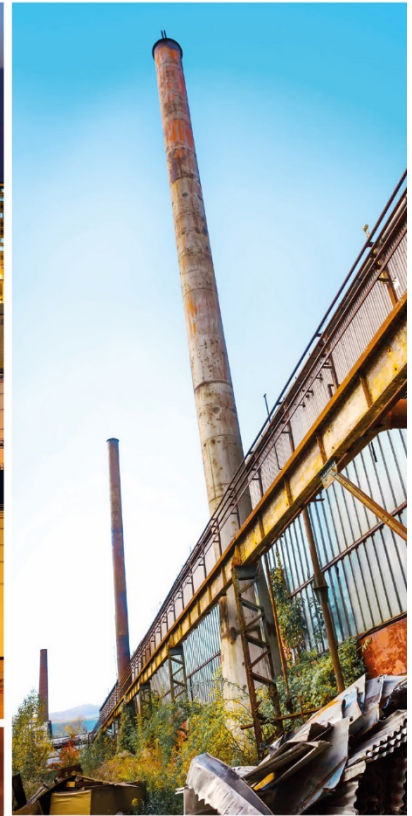




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1. Introduction

GHD has prepared this *Third Quarter 2019 Groundwater Monitoring, Operations and Maintenance Report* on behalf of our client 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 Washington State Department of Ecology (Ecology) entered into an Agreed Order (DE 11313) to implement remedial actions presented in the *Final Cleanup Action Report* (CAR). The remedial actions included installation of a new Dual-Phase Extraction (DPE) system, Operations and Maintenance (O&M), and performance monitoring. The DPE system was initially 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 July 1, 2019 to September 30, 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 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 enhance recovery of LNAPL. Recovered LNAPL is skimmed from the top of the OWS, flows by gravity into a nearby 150-gallon temporary holding tank (PST-5201), where it is automatically transferred to a 10,000-gallon holding tank (PST-5202) for storage pending off-Site disposal and/or recycling. The 10,000-gallon tank was a former fuel additive tank within the terminal tank farm that has been permanently out of service for several years. This tank will serve to increase the capacity of LNAPL that can be temporarily stored prior to off-Site disposal and/or recycling. 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. Air effluent from the air stripper and soil vapor extracted from the DPE wells are 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 1,740 hours between July 1, 2019 and September 30, 2019 with an "up-time" of approximately 98 percent (determined by the system operating time divided by the total time for the reporting period). The following are the notable system shutdowns accounting for approximately 462 hours of down time that occurred during the reporting period:

- July 1 to July 8, 2019 planned shutdown to update the system telemetry to include PST-5202 for approximately 181 hours.
- July 10 to July 12, 2019 planned shutdown to repair LNAPL transfer pump for approximately 46 hours.
- July 24 to July 25, 2019 planned shutdown to install a high-high level alarm in PST-5202 for approximately 23 hours.
- July 30 to July 31, 2019 unplanned shutdown due to PST-5201 high level alarm for approximately 10 hours.
- August 13 to August 14 and August 17 to August 19, 2019 unplanned shutdowns due to air stripper level alarm malfunctions for approximately 39 hours.
- September 7 to September 9, 2019 unplanned shutdown due to area-wide power outage from a rain storm for approximately 46 hours.
- September 19 to September 24, 2019 planned shutdown for groundwater monitoring event for approximately 117 hours.

During the third quarter 2019, the system processed groundwater and LNAPL extracted from five remediation wells DPE-35, DPE-39, DPE-40, DPE-41 and DPE-49, and vapor extracted from 14 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 fourth quarter 2019.

3. Third 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. System modifications to incorporate PST-5202 included installing a transfer pump,



pipng between PST-5201 and PST-5202, and installing a transducer level switch and float switch in tank PST-5202.

The following routine system maintenance and repair activities were completed during the current reporting period:

- Sediment filter bag change-outs.
- Cleaning of valves and transfer pumps.
- Cleaning and servicing of well pumps.
- Air compressor maintenance.
- Blower maintenance and cleaning.

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 July 23, 2019, August 16, 2019 and September 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 Third 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 July 23, 2019, August 16, 2019 and September 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 6,593 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 917 gallons. 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
Third Quarter 2019 Operation (July 1, 2019 to September 30, 2019)	8,926	5,630	5	958	6,593
Cumulative Operation (May 8, 2015 to September 30, 2019)*	4,741,475	19,261	2,218	67,399	88,878

*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"](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 further migration of dissolved-phase petroleum hydrocarbons off-Site. Hydraulic control monitoring was performed during the groundwater gauging activities and 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 Performance Conclusions

The DPE system operated at nearly continuous (approximately 98%) up-time during the third quarter 2019 except for the shutdowns noted in Section 2.0. Four planned and three unplanned shutdowns occurred during the reporting period as described in Section 2.0.

The following activities are planned for the fourth quarter 2019:

- Continuation of air sweep to enhance product recovery via SVE.
- Continue to optimize LNAPL removal.
- Effluent discharge line locating, cleaning and cleanout installation.
- 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.

7. Third Quarter 2019 Groundwater Monitoring Field Activities

7.1 Hydraulic Monitoring

Third quarter 2019 hydraulic monitoring activities were conducted on September 23, 2019. Hydraulic monitoring activities consisted of measuring and recording depth to LNAPL, if present, depth to groundwater from below the top of the well casing for 16 groundwater monitoring wells and 37 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 activities were conducted between September 24 and 25, 2019. Groundwater samples were collected from 14 wells using low-flow sampling procedures. Wells used in the groundwater quality monitoring are presented on Table 6. In addition to the groundwater samples, one field duplicate and one matrix spike and matrix spike duplicate (MS/MSD) sample were collected for quality assurance purposes. Trip blanks provided by the subcontracting laboratory were included in each cooler. Samples collected during the event were placed immediately on ice and transported to Pace Analytical Laboratories via courier under chain of custody. Sample analyses included TPHg per Ecology Method NWTPH-Gx; TPHd and TPHo per Ecology Method NWTPH-Dx, and BTEX, per EPA Method 8260B.

The laboratory analytical report is included in Appendix D.



7.3 Investigation Derived Waste

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

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

8. Groundwater Monitoring Results

8.1 Groundwater Elevation and LNAPL Thickness Data

The purpose of the hydraulic monitoring is to evaluate 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, none of the shallow or deep wells were gauged or sampled. Groundwater elevation data are presented in Table 5 and Figure 5.

8.1.1 Intermediate Well Elevation Data, Flow Direction, and Gradient

Data collected during the third quarter 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 third quarter 2019 sampling event, LNAPL was observed in 12 of the remediation wells gauged. The maximum LNAPL thickness (3.85 feet) was detected in well DPE-35. The average LNAPL thickness was 1.07 feet. 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. During the first quarter 2019 gauging event, the average LNAPL thickness was 2.72 feet, demonstrating an overall decrease in LNAPL thickness from first to third quarter 2019. 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.



8.2 Groundwater Quality Data

The purpose of the groundwater sampling program for this Site is to evaluate groundwater concentration trends to monitor DPE system performance over time and to demonstrate that the plume is contained and is not migrating. Historical groundwater quality data is presented on Table 6. Groundwater quality data from the third quarter 2019 sampling event is presented on Figure 6, and in Table 6. The laboratory analytical report for the third quarter 2019 event is presented in Appendix D. The analytical data validation memo is presented in Appendix E.

Laboratory analytical results from the third quarter 2019 event indicate concentrations of one or more analyzed constituents were above MTCA Method A cleanup levels for the following:

- Benzene – Well MW-15

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

The current groundwater quality data is consistent with historical groundwater data for the Site. With the exception of MW-15, no concentrations exceeded the MTCA Method A cleanup levels. Benzene has been detected above the MTCA Method A cleanup level in well MW-15 in all but two events since 2011, but the concentration detected in third quarter 2019 is the lowest since monitoring began on this well.

As requested by Ecology in an email dated June 12, 2019, GHD sampled wells LAI-13 and LAI-14 during the third quarter 2019 to evaluate groundwater concentrations down-gradient of well MW-15. No concentrations were detected above the laboratory reporting limits in either of these wells.

Monitoring wells MW-3 through MW-6 were installed along the eastern perimeter to delineate the eastern boundary of the plume and to determine if migration of contaminants is occurring. The concentrations in samples collected from wells MW-3, MW-4 and MW-6 were below MTCA Method A cleanup levels. However, these wells will continue to be monitored to verify that impacts are not migrating from the site.

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

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

9. Groundwater Monitoring Conclusions

Groundwater tends to mound in the vicinity of the tank farm 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 and the Ecology email from February 2019 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 fourth quarter 2019.

10. Other Agreed Order Items

No Agreed Order items occurred during the third quarter 2019.



All of Which is Respectfully Submitted,

GHD

Christina McClelland, LG

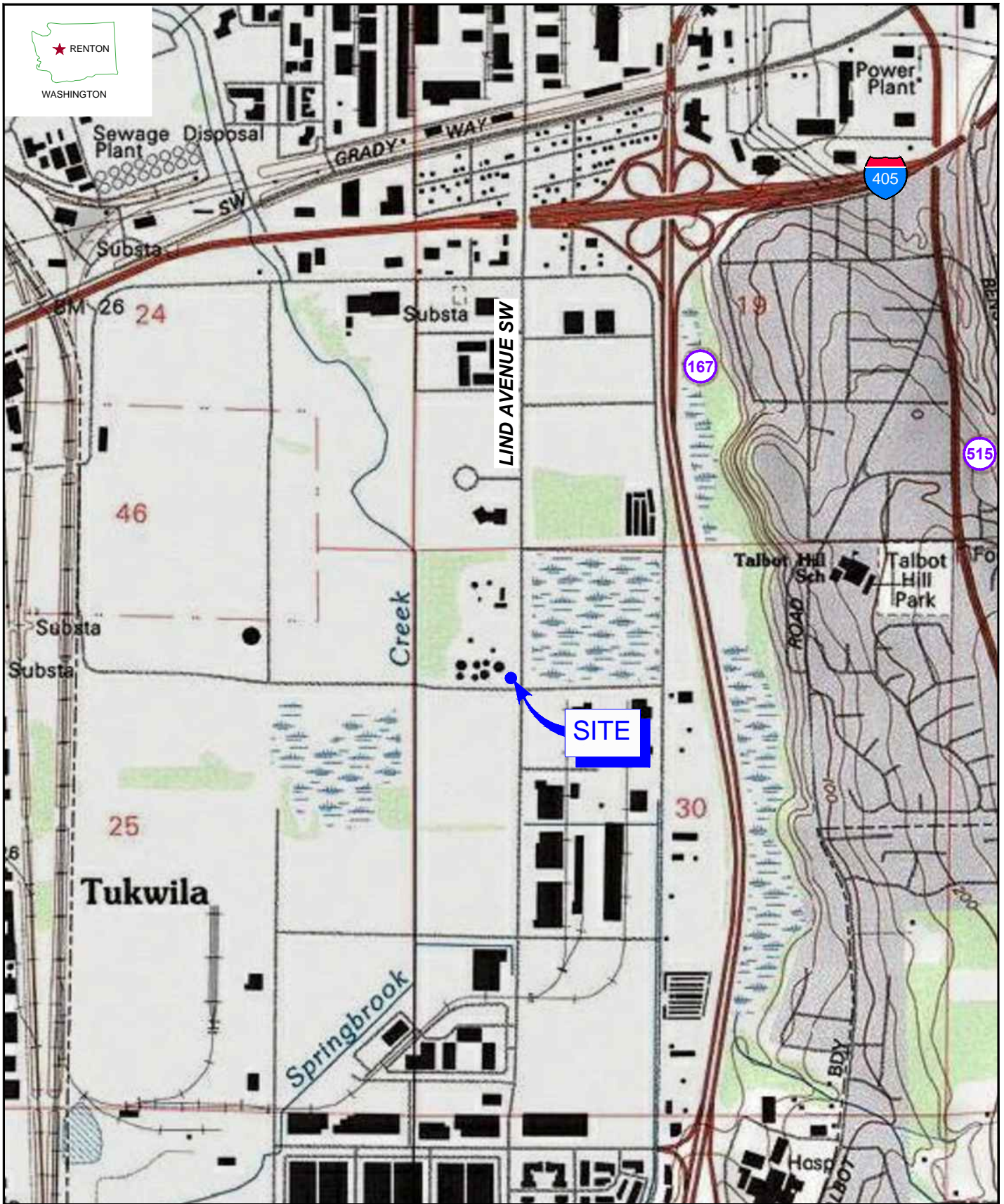


CHRISTINA McCLELLAND

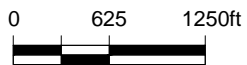
Eric Maise

Dave Hempleman

Figures



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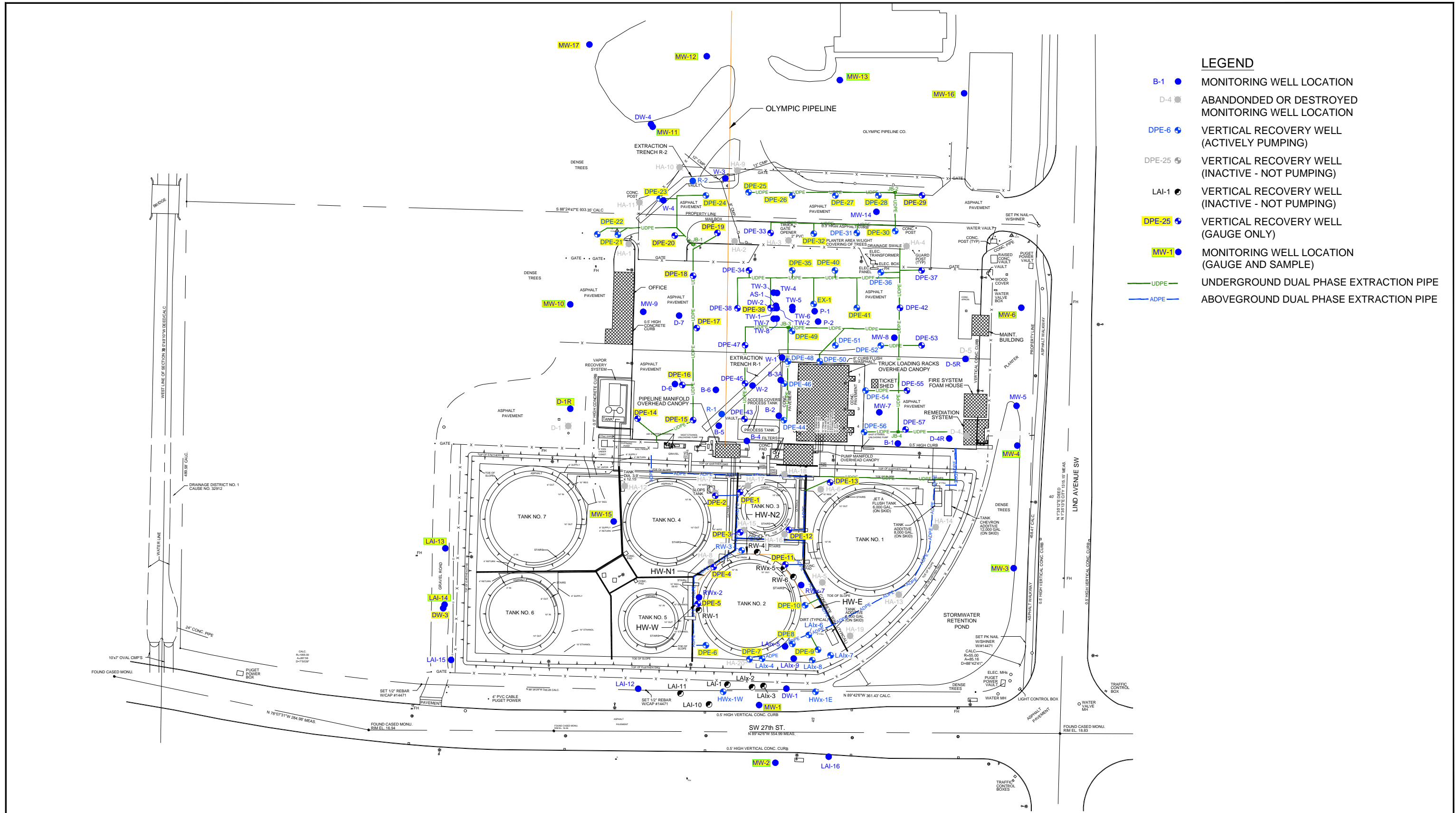
PHILLIPS 66 RENTON TERMINAL
 2423 LIND AVENUE SOUTHWEST
 RENTON, WASHINGTON

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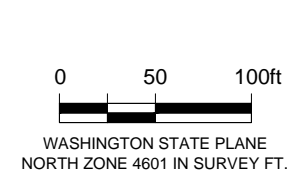
VICINITY MAP

FIGURE 1



- LEGEND**
- B-1 ● MONITORING WELL LOCATION
 - D-4 ● ABANDONDED OR DESTROYED MONITORING WELL LOCATION
 - DPE-6 ● VERTICAL RECOVERY WELL (ACTIVELY PUMPING)
 - DPE-25 ● VERTICAL RECOVERY WELL (INACTIVE - NOT PUMPING)
 - LAI-1 ● VERTICAL RECOVERY WELL (INACTIVE - NOT PUMPING)
 - DPE-25 ● VERTICAL RECOVERY WELL (GAUGE ONLY)
 - MW-1 ● MONITORING WELL LOCATION (GAUGE AND SAMPLE)
 - UDPE — UNDERGROUND DUAL PHASE EXTRACTION PIPE
 - ADPE — ABOVEGROUND DUAL PHASE EXTRACTION PIPE

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

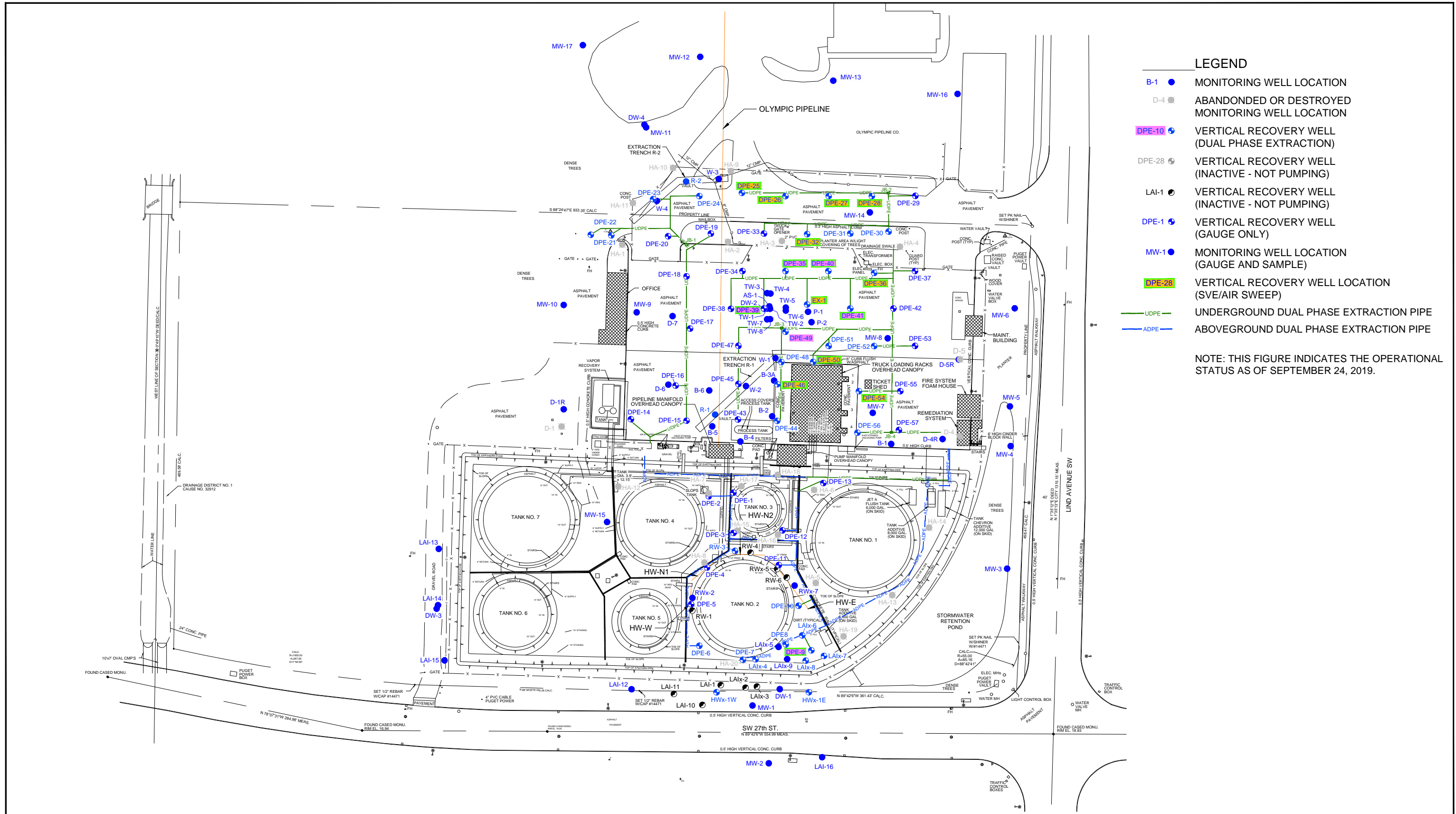


PHILLIPS 66 RENTON TERMINAL
2423 LIND AVENUE SOUTHWEST
RENTON, WASHINGTON

SITE PLAN WITH MONITORING LOCATIONS

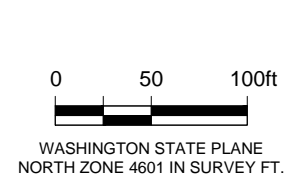
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Dec 4, 2019

FIGURE 2A



- LEGEND**
- B-1 ● MONITORING WELL LOCATION
 - D-4 ■ ABANDONED OR DESTROYED MONITORING WELL LOCATION
 - DPE-10 ● VERTICAL RECOVERY WELL (DUAL PHASE EXTRACTION)
 - DPE-28 ● VERTICAL RECOVERY WELL (INACTIVE - NOT PUMPING)
 - LAI-1 ● INACTIVE RECOVERY WELL (INACTIVE - NOT PUMPING)
 - DPE-1 ● VERTICAL RECOVERY WELL (GAUGE ONLY)
 - MW-1 ● MONITORING WELL LOCATION (GAUGE AND SAMPLE)
 - DPE-28 ● VERTICAL RECOVERY WELL LOCATION (SVE/AIR SWEEP)
 - UDPE — UNDERGROUND DUAL PHASE EXTRACTION PIPE
 - ADPE — ABOVEGROUND DUAL PHASE EXTRACTION PIPE
- NOTE: THIS FIGURE INDICATES THE OPERATIONAL STATUS AS OF SEPTEMBER 24, 2019.

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



PHILLIPS 66 RENTON TERMINAL
 2423 LIND AVENUE SOUTHWEST
 RENTON, WASHINGTON

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SITE PLAN WITH ACTIVE REMEDIATION LOCATIONS

FIGURE 2B

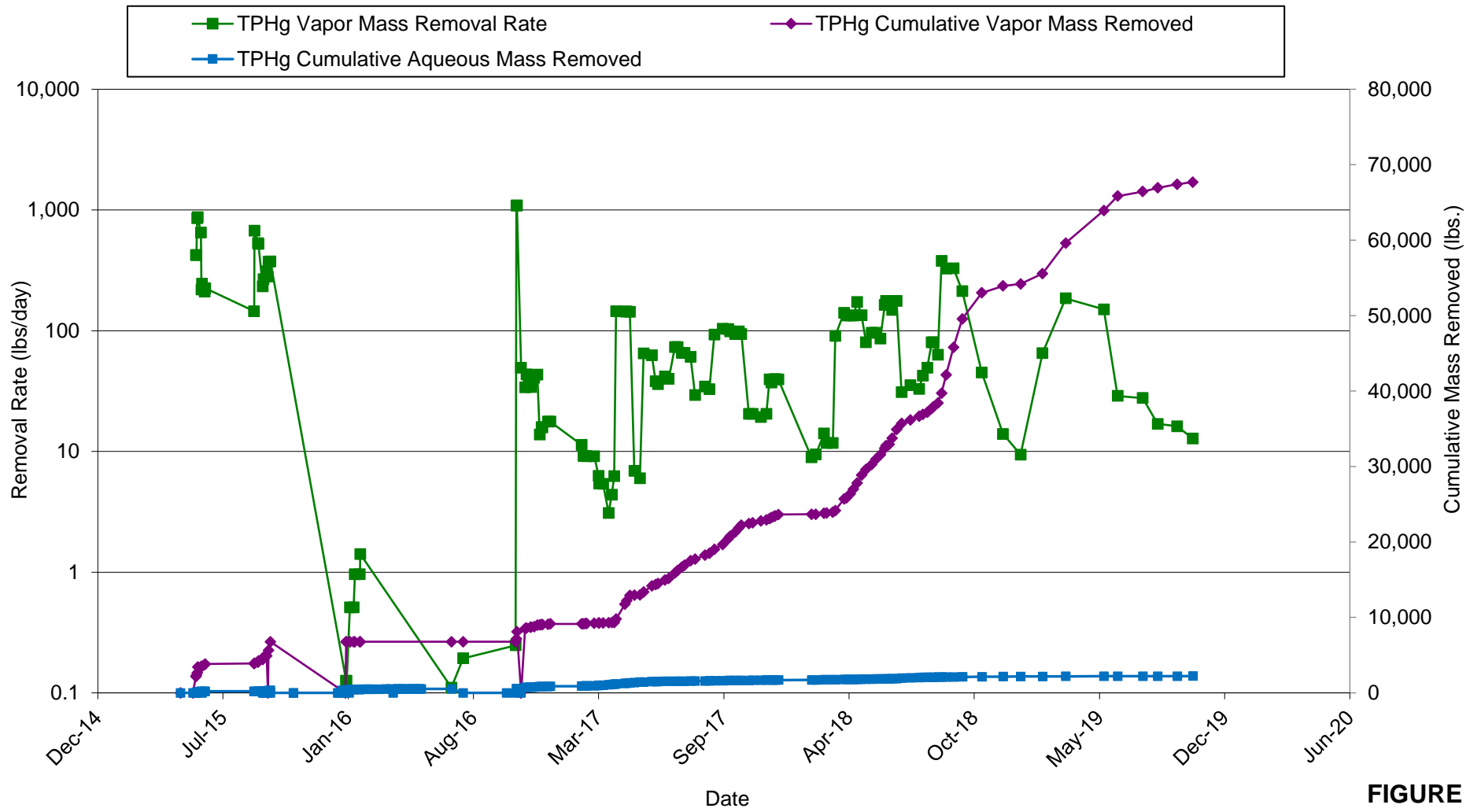


FIGURE 3

Phillips 66 Renton Terminal
 2423 Lind Avenue Southwest
 Renton, Washington



TPHg MASS REMOVAL VS. TIME

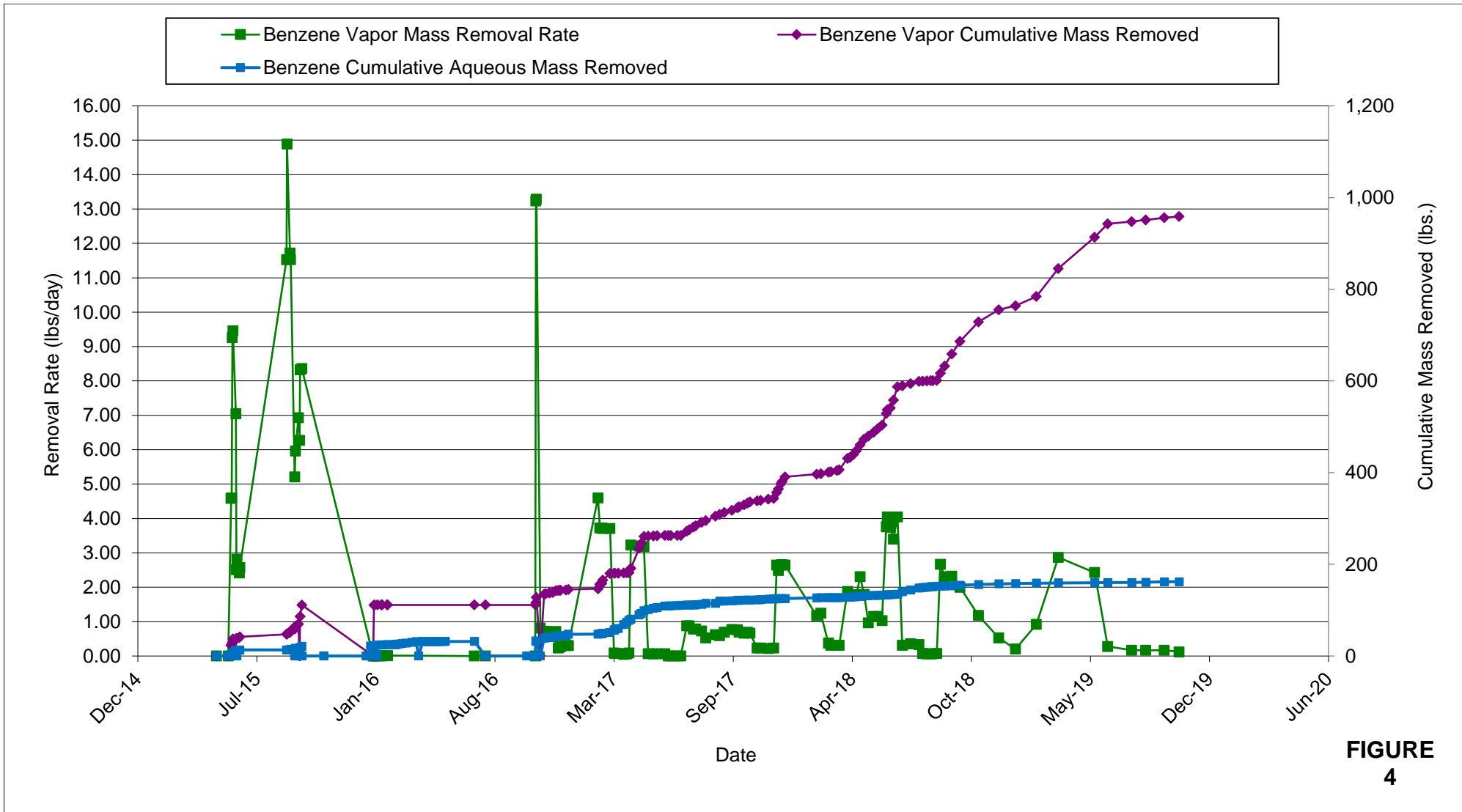
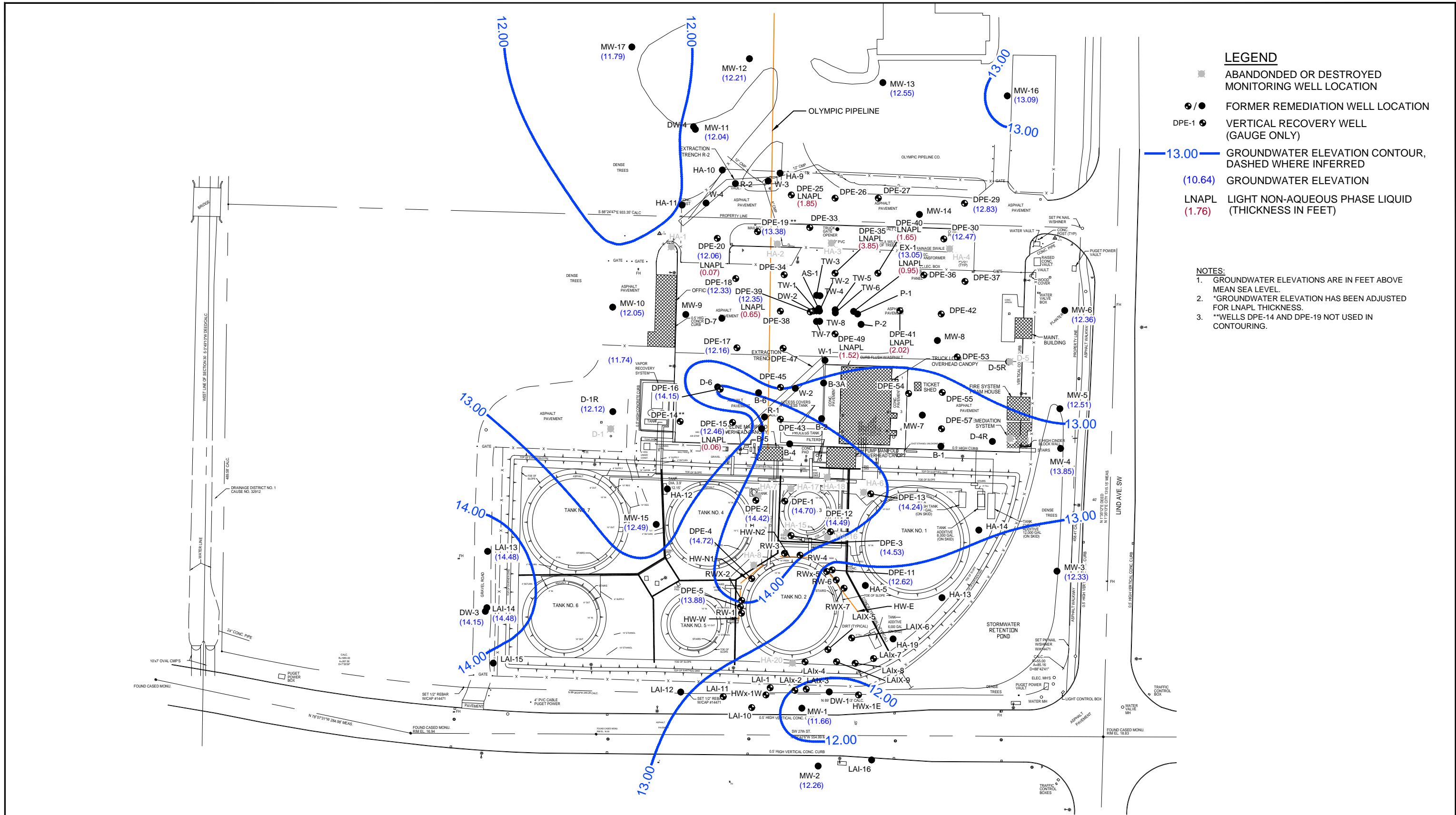


FIGURE 4

Phillips 66 Renton Terminal
 2423 Lind Avenue Southwest
 Renton, Washington



BENZENE MASS REMOVAL VS. TIME



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

- NOTES:**
1. GROUNDWATER ELEVATIONS ARE IN FEET ABOVE MEAN SEA LEVEL.
 2. *GROUNDWATER ELEVATION HAS BEEN ADJUSTED FOR LNAPL THICKNESS.
 3. **WELLS DPE-14 AND DPE-19 NOT USED IN CONTOURING.

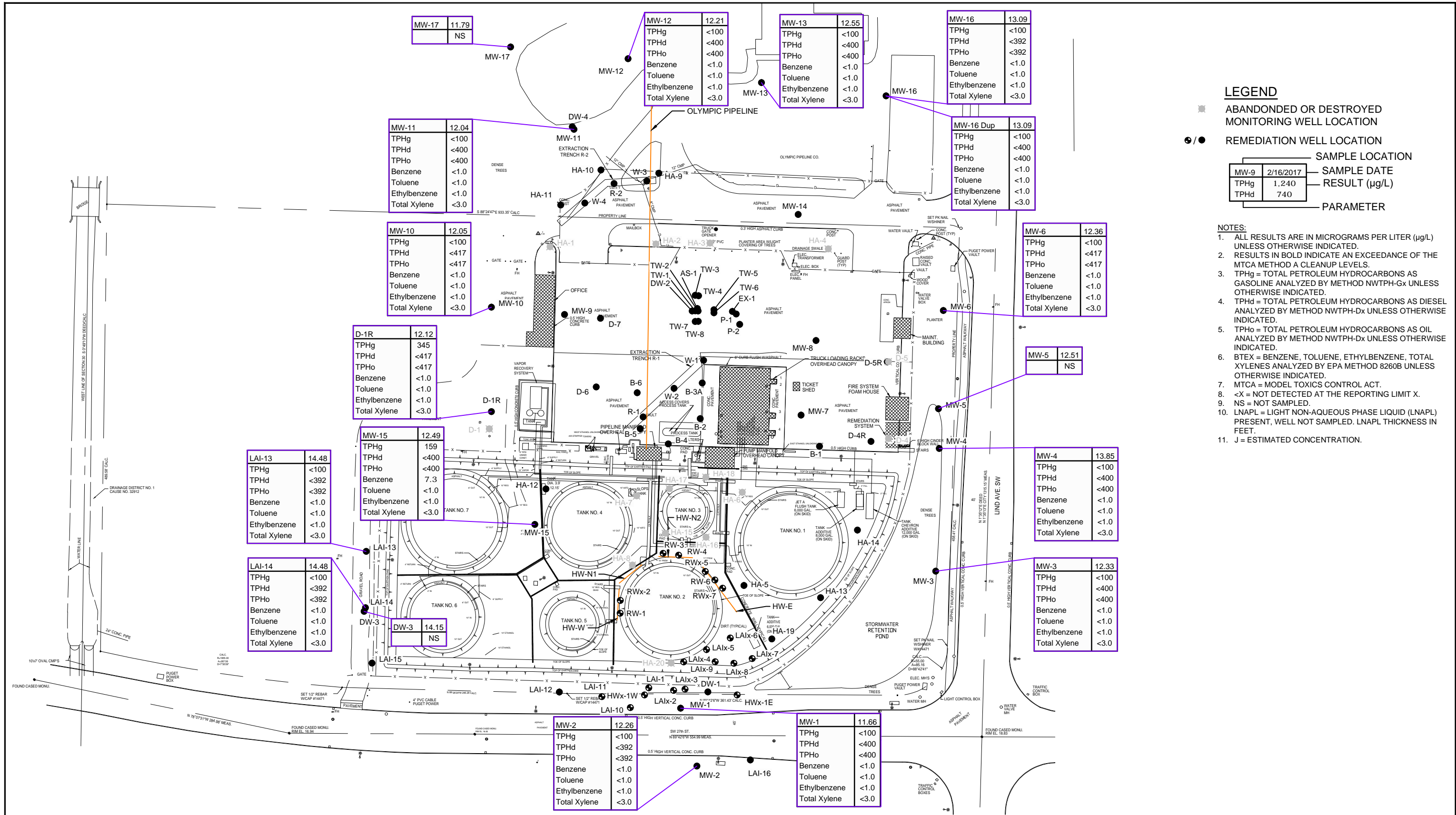
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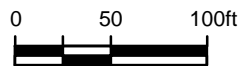
PHILLIPS 66 RENTON TERMINAL
 2423 LIND AVENUE SOUTHWEST
 RENTON, WASHINGTON
 GROUNDWATER ELEVATION MAP
 SEPTEMBER 23-25, 2019

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 Dec 4, 2019

FIGURE 5



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



PHILLIPS 66 RENTON TERMINAL
 2423 LIND AVENUE SOUTHWEST
 RENTON, WASHINGTON
**GROUNDWATER ANALYTICAL DATA -
 THIRD QUARTER 2019**

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Dec 4, 2019

FIGURE 6

Tables

Table 1

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

Date (mm/dd/yy)	Influent							Influent-2 (Post-air stripper)							Midfluent 1							Midfluent 2							Effluent								
	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 ¹	FOG Conc. (µg/L)							
05/08/15	393,000	46,900	11,400 b	13,000	23,400	3,200	19,700																														
05/27/15	153,000	80,800	6,600	10,200	23,900	6,220	39,900																														
06/16/15	660,000	304,000	12,000	22,100	39,200	4,180	24,600																														
09/03/15	145,000	59,700	3,900	8,150	11,500	1,740	13,200																														
09/16/15	107,000	77,600	4,600	8,440	14,300	1,970	14,100																														
11/13/15	57,700	8,300	<420	3,040	5,140	659	7,670																														
01/15/16	61,800	5,200	1,100	1,230	5,340	1,270	9,350																														
01/21/16	80,800	1,300	<420	1,540	10,900	1,350	9,860																														
02/08/16	8,500	1,100 b	<410	762	801 f	25.6	1,390 g																														
03/04/16	69,200	1,500	<380	7,730	10,700	236	9,260																														
04/11/16	16,300	1,300	<370	1,400	790	<20	2,670																														
04/19/16	NM	NM	NM	NM	NM	NM	NM																														
05/10/16	13,400	1,200	<390	998	352	<5.0	2,730																														
07/14/16	NM	NM	NM	NM	NM	NM	NM																														
09/14/16	NM	NM	NM	NM	NM	NM	NM																														
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	7,310	10,600	1,400	342	583	47.5	637	7,310	10,600	1,400	342	583	47.5	637	7,310	10,600	1,400	342	583	47.5	637		
11/02/16	123,000	19,500	730	4,660	<100	<100	<300	17,400	6,300	<380	340	832	82.6	683	7,400	6,300	<380	340	832	82.6	683	7,400	6,300	<380	340	832	82.6	683	7,400	6,300	<380	340	832	82.6	683		
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	6,470	4,500	<400	304	541	5.2	1,040	6,470	4,500	<400	304	541	5.2	1,040	6,470	4,500	<400	304	541	5.2	1,040		
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	2,910	<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	<400	<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	<550	<550	217	250	19.0	222	<100	<400	<400	4.5	4.6	<1.0	<3.0	<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	<400	<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	<3.0	<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	<1.0	<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

Table 2

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

Date (mm/dd/yy)	SV-3102 hrs	Total Uptime *	Water Extraction				LNAPL	TPHg			Benzene		
			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
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

Table 2

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

Date (mm/dd/yy)	SV-3102 hrs	Total Uptime *	Water Extraction				LNAPL	TPHg			Benzene		
			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)
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
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

Table 2

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

Date (mm/dd/yy)	SV-3102 hrs	Total Uptime *	Water Extraction				LNAPL Cumulative recovery (gallons)	TPHg			Benzene		
			Totalizer Reading (gallons)	Cumulative Flow (gallons)	Average Flow Rate (gpd)	Average Flow Rate (gpm)		Influent Conc. (µg/L)	Removal Rate (ppd)	Cumulative Recovery (pounds)	Influent Conc. (µg/L)	Removal Rate (ppd)	Cumulative Recovery (pounds)
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	0.08	154.4
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	0.05	156.1
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	0.03	157.2
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	158.0
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	0.01	158.9
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	0.03	159.4
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	159.9
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	0.01	160.3
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	0.05	160.9
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	161.8
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	0.04	2,219	23,600	0.01	162.0
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	--	--
Regulatory Limits:					<72,000	50		Total recovery (pounds):		2,219	Total recovery (pounds):		162.0

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

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

Date (mm/dd/yy)	Oxidizer Hour Meter Reading	Total Uptime	Soil Vapor Extraction										TPHg				Benzene		
			SVE Influent Vacuum (in. Hg)	SVE Influent Vacuum (in. WC)	Knock Out Vacuum (in. Hg)	Influent-2 Differential Pressure (in. WC)	Influent-2 Flow (scfm)	Influent-2 Temperature (°F)	Influent-2 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	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	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	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	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

Table 4

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

Date (mm/dd/yy)	Oxidizer Hour Meter Reading	Total Uptime	Soil Vapor Extraction										TPHg				Benzene		
			SVE Influent	SVE Influent	Knock Out	Influent-2	Influent-2	Influent-2	Influent-2	TPHg Influent	Oxidizer	Stack	Removal	Cumulative	Emission	Destruction	Removal	Cumulative	Emission
			Vacuum (in. Hg)	Vacuum (in. WC)	Vacuum (in. Hg)	Differential Pressure (in. WC)	Flow (scfm)	Temperature (°F)	Concentration (Field) (ppmv)	Concentration (Lab) (ppmv)	Temperature (°F)	Temperature (°F)	rate (ppd)	Recovery (pounds)	rate (ppd)	efficiency (%)	rate (ppd)	Recovery (pounds)	rate (ppd)
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
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

Table 4

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

Date (mm/dd/yy)	Oxidizer Hour Meter Reading	Total Uptime	Soil Vapor Extraction										TPHg				Benzene		
			SVE Influent	SVE Influent	Knock Out	Influent-2	Influent-2	Influent-2	Influent-2	TPHg Influent	Oxidizer	Stack	Removal	Cumulative	Emission	Destruction	Removal	Cumulative	Emission
			Vacuum (in. Hg)	Vacuum (in. WC)	Vacuum (in. Hg)	Differential Pressure (in. WC)	Flow (scfm)	Temperature (°F)	Concentration (Field) (ppmv)	Concentration (Lab) (ppmv)	Temperature (°F)	Temperature (°F)	rate (ppd)	Recovery (pounds)	rate (ppd)	efficiency (%)	rate (ppd)	Recovery (pounds)	rate (ppd)
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
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

Table 4

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

Date (mm/dd/yy)	Oxidizer Hour Meter Reading	Total Uptime	Soil Vapor Extraction										TPHg				Benzene		
			SVE Influent	SVE Influent	Knock Out	Influent-2	Influent-2	Influent-2	Influent-2	TPHg Influent	Oxidizer	Stack	Removal	Cumulative	Emission	Destruction	Removal	Cumulative	Emission
			Vacuum (in. Hg)	Vacuum (in. WC)	Vacuum (in. Hg)	Differential Pressure (in. WC)	Flow (scfm)	Temperature (°F)	Concentration (Field) (ppmv)	Concentration (Lab) (ppmv)	Temperature (°F)	Temperature (°F)	rate (ppd)	Recovery (pounds)	rate (ppd)	efficiency (%)	rate (ppd)	Recovery (pounds)	rate (ppd)
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
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

Table 4

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

Date (mm/dd/yy)	Oxidizer Hour Meter Reading	Total Uptime	Soil Vapor Extraction										TPHg				Benzene		
			SVE Influent Vacuum (in. Hg)	SVE Influent Vacuum (in. WC)	Knock Out Vacuum (in. Hg)	Influent-2 Differential Pressure (in. WC)	Influent-2 Flow (scfm)	Influent-2 Temperature (°F)	Influent-2 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)
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	67,693	0.20	98%	0.11896	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	-	-	-	-	-	-	-
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

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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	---
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	---

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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	---
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	---

Table 5

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

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
W-2	5/24/2001	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	---
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	---

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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
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	---

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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	---
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	---

Table 5

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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	---
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	---

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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-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	---
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

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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	---
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	---

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	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	---
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-4	11/4/1994	17.82	---	---	---	6.44	11.38	---
D-4	2/22/1995	17.82	---	---	---	3.95	13.87	---
D-4	6/16/1995	17.82	---	---	---	6.37	11.45	---
D-4	10/20/1995	17.82	---	---	---	6.10	11.72	---
D-4	4/4/1996	17.82	---	---	---	5.17	12.65	---
D-4	4/16/1996	17.82	---	---	---	5.40	12.42	---
D-4	4/30/1998	17.82	---	---	---	5.68	12.14	---
D-4	6/5/2002	17.82	---	---	Dry	---	---	---
D-4	5/27/2003	17.82	---	---	Dry	---	---	---
D-4	6/15/2004	17.82	---	---	Dry	---	---	---
D-4	6/21/2005	17.82	---	---	---	5.90	11.92	---
D-4	6/5/2006	17.82	---	---	---	4.77	13.05	---
D-4	10/23/2006	17.82	---	---	---	5.82	DRY	---
D-4	3/14/2007	21.09	---	---	---	5.30	15.79	---
D-4	9/10/2007	21.09	---	---	---	5.57	15.52	---
D-4	11/28/2007	21.09	---	---	---	4.10	16.99	16.99
D-4	12/13/2007	21.09	---	---	---	5.00	16.09	16.09
D-4	1/21/2008	21.09	---	---	---	6.00	15.09	15.09
D-4	2/24/2008	21.09	---	---	---	4.15	16.94	16.94
D-4	3/24/2008	21.09	---	---	---	3.47	17.62	17.62
D-4	6/2/2008	21.09	---	---	Dry	---	---	---
D-4	8/25/2008	21.09	---	---	---	2.89	18.20	18.20
D-4	2/18/2009	21.09	---	---	Not Monitored	---	---	NM
D-4	8/25/2009	21.09	---	---	Not Monitored	---	---	NM
D-4	3/22/2010	21.09	---	---	---	5.41	15.68	15.68
D-4	8/23/2010	21.09	---	---	---	5.75	15.34	15.34
D-4	2/7/2011	21.09	---	---	---	2.93	18.16	---
D-4	5/27/2011	21.09	---	---	---	4.87	16.22	---
D-4	8/8/2011	21.09	---	---	Dry	---	---	---
D-4	10/13/2011	---	---	---	Decommissioned Well and Replaced With D-4R	---	---	---
D-4R	11/14/2011	21.27	---	---	---	9.06	12.21	---
D-4R	2/20/2012	21.27	---	---	---	7.85	13.42	---
D-4R	8/22/2012	21.27	---	---	---	10.22	11.05	---
D-4R	11/5/2012	21.27	---	---	---	8.37	12.90	---
D-4R	1/28/2013	21.27	---	---	---	8.11	13.16	---
D-4R	5/9/2013	21.27	---	---	---	8.71	12.56	---
D-4R	8/19/2013	21.27	---	---	---	10.97	10.30	---
D-4R	11/25/2013	21.27	---	---	---	8.38	12.89	---
D-4R	2/14/2014	21.27	---	---	---	7.71	13.56	---
D-4R	5/5/2014	21.27	---	---	---	7.11	14.16	---
D-4R	8/19/2014	21.27	---	---	---	9.56	11.71	---
D-4R	11/21/2014	21.27	---	---	---	7.90	13.37	---
D-4R	11/14/2016	21.27	---	---	---	6.69	14.58	---
D-4R	11/16/2016	---	---	---	---	---	---	---
D-4R	2/16/2017	21.27	---	---	---	5.23	16.04	---
D-4R	5/24/2017	21.27	---	---	---	7.10	14.17	---
D-4R	9/26/2017	21.27	---	---	---	10.23	11.04	---
D-4R	9/27/2017	---	---	---	---	---	---	---
D-4R	12/13/2017	21.27	---	---	---	6.36	14.91	---
D-4R	2/26/2018	21.27	---	---	---	6.99	14.28	---

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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				Decommissioned Well and Replaced With D-5R			
D-5R	11/14/2011	21.45	---	---	---	9.39	12.06	---
D-5R	2/20/2012	21.45	---	---	---	8.33	13.12	---
D-5R	8/22/2012	21.45	---	---	---	10.44	11.01	---
D-5R	11/5/2012	21.45	---	---	---	8.79	12.66	---
D-5R	1/28/2013	21.45	---	---	---	8.83	12.62	---
D-5R	5/9/2013	21.45	---	---	---	9.16	12.29	---
D-5R	8/19/2013	21.45	---	---	---	11.11	10.34	---
D-5R	11/25/2013	21.45	---	---	---	8.80	12.65	---
D-5R	2/14/2014	21.45	---	---	---	8.21	13.24	---
D-5R	5/5/2014	21.45	---	---	---	7.65	13.80	---
D-5R	8/19/2014	21.45	---	---	---	9.72	11.73	---
D-5R	11/21/2014	21.45	---	---	---	8.32	13.13	---
D-5R	11/14/2016	21.45	---	---	---	8.15	13.30	---
D-5R	11/17/2016	21.45	---	---	---	---	---	---
D-5R	11/17/2016	21.45	---	---	---	---	---	---
D-5R	2/16/2017	21.45	---	---	---	7.30	14.15	---
D-5R	5/24/2017	21.45	---	---	---	8.34	13.11	---
D-5R	9/26/2017	21.45	---	---	---	10.24	11.21	---
D-5R	9/27/2017	21.45	---	---	---	---	---	---
D-5R	12/13/2017	21.45	---	---	---	8.10	13.35	---
D-5R	2/26/2018	21.45	---	---	---	8.21	13.24	---
D-5R	6/11/2018	21.45	---	---	---	9.32	12.13	---
D-5R	6/27/2018	21.45	---	---	---	9.91	11.54	---
D-5R	8/29/2018	21.45	---	---	---	10.98	10.47	---
D-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	---

Table 5

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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	---
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	---

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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	---
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	---

Table 5

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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	---
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	---	---

Table 5

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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-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-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-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-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	---
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-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-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-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-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	---	---

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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-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-39	11/15/2016	---	6.46	---	3.89	10.35	---	---
DPE-39	2/16/2017	---	6	---	5.99	11.99	---	---
DPE-39	5/16/2017	---	6.45	---	5.6	12.05	---	---
DPE-39	5/24/2017	23.98	6.74	17.24	7.36	14.10	15.77	---
DPE-39	7/11/2017	---	7.75	---	6.57	14.32	---	---
DPE-39	9/26/2017	20.96	9.82	11.14	2.22	12.04	10.70	---
DPE-39	12/11/2017	20.96	4.85	16.11	8.59	13.44	14.39	---
DPE-39	2/26/2018	20.96	7.06	13.9	5.81	12.87	12.74	---
DPE-39	6/11/2018	20.96	8.66	12.3	3.53	12.19	11.59	---
DPE-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-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-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-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-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-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	---	---

Table 5

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
DPE-46	6/11/2018	---	---	---	---	9.36	---	---
DPE-47	11/15/2016	---	---	---	---	4.75	---	---
DPE-47	2/16/2017	---	---	---	---	3.57	---	---
DPE-47	5/24/2017	7.14	---	---	---	4.68	2.46	---
DPE-47	7/11/2017	---	---	---	---	6.06	---	---
DPE-47	9/26/2017	21.06	---	---	---	7.93	13.13	---
DPE-47	12/11/2017	21.06	---	---	---	3.47	17.59	---
DPE-47	2/26/2018	21.06	---	---	---	4.68	16.38	---
DPE-47	6/11/2018	21.06	---	---	---	6.31	14.75	---
DPE-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-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	---	---
DPE-49	9/23/2019	---	8.68	---	1.52	10.20	---	---
DPE-50	7/8/2016	---	10.38	---	0.92	11.30	---	---
DPE-50	7/11/2017	---	---	---	---	9.87	---	---
DPE-50	12/11/2017	---	7.31	---	0.02	7.33	---	---
DPE-50	6/11/2018	---	---	---	---	10.26	---	---
DPE-51	7/8/2016	---	10.4	---	0.18	10.58	---	---
DPE-51	7/11/2017	---	9.46	---	0.24	9.70	---	---
DPE-51	6/11/2018	---	10.76	---	0.04	10.80	---	---
DPE-52	7/8/2016	---	9.65	---	2.8	12.45	---	---
DPE-52	5/15/2017	---	7.96	---	3.62	11.58	---	---
DPE-52	7/11/2017	---	9.13	---	0.07	9.20	---	---
DPE-52	12/11/2017	---	6.98	---	0.02	7.00	---	---
DPE-52	6/11/2018	---	10.19	---	0.14	10.33	---	---
DPE-53	11/15/2016	---	---	---	---	7.19	---	---
DPE-53	2/16/2017	---	---	---	---	6.76	---	---
DPE-53	5/24/2017	13.52	---	---	---	7.97	5.55	---
DPE-53	7/11/2017	---	---	---	---	8.37	---	---
DPE-53	9/26/2017	21.15	---	---	---	10.14	11.01	---
DPE-53	12/11/2017	21.15	---	---	---	6.07	15.08	---
DPE-53	2/26/2018	21.15	---	---	---	7.75	13.40	---
DPE-53	6/11/2018	21.15	---	---	---	8.95	12.20	---
DPE-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-55	11/15/2016	---	---	---	---	6.13	---	---
DPE-55	2/16/2017	---	---	---	---	4.67	---	---
DPE-55	5/24/2017	9.34	---	---	---	7.78	1.56	---
DPE-55	7/11/2017	---	---	---	---	9.75	---	---
DPE-55	9/26/2017	21.62	---	---	---	10.91	10.71	---
DPE-55	12/11/2017	21.62	---	---	---	6.73	14.89	---
DPE-55	2/26/2018	21.62	---	---	---	7.13	14.49	---
DPE-55	6/11/2018	21.62	---	---	---	9.18	12.44	---
DPE-56	7/11/2016	---	9.81	---	3.19	13.00	---	---
DPE-56	5/15/2017	---	7.98	---	5.19	13.17	---	---
DPE-56	7/11/2017	---	9.44	---	0.59	10.03	---	---
DPE-56	12/11/2017	---	7.37	---	0.39	7.76	---	---
DPE-56	6/11/2018	---	10.15	---	0.17	10.32	---	---
DPE-57	11/15/2016	---	6.94	---	2.78	9.72	---	---
DPE-57	2/16/2017	---	6.65	---	3.17	9.82	---	---
DPE-57	5/15/2017	---	7.6	---	3.2	10.80	---	---
DPE-57	5/24/2017	19.64	8.3	11.34	1.38	9.68	11.06	---
DPE-57	7/11/2017	---	---	---	---	8.87	---	---
DPE-57	9/26/2017	21.46	10.01	11.45	0.35	10.36	11.38	---
DPE-57	12/11/2017	21.46	6.48	14.98	0.25	6.73	14.93	---
DPE-57	2/26/2018	21.46	8.19	13.27	0.47	8.66	13.18	---
DPE-57	6/11/2018	21.46	9.40	12.06	0.31	9.71	12.00	---
HA-1	1/27/1993	19.50	---	---	---	5.94	13.56	---
HA-1	3/12/1993	19.50	---	---	---	8.54	10.96	---
HA-1	4/14/1993	19.50	---	---	---	6.47	13.03	---
HA-1	12/15/1993	19.50	---	---	---	5.54	13.96	---
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	---

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	5/23/2001	19.50	---	---	---	6.30	13.20	---
HA-1	6/4/2002	19.50	---	---	---	6.40	13.10	---
HA-1	5/28/2003	19.50	---	---	---	6.45	13.05	---
HA-1	6/15/2004	19.50	---	---	---	5.80	13.70	---
HA-1	6/22/2005	19.50	---	---	---	5.77	13.73	---
HA-1	6/5/2006	19.50	---	---	---	5.00	14.50	---
HA-1	10/23/2006	19.50	---	---	---	5.97	13.53	---
HA-1	3/14/2007	20.76	---	---	---	3.42	17.34	---
HA-1	9/10/2007	20.76	---	---	---	4.46	16.30	---
HA-1	11/28/2007	20.76	---	---	---	7.32	13.44	13.44
HA-1	12/13/2007	20.76	---	---	---	3.83	16.93	16.93
HA-1	1/21/2008	20.76	---	---	---	3.87	16.89	16.89
HA-1	2/24/2008	20.76	---	---	---	4.46	16.30	16.30
HA-1	3/24/2008	20.76	---	---	---	3.06	17.70	17.70
HA-1	6/2/2008	20.76	---	---	---	4.83	15.93	---
HA-1	8/25/2008	20.76	---	---	---	3.33	17.43	17.43
HA-1	2/18/2009	20.76	---	---	Not Monitored			NM
HA-1	8/25/2009	20.76	---	---	Not Monitored			NM
HA-1	3/22/2010	20.76	---	---	---	3.94	16.82	16.82
HA-1	8/23/2010	20.76	---	---	---	6.68	14.08	14.08
HA-1	2/7/2011	20.76	---	---	---	3.88	16.88	---
HA-1	5/27/2011	20.76	---	---	---	3.76	17.00	---
HA-1	8/8/2011	20.76	---	---	---	6.10	14.66	---
HA-1	11/14/2011	20.76	---	---	---	4.01	16.75	---
HA-1	2/20/2012	20.76	---	---	---	3.01	17.75	---
HA-1	8/22/2012	20.76	---	---	---	7.42	13.34	---
HA-1	11/5/2012	20.76	---	---	---	2.98	17.78	---
HA-1	1/28/2013	20.76	---	---	---	3.17	17.59	---
HA-1	5/9/2013	20.76	---	---	---	4.37	16.39	---
HA-1	8/19/2013	20.76	---	---	---	7.83	12.93	---
HA-1	11/25/2013	20.76	---	---	---	3.61	17.15	---
HA-1	2/14/2014	20.76	---	---	---	2.12	18.64	---
HA-1	5/5/2014	20.76	---	---	---	3.24	17.52	---
HA-1	8/19/2014				Decommissioned Well			
HA-2	1/27/1993	18.17	---	---	---	5.80	12.37	---
HA-2	4/14/1993	18.17	---	---	---	7.12	11.05	---
HA-2	12/15/1993	18.17	---	---	---	7.84	10.33	---
HA-2	11/4/1994	18.17	---	---	---	8.45	9.72	---
HA-2	2/22/1995	18.17	---	---	---	6.39	11.78	---
HA-2	6/16/1995	18.17	---	---	---	7.03	11.14	---
HA-2	10/20/1995	18.17	---	---	---	7.29	10.88	---
HA-2	4/4/1996	18.17	---	---	---	5.43	12.74	---
HA-2	4/16/1996	18.17	---	---	---	5.17	13.00	---
HA-2	4/2/1997	18.17	---	---	---	6.80	11.37	---
HA-2	5/1/1997	18.17	---	---	---	6.98	11.19	---
HA-2	9/18/1997	18.17	---	---	---	7.34	10.83	---
HA-2	4/30/1998	18.17	---	---	---	6.74	11.43	---
HA-2	7/30/1999	18.17	---	---	---	7.03	11.14	---
HA-2	5/23/2000	18.17	---	---	---	6.94	11.23	---
HA-2	5/23/2001	18.17	---	---	---	7.50	10.67	---
HA-2	6/4/2002	18.17	---	---	---	6.45	11.72	---
HA-2	5/27/2003	18.17	---	---	sheen	7.40	10.77	---
HA-2	6/16/2004	18.17	---	---	---	7.84	10.33	---
HA-2	6/21/2005	18.17	---	---	---	6.41	11.76	---
HA-2	6/5/2006	18.17	---	---	---	6.22	11.95	---
HA-2	10/23/2006	18.17	---	---	---	7.84	10.33	---
HA-2	3/14/2007	21.09	---	---	---	5.69	15.40	---
HA-2	9/10/2007	21.09	---	---	---	7.89	13.20	---
HA-2	11/28/2007	21.09	---	---	---	7.53	13.56	13.56
HA-2	12/13/2007	21.09	6.95	14.14	0.36	7.31	14.05	14.32
HA-2	1/21/2008	21.09	---	---	---	6.35	14.74	14.74
HA-2	2/24/2008	21.09	---	---	---	6.31	14.78	14.78
HA-2	3/24/2008	21.09	---	---	---	6.65	14.44	14.44
HA-2	6/2/2008	21.09	---	---	---	7.12	13.97	---
HA-2	8/25/2008	21.09	---	---	---	7.77	13.32	13.32
HA-2	2/18/2009	21.09	---	---	Not Monitored			NM
HA-2	8/25/2009	21.09	---	---	Not Monitored			NM
HA-2	3/22/2010	21.09	---	---	---	5.93	15.16	15.16
HA-2	8/23/2010	21.09	---	---	---	6.61	14.48	14.48
HA-2	2/7/2011	21.09	---	---	---	6.20	14.89	---
HA-2	5/27/2011	21.09	---	---	---	6.35	14.74	---
HA-2	8/8/2011	21.09	---	---	---	7.22	13.87	---
HA-2	11/14/2011	21.09	---	---	---	7.70	13.39	---
HA-2	2/20/2012	21.09	---	---	---	6.10	14.99	---
HA-2	8/22/2012	21.09	---	---	---	7.29	13.80	---
HA-2	11/5/2012	21.09	---	---	---	7.37	13.72	---
HA-2	1/28/2013	21.09	---	---	---	5.42	15.67	---
HA-2	5/9/2013	21.09	---	---	---	6.54	14.55	---
HA-2	8/19/2013	21.09	---	---	---	7.66	13.43	---
HA-2	11/25/2013	21.09	---	---	---	4.56	16.53	---
HA-2	2/14/2014	21.09	---	---	---	6.25	14.84	---
HA-2	5/5/2014	21.09	---	---	---	5.04	16.05	---
HA-2	8/19/2014				Decommissioned Well			
HA-3	1/27/1993	21.03	---	---	---	8.65	12.38	---
HA-3	3/12/1993	21.03	---	---	---	9.01	12.02	---
HA-3	4/14/1993	21.03	---	---	---	8.61	12.42	---
HA-3	12/15/1993	21.03	---	---	---	9.22	11.81	---
HA-3	11/4/1994	21.03	---	---	---	10.26	10.77	---
HA-3	2/22/1995	21.03	---	---	---	8.35	12.68	---
HA-3	6/16/1995	21.03	---	---	---	9.31	11.72	---
HA-3	10/20/1995	21.03	---	---	---	9.46	11.57	---
HA-3	4/4/1996	21.03	---	---	---	7.95	13.08	---
HA-3	4/16/1996	21.03	---	---	---	8.10	12.93	---
HA-3	4/2/1997	21.03	---	---	---	6.70	14.33	---
HA-3	5/1/1997	21.03	---	---	---	8.44	12.59	---

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
HA-3	9/18/1997	21.03	---	---	---	9.34	11.69	---
HA-3	4/30/1998	21.03	---	---	---	9.20	11.83	---
HA-3	5/23/2000	21.03	---	---	---	9.25	11.78	---
HA-3	5/23/2001	21.03	---	---	---	9.18	11.85	---
HA-3	6/4/2002	21.03	---	---	---	9.07	11.96	---
HA-3	5/27/2003	21.03	---	---	---	9.30	11.73	---
HA-3	6/22/2005	21.03	---	---	---	8.94	12.09	---
HA-3	6/5/2006	21.03	---	---	---	8.91	12.12	---
HA-3	10/23/2006	21.03	---	---	---	9.66	11.37	---
HA-3	3/14/2007	21.09	---	---	---	5.42	15.67	---
HA-3	9/10/2007	21.09	---	---	---	6.70	14.39	---
HA-3	11/28/2007	21.09	---	---	---	6.91	14.18	14.18
HA-3	12/13/2007	21.09	5.90	15.19	0.90	6.80	14.97	15.64
HA-3	1/21/2008	21.09	---	---	---	5.96	15.13	15.13
HA-3	2/24/2008	21.09	---	---	---	5.77	15.32	15.32
HA-3	3/24/2008	21.09	---	---	---	6.07	15.02	15.02
HA-3	6/2/2008	21.09	---	---	---	6.36	14.73	---
HA-3	8/25/2008	21.09	---	---	---	6.30	14.79	14.79
HA-3	2/18/2009	21.09	---	---	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	---	---	Decommissioned Well	---	---	---	---
HA-4	1/27/1993	20.24	---	---	---	7.68	12.56	---
HA-4	3/12/1993	20.24	---	---	---	8.56	11.68	---
HA-4	4/14/1993	20.24	---	---	---	8.02	12.22	---
HA-4	12/15/1993	20.24	---	---	---	8.41	11.83	---
HA-4	11/4/1994	20.24	---	---	---	10.14	10.10	---
HA-4	2/22/1995	20.24	---	---	---	7.09	13.15	---
HA-4	6/16/1995	20.24	---	---	---	8.78	11.46	---
HA-4	10/20/1995	20.24	---	---	---	8.54	11.70	---
HA-4	4/4/1996	20.24	---	---	---	7.68	12.56	---
HA-4	4/16/1996	20.24	---	---	---	7.11	13.13	---
HA-4	4/2/1997	20.24	---	---	---	8.00	12.24	---
HA-4	5/1/1997	20.24	---	---	---	5.49	14.75	---
HA-4	9/18/1997	20.24	---	---	---	7.70	12.54	---
HA-4	4/30/1998	20.24	---	---	---	8.67	11.57	---
HA-4	5/23/2000	20.24	---	---	---	7.35	12.89	---
HA-4	5/23/2001	20.24	---	---	---	8.95	11.29	---
HA-4	6/4/2002	20.24	---	---	---	6.45	13.79	---
HA-4	5/27/2003	20.24	---	---	---	8.64	11.60	---
HA-4	6/16/2004	20.24	---	---	---	8.67	11.57	---
HA-4	6/22/2005	20.24	---	---	---	8.58	11.66	---
HA-4	6/5/2006	20.24	---	---	---	8.04	12.20	---
HA-4	10/23/2006	20.24	---	---	---	9.00	11.24	---
HA-4	3/14/2007	21.05	---	---	---	5.06	15.99	---
HA-4	9/10/2007	21.05	---	---	---	6.77	14.28	---
HA-4	11/28/2007	21.05	---	---	---	5.42	15.63	15.63
HA-4	12/13/2007	21.05	---	---	---	6.20	14.85	14.85
HA-4	1/21/2008	21.05	---	---	---	5.08	15.97	15.97
HA-4	2/24/2008	21.05	---	---	---	5.78	15.27	15.27
HA-4	3/24/2008	21.05	---	---	---	5.15	15.90	15.90
HA-4	6/2/2008	21.05	---	---	---	6.37	14.68	---
HA-4	8/25/2008	21.05	---	---	---	4.15	16.90	16.90
HA-4	2/18/2009	21.05	---	---	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	---	---	Decommissioned Well	---	---	---	---
HA-5	1/27/1993	18.07	---	---	---	4.50	13.57	---
HA-5	3/12/1993	18.07	---	---	---	6.22	11.85	---
HA-5	4/14/1993	18.07	---	---	---	5.13	12.94	---
HA-5	12/15/1993	18.07	---	---	---	6.39	11.68	---
HA-5	11/4/1994	18.07	---	---	---	7.86	10.21	---
HA-5	2/22/1995	18.07	---	---	---	3.67	14.40	---
HA-5	6/16/1995	18.07	---	---	---	6.70	11.37	---
HA-5	10/20/1995	18.07	---	---	---	6.41	11.66	---
HA-5	4/4/1996	18.07	---	---	---	4.88	13.19	---
HA-5	4/16/1996	18.07	---	---	---	4.91	13.16	---

Table 5

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
HA-5	5/1/1997	18.07	---	---	---	5.04	13.03	---
HA-5	9/18/1997	18.07	---	---	---	5.90	12.17	---
HA-5	5/1/1998	18.07	---	---	---	5.98	12.09	---
HA-5	7/29/1999	18.07	---	---	---	6.53	11.54	---
HA-5	5/23/2000	18.07	---	---	---	6.22	11.85	---
HA-5	5/22/2001	18.07	---	---	---	6.09	11.98	---
HA-5	6/5/2002	18.07	---	---	---	6.08	11.99	---
HA-5	11/24/2002	21.13	---	---	---	6.80	14.33	14.33
HA-5	1/17/2003	21.13	4.37	16.76	0.00	4.37	16.76	16.76
HA-5	1/20/2003	21.13	---	---	---	4.58	16.55	16.55
HA-5	1/31/2003	21.13	---	---	---	4.49	16.64	16.64
HA-5	2/7/2003	21.13	---	---	---	4.46	16.67	16.67
HA-5	2/12/2003	21.13	---	---	---	4.93	16.20	16.20
HA-5	2/18/2003	21.13	---	---	---	5.30	15.83	15.83
HA-5	2/21/2003	21.13	---	---	---	5.14	15.99	15.99
HA-5	2/24/2003	21.13	---	---	---	5.23	15.90	15.90
HA-5	3/4/2003	21.13	---	---	---	5.55	15.58	15.58
HA-5	3/12/2003	21.13	---	---	---	5.24	15.89	15.89
HA-5	3/14/2003	21.13	5.25	15.88	0.01	5.26	15.88	15.89
HA-5	3/26/2003	21.13	---	---	---	4.41	16.72	16.72
HA-5	3/28/2003	21.13	---	---	---	4.98	16.15	16.15
HA-5	4/2/2003	21.13	---	---	---	5.00	16.13	16.13
HA-5	4/4/2003	21.13	---	---	---	5.44	15.69	15.69
HA-5	4/8/2003	21.13	---	---	---	5.49	15.64	15.64
HA-5	4/11/2003	21.13	---	---	---	5.53	15.60	15.60
HA-5	4/15/2003	21.13	---	---	---	5.06	16.07	16.07
HA-5	4/17/2003	21.13	---	---	---	5.70	15.43	15.43
HA-5	4/22/2003	21.13	---	---	---	5.54	15.59	15.59
HA-5	4/25/2003	21.13	---	---	---	5.92	15.21	15.21
HA-5	5/2/2003	21.13	---	---	---	5.98	15.15	15.15
HA-5	5/6/2003	21.13	---	---	---	6.02	15.11	15.11
HA-5	5/9/2003	21.13	---	---	---	6.34	14.79	14.79
HA-5	5/23/2003	21.13	---	---	---	6.95	14.18	14.18
HA-5	5/28/2003	21.13	---	---	---	6.85	14.28	14.28
HA-5	6/13/2003	21.13	---	---	---	7.22	13.91	13.91
HA-5	6/18/2003	21.13	---	---	---	7.16	13.97	13.97
HA-5	6/27/2003	21.13	---	---	---	7.14	13.99	13.99
HA-5	7/7/2003	21.13	---	---	---	7.47	13.66	13.66
HA-5	7/16/2003	21.13	---	---	---	7.57	13.56	13.56
HA-5	7/31/2003	21.13	7.82	13.31	0.01	7.83	13.31	13.32
HA-5	8/5/2003	21.13	---	---	---	7.90	13.23	13.23
HA-5	8/11/2003	21.13	---	---	---	9.01	12.12	12.12
HA-5	8/22/2003	21.13	9.24	11.89	0.01	9.25	11.89	11.90
HA-5	8/26/2003	21.13	---	---	---	8.19	12.94	12.94
HA-5	9/2/2003	21.13	---	---	---	8.48	12.65	12.65
HA-5	9/9/2003	21.13	---	---	---	8.93	12.20	12.20
HA-5	9/19/2003	21.13	8.80	12.33	0.01	8.81	12.33	12.34
HA-5	10/14/2003	21.13	---	---	Not Monitored	---	---	---
HA-5	11/20/2003	21.13	---	---	Not Monitored	---	---	---
HA-5	12/3/2003	21.13	---	---	---	4.44	16.69	16.69
HA-5	1/19/2004	21.13	---	---	---	3.99	17.14	17.14
HA-5	2/24/2004	21.13	---	---	---	5.26	15.87	15.87
HA-5	3/15/2004	21.13	---	---	---	6.11	15.02	15.02
HA-5	4/19/2004	21.13	---	---	---	6.62	14.51	14.51
HA-5	5/17/2004	21.13	---	---	---	7.15	13.98	13.98
HA-5	6/16/2004	21.13	---	---	---	7.01	14.12	---
HA-5	6/22/2004	21.13	---	---	---	6.98	14.15	14.15
HA-5	8/18/2004	21.13	8.10	13.03	0.01	8.11	13.03	13.04
HA-5	9/21/2004	21.13	---	---	---	6.97	14.16	14.16
HA-5	10/19/2004	21.13	---	---	---	6.28	14.85	14.85
HA-5	11/23/2004	21.13	---	---	---	6.52	14.61	14.61
HA-5	12/21/2004	21.13	---	---	---	4.56	16.57	16.57
HA-5	1/13/2005	21.13	---	---	---	5.84	15.29	15.29
HA-5	4/28/2005	21.13	---	---	---	4.88	16.25	16.25
HA-5	6/1/2005	21.13	---	---	---	5.17	15.96	15.96
HA-5	6/20/2005	21.13	---	---	---	5.82	15.31	---
HA-5	6/29/2005	21.13	---	---	---	6.59	14.54	14.54
HA-5	7/20/2005	21.13	---	---	---	7.00	14.13	14.13
HA-5	8/22/2005	21.13	---	---	---	7.20	13.93	13.93
HA-5	9/12/2005	21.13	---	---	---	7.82	13.31	13.31
HA-5	10/12/2005	21.13	---	---	---	8.35	12.78	12.78
HA-5	11/21/2005	21.13	6.02	15.11	0.01	6.03	15.11	15.12
HA-5	12/27/2005	21.13	---	---	Not Monitored	---	---	NM
HA-5	1/30/2006	21.13	---	---	---	6.10	15.03	15.03
HA-5	2/16/2006	21.13	---	---	---	3.97	17.16	17.16
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

Table 5

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

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

Table 5

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

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

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

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

Table 5

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
HA-8	4/19/2004	21.97	6.98	14.99	0.50	7.48	14.87	15.24
HA-8	5/17/2004	21.97	7.74	14.23	0.49	8.23	14.11	14.48
HA-8	6/15/2004	21.97	---	---	0.51	8.21	14.14	---
HA-8	6/22/2004	21.97	7.57	14.40	0.51	8.08	14.27	14.66
HA-8	8/18/2004	21.97	8.71	13.26	0.49	9.20	13.14	13.51
HA-8	9/21/2004	21.97	7.67	14.30	0.17	7.84	14.26	14.39
HA-8	10/19/2004	21.97	6.89	15.08	0.16	7.05	15.04	15.16
HA-8	11/23/2004	21.97	6.89	15.08	0.11	7.00	15.05	15.14
HA-8	12/21/2004	21.97	5.08	16.89	0.15	5.23	16.85	16.97
HA-8	1/13/2005	21.97	---	---	---	6.02	15.95	15.95
HA-8	4/28/2005	21.97	---	---	---	8.63	13.34	13.34
HA-8	6/1/2005	21.97	5.55	13.33	0.11	5.66	16.39	16.48
HA-8	6/20/2005	21.97	---	---	0.11	6.27	15.78	---
HA-8	6/29/2005	21.97	7.08	11.80	0.12	7.20	14.86	11.68
HA-8	7/20/2005	21.97	7.55	14.42	0.15	7.70	14.38	14.50
HA-8	8/22/2005	21.97	7.85	14.12	0.05	7.90	14.11	14.15
HA-8	9/12/2005	21.97	---	---	Dry	---	---	0.00
HA-8	10/12/2005	21.97	9.14	12.83	3.61	9.22	15.46	18.17
HA-8	11/21/2005	21.97	7.49	14.48	0.02	7.51	14.48	14.49
HA-8	12/27/2005	21.97	5.04	16.93	0.06	5.10	16.92	16.96
HA-8	1/30/2006	21.97	2.30	19.67	0.06	2.36	19.66	19.70
HA-8	2/16/2006	21.97	4.11	17.86	0.06	4.17	17.85	17.89
HA-8	3/13/2006	21.97	4.98	16.99	0.06	5.04	16.98	17.02
HA-8	4/18/2006	21.97	---	---	---	5.12	16.85	16.85
HA-8	5/12/2006	21.97	---	---	---	5.89	16.08	16.08
HA-8	6/5/2006	21.97	---	---	0.06	5.38	16.64	---
HA-8	6/9/2006	21.97	---	---	---	5.40	16.57	16.57
HA-8	7/13/2006	21.97	---	---	---	6.80	15.17	15.17
HA-8	8/16/2006	21.97	---	---	---	7.80	14.17	14.17
HA-8	9/19/2006	21.97	---	---	---	8.54	13.43	13.43
HA-8	10/13/2006	21.97	---	---	---	8.20	13.77	13.77
HA-8	10/23/2006	21.97	---	---	0.02	8.26	13.73	---
HA-8	11/20/2006	21.97	3.85	18.12	0.03	3.88	18.11	18.14
HA-8	12/8/2006	21.97	3.65	18.32	0.02	3.67	18.32	18.33
HA-8	1/19/2007	21.97	3.22	18.75	0.04	3.24	18.76	18.79
HA-8	2/19/2007	21.97	5.28	16.69	0.03	5.31	16.68	16.71
HA-8	3/15/2007	21.97	4.18	17.79	0.02	4.20	17.79	17.80
HA-8	4/16/2007	21.97	4.88	17.09	0.03	4.91	17.08	17.11
HA-8	5/14/2007	21.97	6.60	15.37	0.05	6.65	15.36	15.40
HA-8	6/29/2007	21.97	---	---	---	7.72	14.25	14.25
HA-8	7/20/2007	21.97	---	---	---	8.13	13.84	13.84
HA-8	8/21/2007	21.97	---	---	---	8.88	13.09	13.09
HA-8	9/10/2007	21.97	---	---	---	8.98	12.99	12.99
HA-8	10/22/2007	21.97	---	---	---	7.83	14.14	14.14
HA-8	11/28/2007	21.97	---	---	---	6.72	15.25	15.25
HA-8	12/13/2007	21.97	---	---	---	5.80	16.17	16.17
HA-8	1/21/2008	21.97	---	---	---	5.76	16.21	16.21
HA-8	2/24/2008	21.97	---	---	---	6.29	15.68	15.68
HA-8	3/24/2008	21.97	---	---	---	6.41	15.56	15.56
HA-8	6/2/2008	21.97	---	---	---	7.64	14.33	---
HA-8	8/25/2008	21.97	---	---	---	8.34	13.63	13.63
HA-8	2/18/2009	21.97	---	---	Not Monitored	---	---	NM
HA-8	8/25/2009	21.97	---	---	Not Monitored	---	---	NM
HA-8	3/22/2010	21.97	---	---	---	5.80	16.17	16.17
HA-8	8/23/2010	21.97	---	---	---	8.13	13.84	13.84
HA-8	2/7/2011	21.97	---	---	---	4.94	17.03	---
HA-8	5/27/2011	21.97	---	---	Not Monitored	---	---	---
HA-8	8/8/2011	21.97	---	---	---	8.00	13.97	---
HA-8	11/14/2011	21.97	---	---	---	7.72	14.25	---
HA-8	2/20/2012	21.97	---	---	---	5.13	16.84	---
HA-8	8/22/2012	21.97	---	---	---	7.73	14.24	---
HA-8	11/5/2012	21.97	---	---	---	6.80	15.17	---
HA-8	1/28/2013	21.97	---	---	---	4.90	17.07	---
HA-8	5/9/2013	21.97	---	---	---	6.08	15.89	---
HA-8	8/19/2013	21.97	---	---	---	8.50	13.47	---
HA-8	11/25/2013	21.97	---	---	---	6.29	15.68	---
HA-8	2/14/2014	21.97	---	---	---	5.35	16.62	---
HA-8	5/5/2014	21.97	---	---	---	4.43	17.54	---
HA-8	8/19/2014	---	---	---	Decommissioned Well	---	---	---
HA-9	1/27/1993	19.40	---	---	---	7.00	12.40	---
HA-9	3/12/1993	19.40	---	---	---	7.95	11.45	---
HA-9	4/14/1993	19.40	---	---	---	7.74	11.66	---
HA-9	12/15/1993	19.40	---	---	---	7.82	11.58	---
HA-9	11/4/1994	19.40	---	---	---	9.75	9.65	---
HA-9	2/22/1995	19.40	---	---	---	7.61	11.79	---
HA-9	6/16/1995	19.40	---	---	---	8.17	11.23	---
HA-9	10/20/1995	19.40	---	---	---	8.08	11.32	---
HA-9	4/4/1996	19.40	---	---	---	7.30	12.10	---
HA-9	4/16/1996	19.40	---	---	---	7.28	12.12	---
HA-9	4/2/1997	19.40	---	---	---	7.76	11.64	---
HA-9	5/1/1997	19.40	---	---	---	7.78	11.62	---
HA-9	9/18/1997	19.40	---	---	---	7.95	11.45	---
HA-9	4/29/1998	19.40	---	---	---	7.99	11.41	---
HA-9	7/28/1999	19.40	---	---	---	8.23	11.17	---
HA-9	5/24/2000	19.40	---	---	---	9.25	10.15	---
HA-9	5/23/2001	19.40	---	---	---	7.92	11.48	---
HA-9	6/4/2002	19.40	---	---	---	8.01	11.39	---
HA-9	11/24/2002	21.32	---	---	---	8.20	13.12	13.12
HA-9	5/28/2003	21.32	---	---	sheen	8.05	13.27	---
HA-9	6/17/2004	21.32	---	---	---	8.18	13.14	---
HA-9	6/20/2005	21.32	---	---	---	7.98	13.34	---
HA-9	6/5/2006	21.32	---	---	---	7.62	13.70	---
HA-9	10/23/2006	21.32	---	---	---	8.32	13.00	---
HA-9	3/14/2007	21.32	---	---	---	6.08	15.24	---
HA-9	6/29/2007	21.32	---	---	---	7.04	14.28	14.28
HA-9	7/20/2007	21.32	---	---	Not Monitored	---	---	NM

Table 5

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
HA-9	8/21/2007	21.32			Not Monitored			NM
HA-9	9/10/2007	21.32	---	---	---	7.13	14.19	---
HA-9	10/22/2007	21.32			Not Monitored			NM
HA-9	11/28/2007	21.32			Not Monitored			NM
HA-9	12/13/2007	21.32	---	---	---	6.66	14.66	14.66
HA-9	1/21/2008	21.32	---	---	---	6.35	14.97	14.97
HA-9	2/24/2008	21.32	---	---	---	6.67	14.65	14.65
HA-9	3/24/2008	21.32	---	---	---	6.62	14.70	14.70
HA-9	6/2/2008	21.32	---	---	---	6.90	14.42	---
HA-9	8/25/2008	21.32	---	---	---	7.08	14.24	14.24
HA-9	2/18/2009	21.32			Not Monitored			NM
HA-9	8/25/2009	21.32			Not Monitored			NM
HA-9	3/22/2010	21.32	---	---	---	6.14	15.18	15.18
HA-9	8/23/2010	21.32	---	---	---	7.17	14.15	14.15
HA-9	2/7/2011	21.32	---	---	---	6.03	15.29	---
HA-9	5/27/2011	21.32	---	---	---	7.01	14.31	---
HA-9	8/8/2011	21.32	---	---	---	7.16	14.16	---
HA-9	11/14/2011	21.32	---	---	---	6.96	14.36	---
HA-9	2/20/2012	21.32	---	---	---	6.15	15.17	---
HA-9	8/22/2012	21.32	---	---	---	7.15	14.17	---
HA-9	11/5/2012	21.32	---	---	---	6.50	14.82	---
HA-9	1/28/2013	21.32	---	---	---	4.77	16.55	---
HA-9	5/9/2013	21.32	---	---	---	6.67	14.65	---
HA-9	8/19/2013	21.32	---	---	---	7.24	14.08	---
HA-9	11/25/2013	21.32	---	---	---	6.59	14.73	---
HA-9	2/14/2014	21.32	DRY				21.32	---
HA-9	5/5/2014	21.32	---	---	---	5.34	15.98	---
HA-9	8/19/2014	21.32	---	---	---	7.09	14.23	---
HA-9	11/21/2014	21.32	---	---	---	6.26	15.06	---
HA-10	1/27/1993	19.40	---	---	---	6.88	12.52	---
HA-10	3/12/1993	19.40	---	---	---	8.94	10.46	---
HA-10	4/14/1993	19.40	---	---	---	8.73	10.67	---
HA-10	12/15/1993	19.40	---	---	---	8.05	11.35	---
HA-10	2/22/1995	19.40	---	---	---	8.14	11.26	---
HA-10	6/16/1995	19.40	---	---	---	9.18	10.22	---
HA-10	10/20/1995	19.40	---	---	---	7.83	11.57	---
HA-10	4/4/1996	19.40	---	---	---	7.67	11.73	---
HA-10	4/16/1996	19.40	---	---	---	7.29	12.11	---
HA-10	7/15/1996	19.40	---	---	---	9.40	10.00	---
HA-10	4/2/1997	19.40	---	---	---	8.74	10.66	---
HA-10	5/1/1997	19.40	---	---	---	8.26	11.14	---
HA-10	5/23/2001	19.40	---	---	---	8.86	10.54	---
HA-10	6/6/2002	19.40	---	---	---	9.80	9.60	---
HA-10	11/24/2002	21.15	---	---	---	8.49	12.66	12.66
HA-10	5/27/2003	21.15	---	---	---	9.31	11.84	---
HA-10	6/17/2004	21.15	---	---	---	9.17	11.98	---
HA-10	6/21/2005	21.15	---	---	---	8.58	12.57	---
HA-10	6/5/2006	21.15	---	---	---	7.84	13.31	---
HA-10	10/23/2006	21.15	---	---	---	9.09	12.06	---
HA-10	3/14/2007	21.15	---	---	---	6.21	14.94	---
HA-10	6/29/2007	21.15	---	---	---	7.79	13.36	13.36
HA-10	7/20/2007	21.15			Not Monitored			NM
HA-10	8/21/2007	21.15			Not Monitored			NM
HA-10	9/10/2007	21.15	---	---	---	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	---

Table 5

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
HA-11	6/4/2002	18.51	---	---	---	7.77	10.74	---
HA-11	11/24/2002	20.69	---	---	---	8.33	12.36	12.36
HA-11	5/27/2003	20.69	---	---	---	8.33	12.36	---
HA-11	6/21/2005	20.69	---	---	---	7.85	12.84	---
HA-11	6/5/2006	20.69	---	---	---	7.57	13.12	---
HA-11	10/23/2006	20.69	---	---	---	8.60	12.09	---
HA-11	3/14/2007	20.69	---	---	---	6.21	14.48	---
HA-11	6/29/2007	20.69	---	---	---	7.64	13.05	13.05
HA-11	7/20/2007	20.69	---	---	Not Monitored			NM
HA-11	8/21/2007	20.69	---	---	Not Monitored			NM
HA-11	9/10/2007	20.69	---	---	---	8.18	12.51	NM
HA-11	10/22/2007	20.69	---	---	Not Monitored			NM
HA-11	11/28/2007	20.69	---	---	---	7.41	13.28	13.28
HA-11	12/13/2007	20.69	---	---	---	3.94	16.75	16.75
HA-11	1/21/2008	20.69	---	---	---	6.69	14.00	14.00
HA-11	2/24/2008	20.69	---	---	---	6.83	13.86	13.86
HA-11	3/24/2008	20.69	---	---	---	7.06	13.63	13.63
HA-11	6/2/2008	20.69	---	---	---	7.58	13.11	---
HA-11	8/25/2008	20.69	---	---	---	8.09	12.60	12.60
HA-11	2/18/2009	20.69	---	---	Not Monitored			NM
HA-11	8/25/2009	20.69	---	---	Not Monitored			NM
HA-11	3/22/2010	20.69	---	---	---	6.55	14.14	14.14
HA-11	8/23/2010	20.69	---	---	---	7.22	13.47	13.47
HA-11	2/7/2011	20.69	---	---	---	6.99	13.70	---
HA-11	5/27/2011	20.69	---	---	---	7.24	13.45	---
HA-11	8/8/2011	20.69	---	---	Dry			---
HA-11	11/14/2011	20.69	---	---	---	8.72	11.97	---
HA-11	2/20/2012	20.69	---	---	---	6.75	13.94	---
HA-11	8/22/2012	20.69	---	---	---	7.80	12.89	---
HA-11	11/5/2012	20.69	---	---	---	7.03	13.66	---
HA-11	1/28/2013	20.69	---	---	---	6.38	14.31	---
HA-11	5/9/2013	20.69	---	---	---	7.62	13.07	---
HA-11	8/19/2013	20.69	---	---	---	8.06	12.63	---
HA-11	11/25/2013	20.69	---	---	---	7.05	13.64	---
HA-11	2/14/2014	20.69	---	---	---	6.45	14.24	---
HA-11	5/5/2014	20.69	---	---	---	6.17	14.52	---
HA-11	8/19/2014	20.69	---	---	---	7.83	12.86	---
HA-11	11/21/2014	20.69	---	---	DRY			---
HA-12	1/27/1993	19.91	---	---	---	4.01	15.90	---
HA-12	3/12/1993	19.91	---	---	---	7.36	12.55	---
HA-12	4/14/1993	19.91	---	---	---	5.92	13.99	---
HA-12	12/15/1993	19.91	---	---	---	7.02	12.89	---
HA-12	11/4/1994	19.91	---	---	---	9.06	10.85	---
HA-12	2/22/1995	19.91	---	---	---	3.80	16.11	---
HA-12	6/16/1995	19.91	---	---	---	7.40	12.51	---
HA-12	10/20/1995	19.91	---	---	---	7.40	12.51	---
HA-12	4/4/1996	19.91	---	---	---	5.65	14.26	---
HA-12	4/16/1996	19.91	---	---	---	5.26	14.65	---
HA-12	5/1/1997	19.91	---	---	---	6.13	13.78	---
HA-12	8/26/1997	19.91	---	---	---	8.58	11.33	---
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	---

Table 5

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
HA-13	4/14/1993	19.56	---	---	---	7.08	12.48	---
HA-13	12/15/1993	19.56	---	---	---	6.34	13.22	---
HA-13	11/4/1994	19.56	---	---	---	8.93	10.63	---
HA-13	2/22/1995	19.56	---	---	---	4.54	15.02	---
HA-13	6/16/1995	19.56	---	---	---	8.83	10.73	---
HA-13	10/20/1995	19.56	---	---	---	8.23	11.33	---
HA-13	4/4/1996	19.56	---	---	---	7.06	12.50	---
HA-13	4/16/1996	19.56	---	---	---	7.31	12.25	---
HA-13	5/1/1997	19.56	---	---	---	7.01	12.55	---
HA-13	9/18/1997	19.56	---	---	---	6.93	12.63	---
HA-13	4/30/1998	19.56	---	---	---	8.26	11.30	---
HA-13	7/28/1999	19.56	---	---	---	8.62	10.94	---
HA-13	5/22/2000	19.56	---	---	---	8.45	11.11	---
HA-13	5/22/2001	19.56	---	---	---	8.20	11.36	---
HA-13	6/4/2002	19.56	---	---	---	8.41	11.15	---
HA-13	11/24/2002	22.73	---	---	---	8.60	14.13	14.13
HA-13	1/17/2003	22.73	---	---	---	6.30	16.43	16.43
HA-13	1/31/2003	22.73	---	---	---	4.49	18.24	18.24
HA-13	2/7/2003	22.73	---	---	---	6.27	16.46	16.46
HA-13	2/12/2003	22.73	---	---	---	6.78	15.95	15.95
HA-13	2/18/2003	22.73	---	---	---	7.13	15.60	15.60
HA-13	2/21/2003	22.73	---	---	---	6.99	15.74	15.74
HA-13	2/24/2003	22.73	---	---	---	6.98	15.75	15.75
HA-13	3/4/2003	22.73	---	---	---	7.49	15.24	15.24
HA-13	3/12/2003	22.73	---	---	---	6.48	16.25	16.25
HA-13	3/14/2003	22.73	---	---	---	5.16	17.57	17.57
HA-13	3/26/2003	22.73	---	---	---	5.65	17.08	17.08
HA-13	3/28/2003	22.73	---	---	---	6.34	16.39	16.39
HA-13	4/2/2003	22.73	---	---	---	6.74	15.99	15.99
HA-13	4/4/2003	22.73	---	---	---	7.08	15.65	15.65
HA-13	4/8/2003	22.73	---	---	---	7.17	15.56	15.56
HA-13	4/11/2003	22.73	---	---	---	7.31	15.42	15.42
HA-13	4/15/2003	22.73	---	---	---	6.93	15.80	15.80
HA-13	4/17/2003	22.73	---	---	---	7.32	15.41	15.41
HA-13	4/22/2003	22.73	---	---	---	7.52	15.21	15.21
HA-13	4/25/2003	22.73	---	---	---	7.81	14.92	14.92
HA-13	5/2/2003	22.73	---	---	---	8.04	14.69	14.69
HA-13	5/6/2003	22.73	---	---	---	8.13	14.60	14.60
HA-13	5/9/2003	22.73	---	---	---	8.36	14.37	14.37
HA-13	5/23/2003	22.73	---	---	---	8.93	13.80	13.80
HA-13	5/27/2003	22.73	---	---	---	8.89	13.84	---
HA-13	5/28/2003	22.73	---	---	---	8.98	13.75	13.75
HA-13	6/13/2003	22.73	---	---	---	6.08	16.65	16.65
HA-13	6/18/2003	22.73	---	---	---	9.12	13.61	13.61
HA-13	6/27/2003	22.73	---	---	---	9.07	13.66	13.66
HA-13	7/7/2003	22.73	---	---	---	9.55	13.18	13.18
HA-13	7/16/2003	22.73	---	---	---	9.42	13.31	13.31
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

Table 5

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
HA-13	3/14/2007	22.73	---	---	---	6.28	16.45	---
HA-13	3/15/2007	22.73	---	---	---	6.36	16.37	16.37
HA-13	4/16/2007	22.73	---	---	---	7.18	15.55	15.55
HA-13	5/14/2007	22.73	---	---	---	8.40	14.33	14.33
HA-13	6/29/2007	22.73	---	---	---	9.26	13.47	13.47
HA-13	7/20/2007	22.73	---	---	---	9.51	13.22	13.22
HA-13	8/21/2007	22.73	---	---	---	9.89	12.84	12.84
HA-13	9/10/2007	22.73	---	---	---	9.91	12.82	12.82
HA-13	10/22/2007	22.73	---	---	---	8.11	14.62	14.62
HA-13	11/28/2007	22.73	---	---	---	8.22	14.51	14.51
HA-13	12/13/2007	22.73	6.32	16.41	0.01	6.33	16.41	16.42
HA-13	1/21/2008	22.73	---	---	---	6.83	15.90	15.90
HA-13	2/24/2008	22.73	---	---	---	7.55	15.18	15.18
HA-13	3/24/2008	22.73	---	---	---	7.89	14.84	14.84
HA-13	6/2/2008	22.73	---	---	---	9.03	13.70	---
HA-13	8/25/2008	22.73	---	---	---	9.29	13.44	13.44
HA-13	2/18/2009	22.73	---	---	Not Monitored	---	---	NM
HA-13	8/25/2009	22.73	---	---	Not Monitored	---	---	NM
HA-13	3/22/2010	22.73	---	---	---	7.52	15.21	15.21
HA-13	8/23/2010	22.73	---	---	---	9.35	13.38	13.38
HA-13	2/7/2011	22.73	---	---	---	6.48	16.25	---
HA-13	5/27/2011	22.73	---	---	---	7.55	15.18	---
HA-13	8/8/2011	22.73	---	---	---	9.21	13.52	---
HA-13	11/14/2011	22.73	---	---	---	8.69	14.04	---
HA-13	2/20/2012	22.73	---	---	---	5.17	17.56	---
HA-13	8/22/2012	22.73	---	---	---	9.11	13.62	---
HA-13	11/5/2012	22.73	---	---	---	4.28	18.45	---
HA-13	1/28/2013	22.73	---	---	---	6.19	16.54	---
HA-13	5/9/2013	22.73	---	---	---	7.57	15.16	---
HA-13	8/19/2013	22.73	---	---	---	9.51	13.22	---
HA-13	11/25/2013	22.73	---	---	---	7.19	15.54	---
HA-13	2/14/2014	22.73	---	---	---	5.07	17.66	---
HA-13	5/5/2014	22.73	---	---	---	4.48	18.25	---
HA-13	8/19/2014	22.73	---	---	---	9.33	13.40	---
HA-13	11/21/2014	22.73	---	---	---	7.26	15.47	---
HA-14	1/27/1993	20.02	---	---	---	6.10	13.92	---
HA-14	3/12/1993	20.02	---	---	---	8.80	11.22	---
HA-14	4/14/1993	20.02	---	---	---	7.04	12.98	---
HA-14	12/15/1993	20.02	---	---	---	8.56	11.46	---
HA-14	11/4/1994	20.02	---	---	---	8.35	11.67	---
HA-14	2/22/1995	20.02	---	---	---	5.10	14.92	---
HA-14	6/16/1995	20.02	---	---	---	9.51	10.51	---
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	---

Table 5

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
HA-14	8/25/2008	23.47	---	---	---	8.67	14.80	14.80
HA-14	2/18/2009	23.47	---	---	Not Monitored	---	---	NM
HA-14	8/25/2009	23.47	---	---	---	10.41	13.06	NM
HA-14	3/22/2010	23.47	---	---	---	8.15	15.32	15.32
HA-14	8/23/2010	23.47	---	---	---	9.94	13.53	13.53
HA-14	2/7/2011	23.47	---	---	---	7.35	16.12	---
HA-14	5/27/2011	23.47	---	---	---	8.28	15.19	---
HA-14	8/8/2011	23.47	---	---	---	9.89	13.58	---
HA-14	11/14/2011	23.47	---	---	---	10.31	13.16	---
HA-14	2/20/2012	23.47	---	---	---	6.90	16.57	---
HA-14	8/22/2012	23.47	---	---	---	9.83	13.64	---
HA-14	11/5/2012	23.47	---	---	DRY	---	---	---
HA-14	1/28/2013	23.47	---	---	---	7.34	16.13	---
HA-14	5/9/2013	23.47	---	---	---	8.22	15.25	---
HA-14	8/19/2013	23.47	---	---	---	10.15	13.32	---
HA-14	11/25/2013	23.47	---	---	---	8.16	15.31	---
HA-14	2/14/2014	23.47	---	---	---	7.90	15.57	---
HA-14	5/5/2014	23.47	---	---	---	6.91	16.56	---
HA-14	8/19/2014	23.47	---	---	---	9.17	14.30	---
HA-14	11/21/2014	23.47	---	---	---	8.11	15.36	---
HA-15	1/31/2003	22.87	---	---	---	5.56	17.31	---
HA-15	2/7/2003	22.87	---	---	---	5.31	17.56	17.31
HA-15	2/12/2003	22.87	---	---	---	5.64	17.23	17.56
HA-15	2/18/2003	22.87	---	---	---	6.09	16.78	17.23
HA-15	2/21/2003	22.87	---	---	---	7.92	14.95	14.95
HA-15	2/24/2003	22.87	---	---	---	6.04	16.83	16.83
HA-15	3/4/2003	22.87	---	---	---	6.62	16.25	16.25
HA-15	3/12/2003	22.87	---	---	---	6.02	16.85	16.85
HA-15	3/26/2003	22.87	---	---	---	5.46	17.41	17.41
HA-15	3/28/2003	22.87	---	---	---	5.96	16.91	16.91
HA-15	4/2/2003	22.87	---	---	---	5.91	16.96	16.96
HA-15	4/4/2003	22.87	---	---	---	6.22	16.65	16.65
HA-15	4/8/2003	22.87	---	---	---	6.42	16.45	16.45
HA-15	4/11/2003	22.87	---	---	---	6.63	16.24	16.24
HA-15	4/15/2003	22.87	---	---	---	6.28	16.59	16.59
HA-15	4/17/2003	22.87	---	---	---	6.49	16.38	16.38
HA-15	4/22/2003	22.87	---	---	---	6.66	16.21	16.21
HA-15	4/25/2003	22.87	---	---	---	7.07	15.80	15.80
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

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

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-15	5/14/2007	22.87	---	---	---	7.30	15.57	15.57
HA-15	6/29/2007	22.87	---	---	---	7.83	15.04	15.04
HA-15	7/20/2007	22.87	---	---	DRY	---	---	Dry
HA-15	8/21/2007	22.87	---	---	---	7.85	15.02	15.02
HA-15	9/10/2007	22.87	---	---	DRY	---	---	Dry
HA-15	10/22/2007	22.87	---	---	DRY	---	---	Dry
HA-15	11/28/2007	22.87	---	---	---	7.62	15.25	15.25
HA-15	12/13/2007	22.87	---	---	---	6.53	16.34	16.34
HA-15	1/21/2008	22.87	---	---	---	6.46	16.41	16.41
HA-15	2/24/2008	22.87	---	---	---	6.95	15.92	15.92
HA-15	3/24/2008	22.87	---	---	---	7.24	15.63	15.63
HA-15	8/25/2008	22.87	---	---	DRY	---	---	Dry
HA-15	2/18/2009	22.87	---	---	---	7.35	15.52	15.52
HA-15	8/25/2009	22.87	---	---	DRY	---	---	Dry
HA-15	3/22/2010	22.87	---	---	---	6.26	16.61	16.61
HA-15	8/23/2010	22.87	---	---	DRY	---	---	Dry
HA-15	2/7/2011	22.87	---	---	---	5.90	16.97	---
HA-15	5/27/2011	22.87	---	---	Not Monitored	---	---	---
HA-15	8/8/2011	22.87	---	---	---	6.30	16.57	---
HA-15	11/14/2011	22.87	---	---	DRY	---	---	---
HA-15	2/20/2012	22.87	---	---	---	5.41	17.46	---
HA-15	8/22/2012	22.87	---	---	---	7.81	15.06	---
HA-15	11/5/2012	22.87	---	---	---	7.84	15.03	---
HA-15	1/28/2013	22.87	---	---	---	5.26	17.61	---
HA-15	5/9/2013	22.87	---	---	---	6.58	16.29	---
HA-15	8/19/2013	22.87	---	---	---	7.84	15.03	---
HA-15	11/25/2013	22.87	---	---	---	6.68	16.19	---
HA-15	2/14/2014	22.87	---	---	---	6.23	16.64	---
HA-15	5/5/2014	22.87	---	---	---	5.20	17.67	---
HA-15	8/19/2014			Decommissioned Well				
HA-16	12/5/2002	22.07	7.60	14.47	0.05	7.65	14.46	---
HA-16	12/11/2002	22.07	7.40	14.67	0.68	8.08	14.50	---
HA-16	12/13/2002	22.07	7.33	14.74	0.96	8.29	14.50	14.50
HA-16	12/17/2002	22.07	6.67	15.40	1.54	8.21	15.02	15.01
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	---

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>	
HA-16	1/28/2013	22.07	---	---	---	4.73	17.34	---	
HA-16	5/9/2013	22.07	---	---	---	5.89	16.18	---	
HA-16	8/19/2013	22.07	---	---	---	8.64	13.43	---	
HA-16	11/25/2013	22.07	---	---	---	6.10	15.97	---	
HA-16	2/14/2014	22.07	---	---	---	5.54	16.53	---	
HA-16	5/5/2014	22.07	---	---	---	3.94	18.13	---	
HA-16	8/19/2014			Decommissioned Well					
HA-17	8/11/2003	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			Decommissioned 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	

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	4/16/2007	21.51	---	---	---	4.43	17.08	17.08
HA-18	5/14/2007	21.51	---	---	---	6.45	15.06	15.06
HA-18	6/29/2007	21.51	---	---	---	7.27	14.24	14.24
HA-18	7/20/2007	21.51	---	---	---	7.87	13.64	13.64
HA-18	8/21/2007	21.51	---	---	DRY			Dry
HA-18	9/10/2007	21.51	---	---	DRY			Dry
HA-18	10/22/2007	21.51	---	---	DRY			Dry
HA-18	11/28/2007	21.51	---	---	---	6.92	14.59	14.59
HA-18	12/13/2007	21.51	---	---	---	5.86	15.65	15.65
HA-18	1/21/2008	21.51	---	---	---	5.62	15.89	15.89
HA-18	2/24/2008	21.51	---	---	---	4.36	17.15	17.15
HA-18	3/24/2008	21.51	---	---	---	6.29	15.22	15.22
HA-18	8/25/2008	21.51	---	---	---	8.07	13.44	13.44
HA-18	2/18/2009	21.51	---	---	---	6.32	15.19	15.19
HA-18	8/25/2009	21.51	---	---	DRY			0.00
HA-18	3/22/2010	21.51	---	---	---	4.81	16.70	16.70
HA-18	8/23/2010	21.51	---	---	---	7.26	14.25	14.25
HA-18	2/7/2011	21.51	---	---	---	4.99	16.52	---
HA-18	5/27/2011	21.51	---	---	Not Monitored			
HA-18	8/8/2011	21.51	---	---	---	7.76	13.75	---
HA-18	11/14/2011	21.51	---	---	---	7.58	13.93	---
HA-18	2/20/2012	21.51	---	---	---	5.24	16.27	---
HA-18	11/5/2012	21.51	---	---	---	7.74	13.77	---
HA-18	1/28/2013	21.51	---	---	---	4.34	17.17	---
HA-18	8/19/2013	21.51	---	---	---	8.00	13.51	---
HA-18	11/25/2013	21.51	---	---	---	6.22	15.29	---
HA-18	2/14/2014	21.51	---	---	---	5.50	16.01	---
HA-18	5/5/2014	21.51	---	---	---	4.74	16.77	---
HA-18	8/19/2014			Decommissioned Well				
HA-19	4/2/2003	22.92	---	---	---	4.61	18.31	---
HA-19	4/4/2003	22.92	7.10	---	---	7.13	15.79	18.31
HA-19	4/8/2003	22.92	6.61	---	---	6.62	16.31	15.79
HA-19	4/11/2003	22.92	5.69	17.23	0.00	5.69	17.23	16.31
HA-19	4/15/2003	22.92	---	---	---	4.26	18.66	18.66
HA-19	4/17/2003	22.92	---	---	---	5.62	17.30	17.30
HA-19	4/22/2003	22.92	7.21	15.71	0.01	7.22	15.71	15.72
HA-19	4/25/2003	22.92	7.23	15.69	0.00	7.23	15.69	15.69
HA-19	5/2/2003	22.92	---	---	---	7.87	15.05	15.05
HA-19	5/6/2003	22.92	---	---	---	7.80	15.12	15.12
HA-19	5/9/2003	22.92	---	---	---	8.00	14.92	14.92
HA-19	5/23/2003	22.92	---	---	DRY			Dry
HA-19	5/28/2003	22.92	---	---	DRY			Dry
HA-19	6/13/2003	22.92	---	---	DRY			Dry
HA-19	6/18/2003	22.92	---	---	DRY			Dry
HA-19	6/27/2003	22.92	---	---	DRY			Dry
HA-19	7/7/2003	22.92	---	---	DRY			Dry
HA-19	7/16/2003	22.92	---	---	DRY			Dry
HA-19	7/31/2003	22.92	---	---	DRY			Dry
HA-19	8/5/2003	22.92	---	---	DRY			Dry
HA-19	8/11/2003	22.92	---	---	DRY			Dry
HA-19	8/22/2003	22.92	---	---	DRY			Dry
HA-19	8/26/2003	22.92	---	---	DRY			Dry
HA-19	9/2/2003	22.92	---	---	DRY			Dry
HA-19	9/9/2003	22.92	---	---	DRY			Dry
HA-19	9/19/2003	22.92	---	---	DRY			Dry
HA-19	10/14/2003	22.92	---	---	DRY			Dry
HA-19	11/20/2003	22.92	---	---	---	4.74	18.18	18.18
HA-19	12/3/2003	22.92	---	---	---	5.35	17.57	17.57
HA-19	1/19/2004	22.92	5.51	17.41	0.005	5.52	17.41	17.41
HA-19	2/24/2004	22.92	7.18	15.74	0.005	7.19	15.74	15.74
HA-19	3/15/2004	22.92	---	---	---	7.94	14.98	14.98
HA-19	4/19/2004	22.92	---	---	---	8.01	14.91	14.91
HA-19	5/17/2004	22.92	---	---	DRY			0.00
HA-19	6/22/2004	22.92	---	---	DRY			0.00
HA-19	8/18/2004	22.92	---	---	DRY			0.00
HA-19	9/21/2004	22.92	---	---	---	6.85	16.07	16.07
HA-19	10/19/2004	22.92	---	---	---	4.21	18.71	18.71
HA-19	11/23/2004	22.92	---	---	DRY			0.00
HA-19	12/21/2004	22.92	---	---	---	5.13	17.79	17.79
HA-19	1/13/2005	22.92	---	---	---	7.35	15.57	15.57
HA-19	4/28/2005	22.92	---	---	---	6.97	15.95	15.95
HA-19	6/1/2005	22.92	---	---	---	7.39	15.53	15.53
HA-19	6/29/2005	22.92	---	---	DRY			Dry
HA-19	7/20/2005	22.92	---	---	DRY			Dry
HA-19	8/22/2005	22.92	---	---	DRY			Dry
HA-19	9/12/2005	22.92	---	---	DRY			Dry
HA-19	10/12/2005	22.92	---	---	DRY			Dry
HA-19	11/21/2005	22.92	---	---	---	8.81	14.11	14.11
HA-19	12/27/2005	22.92	---	---	---	4.17	18.75	18.75
HA-19	1/30/2006	22.92	---	---	---	4.14	18.78	18.78
HA-19	2/16/2006	22.92	---	---	---	6.13	16.79	16.79
HA-19	3/13/2006	22.92	---	---	---	7.16	15.76	15.76
HA-19	4/18/2006	22.92	---	---	---	6.68	16.24	16.24
HA-19	5/12/2006	22.92	---	---	---	7.79	15.13	15.13
HA-19	6/9/2006	22.92	---	---	---	7.33	15.59	15.59
HA-19	7/13/2006	22.92	---	---	---	8.00	14.92	14.92
HA-19	8/16/2006	22.92	---	---	DRY			Dry
HA-19	9/19/2006	22.92	---	---	DRY			Dry
HA-19	10/16/2006	22.92	---	---	DRY			Dry
HA-19	11/20/2006	22.92	---	---	---	4.40	18.52	18.52
HA-19	12/8/2006	22.92	---	---	---	5.54	17.38	17.38
HA-19	1/19/2007	22.92	---	---	---	5.20	17.72	17.72
HA-19	2/19/2007	22.92	---	---	---	7.20	15.72	15.72
HA-19	3/15/2007	22.92	---	---	---	6.09	16.83	16.83
HA-19	4/16/2007	22.92	---	---	---	6.99	15.93	15.93
HA-19	5/14/2007	22.92	---	---	DRY			Dry

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							Decommissioned Well
LAI-1	1/17/2003	20.94	---	---	---	4.17	16.77	---
LAI-1	1/20/2003	20.94	---	---	---	4.18	16.76	---
LAI-1	1/31/2003	20.94	---	---	---	4.28	16.66	16.77
LAI-1	2/7/2003	20.94	4.06	16.88	0.48	4.54	16.76	16.76
LAI-1	2/12/2003	20.94	4.38	16.56	1.08	5.46	16.29	17.10
LAI-1	2/18/2003	20.94	---	---	---	5.40	15.54	15.54
LAI-1	2/21/2003	20.94	---	---	---	5.52	15.42	15.42
LAI-1	2/24/2003	20.94	---	---	---	5.96	14.98	14.98
LAI-1	3/3/2003	20.94	---	---	---	5.76	15.18	15.18
LAI-1	3/12/2003	20.94	---	---	---	5.48	15.46	15.46
LAI-1	3/14/2003	20.94	---	---	---	5.09	15.85	15.85
LAI-1	3/26/2003	20.94	---	---	---	4.76	16.18	16.18
LAI-1	3/28/2003	20.94	---	---	---	4.86	16.08	16.08
LAI-1	4/2/2003	20.94	5.21	15.73	0.01	5.22	15.73	15.74
LAI-1	4/4/2003	20.94	5.19	15.75	0.01	5.20	15.75	15.76
LAI-1	4/8/2003	20.94	5.67	15.27	0.01	5.68	15.27	15.28
LAI-1	4/11/2003	20.94	5.07	15.87	0.01	5.08	15.87	15.88
LAI-1	4/15/2003	20.94	4.62	16.32	0.01	4.63	16.32	16.33
LAI-1	4/17/2003	20.94	6.14	14.80	0.01	6.15	14.80	14.81
LAI-1	4/22/2003	20.94	---	---	---	5.21	15.73	15.73
LAI-1	4/25/2003	20.94	---	---	---	5.43	15.51	15.51
LAI-1	5/2/2003	20.94	---	---	---	5.53	15.41	15.41
LAI-1	5/6/2003	20.94	---	---	---	5.66	15.28	15.28
LAI-1	5/9/2003	20.94	---	---	---	6.15	14.79	14.79
LAI-1	5/16/2003	20.94	---	---	---	6.40	14.54	14.54
LAI-1	5/23/2003	20.94	6.50	14.44	0.01	6.51	14.44	14.45
LAI-1	5/28/2003	20.94	6.45	14.49	0.01	6.46	14.49	14.50
LAI-1	6/13/2003	20.94	6.79	14.15	0.01	6.80	14.15	14.16
LAI-1	6/18/2003	20.94	---	---	---	6.78	14.16	14.16
LAI-1	6/27/2003	20.94	---	---	---	6.81	14.13	14.13

Table 5

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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
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

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	4/8/2003	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	---
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	---

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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
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

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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
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

Table 5

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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
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

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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	---
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	---

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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
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	---

Table 5

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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
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

Table 5

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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
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

Table 5

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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
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

Table 5

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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
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

Table 5

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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
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

Table 5

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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
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

Table 5

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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	---	---	---
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

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	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
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

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
RW-4	11/22/2002	23.02	8.37	14.65	0.77	9.14	14.46	16.84
RW-4	11/24/2002	23.02	7.57	15.45	2.52	10.09	14.82	15.04
RW-4	1/3/2003	23.02	6.31	16.71	0.50	6.81	16.59	16.96
RW-4	1/6/2003	23.02	6.02	17.00	0.04	6.06	16.99	17.02
RW-4	1/7/2003	23.02	5.74	17.28	0.18	5.92	17.24	17.37
RW-4	1/8/2003	23.02	5.67	17.35	0.14	5.81	17.32	17.42
RW-4	1/9/2003	23.02	5.67	17.35	0.19	5.86	17.30	17.45
RW-4	1/10/2003	23.02	5.76	17.26	0.25	6.01	17.20	17.39
RW-4	1/13/2003	23.02	5.80	17.22	0.35	6.15	17.13	17.40
RW-4	1/14/2003	23.02	5.85	17.17	0.29	6.14	17.10	17.32
RW-4	1/15/2003	23.02	5.05	17.97	1.80	6.85	17.52	18.87
RW-4	1/16/2003	23.02	5.78	17.24	0.27	6.05	17.17	17.38
RW-4	1/17/2003	23.02	5.72	17.30	0.27	5.99	17.23	17.44
RW-4	1/20/2003	23.02	5.84	17.18	0.30	6.14	17.11	17.33
RW-4	1/22/2003	23.02	5.82	17.20	0.34	6.16	17.12	17.37
RW-4	1/23/2003	23.02	6.12	16.90	0.58	6.70	16.76	17.19
RW-4	1/24/2003	23.02	5.97	17.05	0.38	6.35	16.96	17.24
RW-4	1/27/2003	23.02	5.51	17.51	0.13	5.64	17.48	17.58
RW-4	1/28/2003	23.02	5.50	17.52	0.10	5.60	17.50	17.57
RW-4	1/29/2003	23.02	5.36	17.66	0.07	5.43	17.64	17.70
RW-4	1/30/2003	23.02	5.45	17.57	0.13	5.58	17.54	17.64
RW-4	2/3/2003	23.02	5.66	17.36	0.21	5.87	17.31	17.47
RW-4	2/6/2003	23.78	6.35	17.43	0.28	6.63	17.36	17.57
RW-4	2/11/2003	23.78	6.75	17.03	0.39	7.14	16.93	17.23
RW-4	2/18/2003	23.78	7.22	16.56	1.07	8.29	16.29	17.10
RW-4	2/21/2003	23.78	7.10	16.68	0.97	8.07	16.44	17.17
RW-4	2/26/2003	23.78	6.74	17.04	0.84	7.58	16.83	17.46
RW-4	3/4/2003	23.78	7.08	16.70	0.14	7.22	16.67	16.77
RW-4	3/12/2003	23.78	7.34	16.44	0.41	7.75	16.34	16.65
RW-4	3/14/2003	23.78	7.20	16.58	0.64	7.84	16.42	16.90
RW-4	3/26/2003	23.78	6.61	17.17	0.40	7.01	17.07	17.37
RW-4	3/28/2003	23.78	7.15	16.63	0.47	7.62	16.51	16.87
RW-4	4/2/2003	23.78	7.21	16.57	0.24	7.45	16.51	16.69
RW-4	4/4/2003	23.78	7.52	16.26	0.15	7.67	16.22	16.34
RW-4	4/8/2003	23.78	---	---	---	7.26	16.52	16.52
RW-4	4/11/2003	23.78	7.72	16.06	0.03	7.75	16.05	16.08
RW-4	4/15/2003	23.78	7.14	16.64	0.06	7.20	16.63	16.67
RW-4	4/17/2003	23.78	7.82	15.96	0.08	7.90	15.94	16.00
RW-4	4/22/2003	23.78	7.87	15.91	0.08	7.95	15.89	15.95
RW-4	4/25/2003	23.78	7.91	15.87	0.11	8.02	15.84	15.93
RW-4	5/2/2003	23.78	8.32	15.46	0.13	8.45	15.43	15.53
RW-4	5/6/2003	23.78	8.50	15.28	0.31	8.81	15.20	15.44
RW-4	5/9/2003	23.78	8.72	15.06	0.36	9.08	14.97	15.24
RW-4	5/23/2003	23.78	8.92	14.86	1.11	10.03	14.58	15.42
RW-4	5/28/2003	23.78	8.80	14.98	0.02	8.82	14.98	14.99
RW-4	6/13/2003	23.78	8.90	14.88	1.72	10.62	14.45	15.74
RW-4	6/18/2003	23.78	8.85	14.93	1.96	10.81	14.44	15.91
RW-4	6/27/2003	23.78	9.40	14.38	1.42	10.82	14.03	15.09
RW-4	7/7/2003	23.78	9.54	14.24	1.27	10.81	13.92	14.88
RW-4	7/16/2003	23.78	9.41	14.37	1.40	10.81	14.02	15.07
RW-4	7/31/2003	23.78	9.95	13.83	0.85	10.80	13.62	14.26
RW-4	8/5/2003	23.78	9.82	13.96	0.98	10.80	13.72	14.45
RW-4	8/11/2003	23.78	10.84	12.94	0.94	11.78	12.71	13.41
RW-4	8/22/2003	23.78	10.87	12.91	0.92	11.79	12.68	13.37
RW-4	8/26/2003	23.78	10.36	13.42	0.44	10.80	13.31	13.64
RW-4	9/2/2003	23.78	10.22	13.56	0.58	10.80	13.42	13.85
RW-4	9/9/2003	23.78	---	---	---	10.80	12.98	12.98
RW-4	9/19/2003	23.78	---	---	---	10.81	12.97	12.97
RW-4	10/14/2003	23.78	---	---	---	10.80	12.98	12.98
RW-4	11/20/2003	23.78	7.96	15.82	1.54	9.50	15.44	16.59
RW-4	12/3/2003	23.78	6.75	17.03	1.03	7.78	16.77	17.55
RW-4	1/19/2004	23.78	6.18	17.60	0.06	6.24	17.59	17.63
RW-4	2/24/2004	23.78	6.97	16.81	0.06	7.03	16.80	16.84
RW-4	3/15/2004	23.78	---	---	---	8.10	15.68	15.68
RW-4	4/19/2004	23.78	---	---	---	8.71	15.07	15.07
RW-4	5/17/2004	23.78	---	---	---	9.73	14.05	14.05
RW-4	6/22/2004	23.78	---	---	---	9.57	14.21	14.21
RW-4	8/18/2004	23.78	10.35	13.43	0.42	10.77	13.33	13.64
RW-4	9/21/2004	23.78	9.53	14.25	0.19	9.72	14.20	14.35
RW-4	10/19/2004	23.78	8.63	15.15	0.39	9.02	15.05	15.35
RW-4	11/23/2004	23.78	8.94	14.84	0.05	8.99	14.83	14.87
RW-4	12/21/2004	23.78	6.68	17.10	0.08	6.76	17.08	17.14
RW-4	1/13/2005	23.78	---	---	---	7.74	16.04	16.04
RW-4	4/28/2005	23.78	---	---	---	6.77	17.01	17.01
RW-4	6/1/2005	23.78	---	---	---	7.02	16.76	16.76
RW-4	6/29/2005	23.78	---	---	---	---	---	NM
RW-4	7/20/2005	23.78	---	---	---	---	---	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

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	4/16/2007	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
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

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	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	---
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

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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
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	---

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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
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

Table 5

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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
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

Table 5

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HWx-1East	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
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	---

Table 5

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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-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-3	11/14/2011	21.21	---	---	---	8.91	12.30	---
MW-3	2/20/2012	21.21	---	---	---	6.09	15.12	---
MW-3	8/22/2012	21.21	---	---	---	10.30	10.91	---
MW-3	11/5/2012	21.21	---	---	---	7.30	13.91	---
MW-3	1/28/2013	21.21	---	---	---	6.10	15.11	---
MW-3	5/9/2013	21.21	---	---	---	7.09	14.12	---
MW-3	8/19/2013	21.21	---	---	---	10.99	10.22	---
MW-3	11/25/2013	21.21	---	---	---	7.15	14.06	---
MW-3	2/14/2014	21.21	---	---	---	6.68	14.53	---
MW-3	5/5/2014	21.21	---	---	---	6.02	15.19	---
MW-3	8/19/2014	21.21	---	---	---	9.71	11.50	---
MW-3	11/21/2014	21.21	---	---	---	7.00	14.21	---
MW-3	11/14/2016	21.21	---	---	---	6.00	15.21	---
MW-3	11/16/2016	21.21	---	---	---	---	---	---
MW-3	2/16/2017	21.21	---	---	---	4.75	16.46	---
MW-3	5/24/2017	21.21	---	---	---	6.50	14.71	---
MW-3	9/26/2017	21.21	---	---	---	10.08	11.13	---
MW-3	9/27/2017	21.21	---	---	---	---	---	---
MW-3	9/27/2017	21.21	---	---	---	---	---	---
MW-3	12/13/2017	21.21	---	---	---	5.74	15.47	---
MW-3	2/26/2018	21.21	---	---	---	5.86	15.35	---
MW-3	6/11/2018	21.21	---	---	---	8.94	12.27	---
MW-3	6/26/2018	21.21	---	---	---	9.85	11.36	---
MW-3	8/28/2018	21.21	---	---	---	10.81	10.40	---
MW-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-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	---

Table 5

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
MW-5	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-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-7	11/14/2011	22.10	---	---	---	10.21	11.89	---
MW-7	2/20/2012	22.10	---	---	---	8.96	13.14	---
MW-7	8/22/2012	22.10	---	---	---	11.07	11.03	---
MW-7	11/5/2012	22.10	---	---	---	9.51	12.59	---
MW-7	1/28/2013	22.10	---	---	---	9.12	12.98	---
MW-7	5/9/2013	22.10	---	---	---	9.53	12.57	---
MW-7	8/19/2013	22.10	---	---	---	11.63	10.47	---
MW-7	11/25/2013	22.10	---	---	---	9.32	12.78	---
MW-7	2/14/2014	22.10	---	---	---	8.81	13.29	---
MW-7	5/5/2014	22.10	---	---	---	8.22	13.88	---
MW-7	8/19/2014	22.10	---	---	---	10.48	11.62	---
MW-7	11/14/2016	22.10	---	---	---	8.77	13.33	---
MW-7	11/17/2016	22.10	---	---	---	---	---	---
MW-7	2/16/2017	22.10	---	---	---	7.37	14.73	---
MW-7	5/24/2017	22.10	---	---	---	9.02	13.08	---
MW-7	9/26/2017	22.10	---	---	---	11.67	10.43	---
MW-7	12/13/2017	22.10	---	---	---	8.32	13.78	---
MW-7	2/26/2018	22.10	---	---	---	8.86	13.24	---
MW-7	6/11/2018	22.10	---	---	---	10.17	11.93	---
MW-7	8/29/2018	22.10	---	---	---	11.80	10.30	---
MW-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-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	---

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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-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	---
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-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-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	---

Table 5

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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-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-14	11/14/2011	21.54	---	---	---	9.66	11.88	---
MW-14	2/20/2012	21.54	---	---	---	8.33	13.21	---
MW-14	8/22/2012	21.54	---	---	---	10.36	11.18	---
MW-14	11/5/2012	21.54	---	---	---	8.98	12.56	---
MW-14	1/28/2013	21.54	---	---	---	8.75	12.79	---
MW-14	5/9/2013	21.54	---	---	---	9.19	12.35	---
MW-14	8/19/2013	21.54	---	---	---	11.09	10.45	---
MW-14	11/25/2013	21.54	---	---	---	8.86	12.68	---
MW-14	2/14/2014	21.54	---	---	---	8.28	13.26	---
MW-14	5/5/2014	21.54	---	---	---	7.61	13.93	---
MW-14	8/19/2014	21.54	---	---	---	9.86	11.68	---
MW-14	11/21/2014	21.54	---	---	---	8.32	13.22	---
MW-14	11/14/2016	21.54	---	---	---	9.65	11.89	---
MW-14	11/17/2016	21.54	---	---	---	---	---	---
MW-14	2/16/2017	21.54	---	---	---	7.70	13.84	---
MW-14	5/25/2017	21.54	---	---	---	8.35	13.19	---
MW-14	9/26/2017	21.54	---	---	---	10.10	11.44	---
MW-14	12/14/2017	21.54	---	---	---	8.10	13.44	---
MW-14	2/26/2018	21.54	---	---	---	8.13	13.41	---
MW-14	6/11/2018	21.54	---	---	---	9.38	12.16	---
MW-14	8/28/2018	21.54	---	---	---	11.54	10.00	---
MW-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-16	2/20/2012	21.24	---	---	---	8.23	13.01	---

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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-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	---
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	---

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-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	---
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	---

Table 5

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

<i>Well</i>	<i>Date</i>	<i>Top of Casing Elevation (feet)</i>	<i>Depth to Free Product (feet BTOC)</i>	<i>Elevation of Free Product (feet)</i>	<i>Product Thickness In Well (feet)</i>	<i>Depth to Groundwater (feet BTOC)</i>	<i>Groundwater Elevation (feet)</i>	<i>Potentiometric Elevation</i>
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	---
P-1	5/9/2013	21.47	8.76	---	0.07	8.83	12.69	---
P-1	8/19/2013	21.47	10.38	---	0.41	10.79	10.99	---
P-1	11/25/2013	21.47	8.57	---	0.21	8.78	12.85	---
P-1	2/14/2014	21.47	7.89	---	1.36	9.25	13.24	---
P-1	5/5/2014	21.47	7.3	14.17	2.46	9.76	13.56	---
P-1	8/19/2014	21.47	9.79	11.68	0.42	10.21	11.58	---
P-1	11/14/2016	21.47	---	---	---	9.36	12.11	---
P-1	2/16/2017	21.47	6.19	15.28	3.31	9.50	14.62	---
P-1	5/24/2017	21.47	8.33	13.14	1.08	9.41	12.92	---
P-1	9/26/2017	21.47	10.15	11.32	0.87	11.02	11.15	---
P-1	12/11/2017	21.47	7.65	13.82	1.49	9.14	13.52	---
P-1	2/26/2018	21.47	8.8	12.67	0.62	9.42	12.55	---
P-1	6/11/2018	21.47	9.20	12.27	0.48	9.68	12.17	---
P-1	8/27/2018	21.47	---	---	---	11.09	10.38	---
P-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

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
		800	500	500	5	1,000	700	1,000	20	--
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
HB-1	12/7/1993	61	--	--	<0.50	<0.50	0.14	0.12	--	--
HB-2	12/7/1993	68	--	--	0.092	<0.50	0.17	0.13	--	--
R-1	9/17/1997	3,360,000	206,000	23,500	7,620	3,460	1,460	9,460	--	--
W-1	5/23/2000	190,000	160,000	<100,000	34,000	42,000	3,600	23,000	--	--
W-1	5/24/2001				LPH Encountered					
W-1	6/5/2002	130,000	79,000	<9,400	17,000	27,000	2,700	19,000	--	--
W-1	11/25/2002	155,000	16.7	0.500	17,600	24,800	2,950	19,500	--	--
W-1	5/29/2003	170,000	79,000	<4,800	20,000	25,000	3,400	23,000	--	--
W-1	6/16/2004				LPH Encountered					
W-1	6/20/2005	93,000	120,000	<11,000	12,000	13,000	1,600	12,000	--	--
W-1	6/7/2006	69,500	7,500	337	8,680	6,260	726	8,240	--	--
W-1	10/23/2006	91,700	9,070	<183	14,500	8,400	2,420	20,800	--	--
W-1	3/14/2007	70,300	16,100	<740	8,920	2,800	1,010	17,600	--	--
W-1 (DUP)	3/14/2007	63,200	11,000	<370	9,340	3,010	1,130	19,200	--	--
W-1	9/11/2007				Insufficient Groundwater to Sample					
W-1	6/4/2008	81,900	23,900	1,370	14,600	697	1,510	17,100	--	--
W-1	8/25/2008				Insufficient Groundwater to Sample					
W-1	3/24/2010	76,400	2,510	<381	22,300	7,190	2,640	16,900	6.9	<250
W-1	8/27/2010	56,200	8,170	<400	16,500	2,550	2,270	14,400	<1.0	<250
W-1	2/9/2011	74,200	2,960	<377	12,000	1,210	1,650	13,700	58.7	--
W-1	5/24/2011	80,400	2,800	<450	11,400	1,570	1,670	15,500	74	--
W-1	8/16/2011	58,400	184,000	<6700	16,300	804	1,600	16,000	25.4 J	--
W-1	2/23/2012	179,000	2,700	<380	9,850	530	2,120	41,600	13.7	--
W-1	5/10/2012	46,600	10,000	<380	6,310	158	936	11,700	50.9	--
W-1	8/24/2012	51,500 ¹⁰	1,600	<380	3,550	280	266	10,300	25.4	--
W-1	1/31/2013	29,400	10,300	<430	5,350	91	197	5,470	<50.0	--
W-1	4/30/2013	51,800	1,200 J	<200	7,040	208	505	9,270	60.4	--
W-1 (DUP)	4/30/2013	50,800	2,200 J	<200	7,220	191	477	9,320	50.9	--
W-1	11/19/2013	34,000	3,700	<400	5,650	83.4	652	6,410	<50.0	--
W-1	2/5/2014	29,600	4,300	<400	3,190	30.3	274	3,650	37	--
W-1	5/6/2014	39,000	4,400	<28	4,930	163	552	4,630	<3.4	--
W-1 (DUP)	5/6/2014	36,600	4,200	<29	4,730	166	551	4,850	<8.4	--
W-2	9/18/1997	393,000	85,200	19,200	19,400	11,700	3,550	18,000	--	--
W-2	7/29/1999	110,000	36,000	<10,000	12,000	11,000	1,900	13,000	--	--
W-2	5/23/2000	85,000	50,000	<20,000	15,000	19,000	1,500	10,000	--	--
W-2	5/24/2001	25,000	30,000	13,000	7,600	3,000	420	4,400	--	--
W-2	6/5/2002				LPH Encountered					
W-2	11/25/2002	104,000	14.7	1.91	15,300	15,800	1,960	11,700	--	--
W-2	5/28/2003	98,000	28,000	7,800J	16,000	15,000	2,200	12,000	--	--
W-2	6/15/2004	85,000	460,000	<50,000	21,000	5,700	2,800	8,700	--	--
W-2	6/22/2005	50,000	73,000	<4,000	11,000	2,000	1,800	6,900	--	--
W-2	6/6/2006	34,400	5,880	283Ju	6,640	1,660	464	4,760	--	--
W-2	10/23/2006	53,000	5,800	<183	12,500	3,470	1,710	8,220	--	--
W-2 (DUP)	10/23/2006	60,800	5,890	<183	12,000	2,840	1,650	7,420	--	--
W-2	3/14/2007	51,800	12,400	<370	9,060	1,840	2,010	10,500	--	--
W-2	9/11/2007	42,900	5,780	<100	14,000	572	1,610	3,040	--	--
W-2	6/3/2008	51,900	46,300	3,330J	15,100	215	2,250	3,510	--	--
W-2	8/27/2008	49,000 ¹	5,050 ^{1,3}	363 ¹	18,700 ¹	147 ¹	1,970 ¹	3,630 ¹	24 ¹	74.4 ¹
W-2	3/23/2010	48,300	2,150	<381	14,100	691	3,090	10,400	6.1	<250
W-2	8/27/2010	30,700	4,570	502	12,500	253	2,730	7,580	10.8	<250
W-2	2/9/2011	11,500	19,200	3,530	9,010	74.4	2,090	3,820	10.7	--
W-2	8/15/2011	13,400	940	<380	10,200	169 J	1,110	1,180	19.5 J	--
W-2	3/1/2012	57,500	1,900	<380	18,500	--	5,330	3,050	--	--
W-2	8/29/2012	21,900 ¹⁰	1,500	<380	9,590	406	2,070	1,740	12.6	--
W-2	2/4/2013	16,800	3,200	<440	10,200	116	2,050	1,500	<50.0	--
W-2	8/13/2013	21,300	3,400	540	10,100	70.4 J	1,720	766	<50.0	--
W-2	2/12/2014	27,100	2,700	450	6,730	89.6	2,330	1,070	<25.0	--

Table 6

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
W-3	4/14/1993	91,000	--	--	2,000	4,800	2,700	15,000	--	--
W-3	12/15/1993	45,000	--	--	670	1,300	580	8,300	--	--
W-3	11/4/1994	39,000	--	--	520	190	630	5,100	--	--
W-3	9/17/1997	105,000	15,000	<500	2,820	8,730	1,570	11,500	--	--
W-3	4/29/1998	54,000	18,000	<5,000	920	850	2,000	10,000	--	--
W-3	7/30/1999	48,000	48,000	<10,000	2,900	1,900	1,800	6,900	--	--
W-3	5/23/2000	34,000	19,000	<10,000	910	180	1,400	4,900	--	--
W-3	5/22/2001	19,000	28,000	<10,000	890	36	1,100	2,200	--	--
W-3	6/4/2002	17,000	36,000	<4,800	1,900	45	640	2,300	--	--
W-3	11/26/2002	14,100	4.89	0.500	455	156	463	1,570	--	--
W-3	5/28/2003	16,000	55,000	<4,800	500	32	600	740	--	--
W-3	6/16/2004				LPH Encountered					
W-3	6/21/2005	9,100	10,000	<980	790	15	470	490	--	--
W-3	6/6/2006	13,400	3,090	153u	1,880	25.1	640	821	--	--
W-3	10/24/2006	12,200	2,300	<35.2	933	21.3	293	638	--	--
W-3 (DUP)	10/24/2006	9,520	2,050	<36.9	877	18.3	301	535	--	--
W-3	3/14/2007	9,370	2,200	<185	687	18.9	286	446	--	--
W-3	9/12/2007	9,180	2,940	40.0J	614	13.1	397	437	--	--
W-3	6/4/2008	13,000	2,210	46.9J	727	149	576	724	--	--
W-3 (DUP)	6/4/2008	12,400	1,980	42.2J	753	230	519	686	--	--
W-3	8/26/2008	14,600 ¹	3,240 ^{1,3}	46.8 ¹	763 ¹	176	564	1,450 ¹	0.42 ¹	74.4 ¹
W-3	3/25/2010	67.9	<76.9	<385	3.1	<1.0	5.0	<3.0	<1.0	<250
W-3 (DUP)	3/25/2010	322	<76.9	<385	11.3	<1.0	33.3	5.5	<1.0	<250
W-3 (DUP)	3/25/2010	272	<78.4	<392	11.9	<1.0	34.3	5.6	<1.0	<250
W-3	8/27/2010				Insufficient Groundwater to Sample					
W-4	4/14/1993	130,000	--	--	2,600	7,800	2,800	20,000	--	--
W-4	12/15/1993	180,000	--	--	3,200	2,700	11,000	18,000	--	--
W-4	9/17/1997	114,000	276,000	<500	1,750	<100	1,480	8,490	--	--
W-4	4/29/1998	84,000	250,000	<20,000	2,400	120	1,600	8,000	--	--
W-4	7/30/1999	53,000	42,000	<10,000	2,100	100	1,900	6,300	--	--
W-4	5/23/2001				LPH Encountered					
W-4	6/4/2002	35,000	59,000	6,800J	2,300	32	1,800	3,500	--	--
W-4	11/25/2002	39,900	19.2	0.648	1,830	38.2	2,550	4,220	--	--
W-4	5/28/2003	32,000	26,000	1,600J	800	22	1,500	1,000	--	--
W-4	6/15/2004				LPH Encountered					
W-4	6/21/2005	23,000	110,000	<19,000	1,200	11	1,400	200	--	--
W-4	6/6/2006	9,180	4,620	411	1,230	18.4	1,010	67.4	--	--
W-4	10/24/2006	17,200	5,570	<70.5	1,520	8.34	1,490	18.9	--	--
W-4	3/14/2007	10,100	4,820	<185	422	11.0	456	148	--	--
W-4	9/12/2007				Insufficient Groundwater to Sample					
W-4	6/4/2008	10,600	4,870	110J	941	34.3	714	58.0	--	--
W-4	8/26/2008	11,700 ¹	15,100 ^{1,4}	1,810 ^{1,4}	1,370 ¹	20.1 ¹	750 ¹	39.5 ¹	1.21 ¹	74.4 ¹
W-4	3/24/2010	1,940	256	<385	212	16.3	139	182	<1.0	<250
W-4	8/27/2010				Insufficient Groundwater to Sample					
B-1	4/14/1993	18,000	--	--	1,300	17	450	2,200	--	--
B-1	12/15/1993	7,800	--	--	590	76	15	370	--	--
B-1	9/17/1997	475	9,980	25,500	84.6	2.63	6.43	21.8	--	--
B-1	5/1/1998	560	5,500	13,000	300	10	24	94	--	--
B-1	5/23/2000	1,800	23,000	52,000	1,000	14	170	160	--	--
B-1	5/24/2001	2,800	5,500	6,300	1,300	25	410	220	--	--
B-1	6/5/2002	86J	17,000	29,000	37	0.66J	6.6	6.9	--	--
B-1	5/29/2003	1,100J	4,700	8,300	760	26	180	65	--	--
B-1	6/15/2004	1,600	8,700	18,000	890	10	180	110	--	--
B-1	6/20/2005	550J	2,700J	5,300J	540	5.5	79	45	--	--
B-1	6/6/2006	3,300j	1,570	553	602	5.87	137	43.9	--	--
B-1	10/24/2006	3,770	884	800	363	6.65	113	26.8	--	--
B-1	3/14/2007	2,420	1,720	<185	118	4.35	188	21.3	--	--
B-1	9/12/2007	3,610	--	--	664	9.88	155	43.6	--	--
B-1	6/4/2008	2,570	2,990	7,770	355	3.54	54.7	37.3	--	--
B-1	8/27/2008	4,330 ¹	-- ¹	-- ¹	741 ¹	8.4 ¹	75.1 ¹	139 ¹	<0.42 ¹	74.4 ¹

Table 6

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
B-1	3/24/2010	1,580	105	<381	297	8.5	34.3	41.1	<1.0	<250
B-1	8/27/2010				Unable to Purge					
B-1	5/18/2011	903 J	120	<380	311 J	6.6 J	18.9 J	23.8 J	<1.0 J	--
B-1	8/17/2011	576	<76	<380	591	5.4	4.5	32	<1.0	--
B-1	2/22/2012	1,200	200	440	82.2	3.1	19.3	10.9	<1.0	--
B-1	5/9/2012	1,480	130	<380	18.5	<1.0	1	<3.0	<1.0	--
B-1	8/23/2012	606	330	890	759	5.6	6.3	26.9	<1.0	--
B-1	11/6/2012	2,140	190	140	257	<5.0	6.7	<15.0	<5.0	--
B-1	1/29/2013	310	1,700	<480	13.9	<1.0	3.2	<3.0	<1.0	--
B-1	4/30/2013	<100	<200	<200	8.3	<1.0	<1.0	<3.0	<1.0	--
B-1	8/13/2013	307	2,500	2,800	283	1.7 J	1.4	5.3	<1.0	--
B-1	11/19/2013	196 J	<400	<400	56.8	2.4	3.7	<6.0	<2.0	--
B-1	2/5/2014	226 J	<400	<400	127	<2.0	2.1	<6.0	<2.0	--
B-1	5/6/2014	<50	<50	<29	2.2	<0.22	<0.33	<0.81	<0.34	--
B-2	9/18/1997	1,980,000	74,200	7,890	11,200	10,600	1,310	22,200	--	--
B-2	4/29/1998	83,000	19,000	4,300	16,000	13,000	600	11,000	--	--
B-2	7/30/1999	66,000	18,000	<2.0	11,000	7,900	700	9,700	--	--
B-2	5/23/2000	59,000	32,000	<5.0	16,000	6,200	670	9,300	--	--
B-2	5/24/2001				LPH Encountered					
B-2	6/5/2002				LPH Encountered					
B-2	11/25/2002	60,500	13.2	<0.5	9,850	1,780	1,280	9,220	--	--
B-2	5/29/2003	59,000	36,000	2,700J	8,800	2,200	900	9,600	--	--
B-2	6/15/2004	57,000	68,000	<9,700	8,700	510	1,300	8,700	--	--
B-2	6/20/2005				LPH Encountered					
B-2	6/6/2006				LPH Encountered					
B-2	10/23/2006	47,000	10,700	<180	7,120	179	289	5,280	--	--
B-2	3/14/2007	40,700	11,900	<370	7,740	138	280	6,150	--	--
B-2	9/11/2007	35,600	8,190	<103	7,760	71.1	635	4,670	--	--
B-2	6/4/2008	30,300	5,450	369J	5,980	45.8	539	3,240	--	--
B-2	8/27/2008	22,200 ¹	4,820 ^{1,3}	<100 ^{1,7}	4,280 ¹	47.8 ¹	243 ¹	2,270 ¹	4.1 ¹	<74.4 ¹
B-2 (DUP)	8/27/2008	22,100	3,340	129J	4,030	42.2	277	2,360	--	--
B-2	3/24/2010	32,000	2,430	<385	5,190	33.8	203	2,810	6.3	<250
B-2	8/27/2010	12,300	3,240	<396	5,250 E	47.4	284	2,110	10.2	<250
B-2	2/10/2011	13,800	3200J	<377	5,010	29	269	1,450	9	--
B-2	5/18/2011	16,500	--	--	4,830	27.8	258	1,000	17.3	--
B-2	8/16/2011	16,900 J	1,300	<380	5,800 J	25.2	254 J	909 J	16.6	--
B-2	3/1/2012	11,700	1,800	<380	1,400	7.8	78.8	499	4.6	--
B-2	8/27/2012	9,450 ¹⁰	1,600	<380	6,440	21.5	306	882	12.4	--
B-2	2/4/2013	5,150	2,400	<420	1,420	<10.0	70.3	222	<10.0	--
B-2	8/21/2013	9,000	3,700	<420	7,670 J	18.5 J	286 J	293 J	14.7 J	--
B-2	2/6/2014	8,820	2,500	<400	4,850	<20.0	216	205	<20.0	--
B-3	5/24/2001				LPH Encountered					
B-3	6/5/2002				LPH Encountered					
B-3	11/25/2002	--	--	--	--	--	--	--	--	--
B-3	5/27/2003				LPH Encountered					
B-3	6/15/2004				LPH Encountered					
B-3	6/20/2005				LPH Encountered					
B-3	6/6/2006				LPH Encountered					
B-3	10/23/2006				LPH Encountered					
B-3	3/14/2007				LPH Encountered					
B-3	9/11/2007				LPH Encountered					
B-3A	6/4/2008	200,000	8,410	275J	40,800	38,800	2,840	16,400	--	--
B-3A	8/27/2008	171,000 ¹	11,200 ^{1,3}	790 ¹	47,500 ¹	34,000 ¹	2,470 ¹	15,800 ¹	93.6 ¹	<74.4 ¹
B-3A	3/24/2010	153,000	9,850	<381	42,000	48,000	3,400	20,300	94.2	<250
B-3A	8/25/2010				LPH Encountered					
B-3A	5/18/2011	155,000 J	2,300	<380	30,300 J	29,000 J	2,410 J	14,900 J	60 J	--
B-3A	8/15/2011	117,000	1,300	<380	41,400	29,800	2,090	11,500	70 J	--
B-3A	2/28/2012	153,000 J	10,000	1,600	32,900 J	33,500	4,010 J	17,300 J	67.2 J	--
B-3A	8/29/2012	114,000 ¹⁰	2,700	<380	19,100	19,800	2,030	12,100	63.5	--
B-3A	2/4/2013	141,000	5,500	<420	32,400	32,100	2,260	14,800	<100	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES		
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --	
B-3A	8/13/2013	175,000	10,000	890	23,200	19,400	1,730	11,200	<200	--	
B-3A	2/5/2014	200,000	3,200	<400	28,400	28,300	2,790	18,400	<50.0	--	
B-3A	11/18/2016	88,200	9,500	<380	30,600	7,000	2,700	18,500	---	---	
B-3A	5/25/2017	108,000	5,900	<400	28,600	2,980	2,760	20,500	---	---	
B-3A	12/14/2017	71,000	14,400 J	<400 J	11,100	326	751	19,100	---	---	
B-3A	3/1/2018	81,300	31,200	700	6,140	247	727	15,000	---	---	
B-4	9/18/1997	1,170,000	99,600	<20,500	2,590	8,520	4,340	26,600	--	--	
B-4	7/29/1999	70,000	90,000	<20,000	1,800	1,600	2,300	13,000	--	--	
B-4	5/23/2000	76,000	51,000	<20,000	1,500	3,500	2,600	13,000	--	--	
B-4	5/23/2001	52,000	49,000	<20,000	600	2,300	2,500	10,000	--	--	
B-4	6/5/2002				LPH Encountered						
B-4	11/25/2002	41,700	5.46	<0.5	519	295	2,180	10,500	--	--	
B-4	5/29/2003	38,000	34,000	5,200J	280	570	1,400	5,900	--	--	
B-4	6/15/2004				LPH Encountered						
B-4	6/20/2005				LPH Encountered						
B-4	6/6/2006				LPH Encountered						
B-4	10/23/2006				LPH Encountered						
B-4	3/14/2007				LPH Encountered						
B-4	9/11/2007	22,100	3,460	48.5J	543	67.9	1,520	3,640	--	--	
B-4	6/3/2008	30,200	3,560	217	336	258	1,260	4,590	--	--	
B-4	8/27/2008	25,200 ¹	3,450 ^{1,3}	199 ¹	604 ¹	192 ¹	1,130 ¹	4,630 ¹	<0.42 ¹	<74.4 ¹	
B-4	3/22/2010				LPH Encountered						
B-4	8/25/2010				LPH Encountered						
B-4	5/18/2011	33,100	3,900	520	357	164	1450	2,270	<1.0	--	
B-4	8/16/2011	19,800	7,000	670	397	114	1,060	1,440	<1.0	--	
B-4	2/23/2012	7,310	1,500	<380	159	10.9	169	544	<1.0	--	
B-4	8/29/2012	14,600 ¹⁰	1,300	<400	240	80.2	470	1,230	<1.0	--	
B-4 (DUP)	8/29/2012	14,500 ¹⁰	7,400	1,400	226	54.6	423	1,090	<1.0	--	
B-4	2/4/2013	9,210	5,800	430	322	17.6	470	363	<5.0	--	
B-4	8/21/2013	19,300	5,500	450	466 J	51 J	1,010 J	1,510 J	<5.0 J	--	
B-4	2/11/2014	17,200	3,800	<400	110 J	8.6 J	218 J	229 J	<1.0	--	
B-4	11/17/2016	7,270	7,100	<360	213	<10.0	288	<30.0	---	---	
B-4	12/14/2017	4,600	28,500	1,200	12.5	1.3	117	6.3	---	---	
B-4	3/1/2018	2,780	13,500	540	34.5	<1.0	90.7	5.3	---	---	
B-4	8/29/2018	4,870	10,600	810	133	5.4	164	6.7	---	---	
B-5	9/17/1997	38,900	28,100	8,980	2,810	3,750	631	5,180	--	--	
B-5	4/29/1998	28,000	81,000	17,000	1,600	1,100	460	4,600	--	--	
B-5	7/29/1999	21,000	18,000	<2,000	1,200	240	330	2,600	--	--	
B-5	5/23/2000	11,000	15,000	4,000J	690	59	230	960	--	--	
B-5	5/23/2001	10,000	13,000	3,500J	2,000	120	320	2,100	--	--	
B-5	6/5/2002	4,300	16,000	4,800J	940	23	230	560	--	--	
B-5	11/25/2002	2,270	1.06	<0.5	126	4.31	37.4	67.4	--	--	
B-5	5/29/2003	3,300	4,300	1,600J	440	26	260	260	--	--	
B-5	6/15/2004	2,600	100,000	25,000	830	23	110	310	--	--	
B-5	6/22/2005	980J	36,000	17,000J	630	6.7	70	140	--	--	
B-5	6/6/2006	4,540j	2,860	271u	944	14.4	214	507	--	--	
B-5	10/23/2006	9,010	6,440	605	1,950	23.8	372	904	--	--	
B-5	3/14/2007	11,000	3,100	339	1,790	21.4	494	909	--	--	
B-5 (DUP)	3/14/2007	10,500	3,500	475	1,920	21.5	497	914	--	--	
B-5	9/11/07	2,740	5,580	1,530	689	9.89	72.2	191	--	--	
B-5	6/3/2008	12,400	2,640	648	2,480	24.8	311	656	--	--	
B-5	8/27/2008	6,990 ¹	5,700 ^{1,4}	909 ¹	1,330 ¹	14.2 ¹	103 ¹	180 ¹	<0.42 ¹	<74.4 ¹	
B-5	3/24/2010	8,510	2,260	<381	1,740	34.3	1,720	530	1.8	<250	
B-5	8/25/2010				LPH Encountered						
B-5	8/16/2011	10,400	7,300	850	1,240	21.1	815	171	<1.0	--	
B-5	2/29/2012	17,700	20,000	1,700	2,720	23.3	1,440	261	<1.0	--	
B-5	9/5/2012	9,590 ¹⁰	22,200	1,700	772	7.3	149	71.4	<1.0	--	
B-5	2/4/2013	4,480	2,100	<440	596	<5.0	72	19.1	<5.0	--	
B-5	8/21/2013	4,520	4,800	630	318 J	<5.0 J	67.1 J	<15.0 J	<5.0 J	--	
B-5	2/6/2014	4,850	7,900	1,000	442	<5.0	88	<15.0	<5.0	--	

Table 6

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
B-6	5/17/1996	--	--	1,230	6.86	6.6	2.19	13.1	--	--
B-6	9/17/1997	194,000	102,000	61,700	2,850	7,070	1,270	7,860	--	--
B-6	4/29/1998	160,000	51,000	6,900	7,500	16,000	2,600	18,000	--	--
B-6	7/29/1999	97,000	23,000	<10,000	8,300	13,000	2,200	13,000	--	--
B-6	5/24/2001	69,000	44,000	25,000	6,900	4,300	980	7,200	--	--
B-6	6/5/2002	LPH Encountered								
B-6	11/26/2002	43,000	5.31	2.51	5,230	5,410	525	5,460	--	--
B-6 (DUP)	11/26/2002	43,500	7.04	3.63	4,850	5,010	464	5,430	--	--
B-6	5/29/2003	35,000	7,700	4,500J	4,600	4,000	450	4,800	--	--
B-6	6/15/2004	48,000	210,000	100,000	5,900	8,500	760	6,400	--	--
B-6	6/22/2005	22,000	100,000	45,000	3,800	3,600	200	2,200	--	--
B-6	6/6/2006	33,500	5,420	528	2,540	4,560	664	4,590	--	--
B-6	10/23/2006	37,400	7,050	371J	2,660	5,280	566	4,650	--	--
B-6	3/14/2007	41,200	4,740	532	1,780	5,230	603	7,220	--	--
B-6	9/11/2007	38,900	6,270	1,030	2,560	3,370	494	5,460	--	--
B-6	6/4/2008	52,000	7,350	4,460	5,320	8,210	483	7,740	--	--
B-6	8/27/2008	37,600 ¹	14,800 ^{1,3}	17,400 ^{1,2}	3,670 ¹	6,140 ¹	604 ¹	4,820 ¹	0.77 ¹	<74.4 ¹
B-6	3/23/2010	60,000	1,380	<381	8,200	10,200	1,300	10,600	4.1	<250
B-6	8/27/2010	49,400	2,710	528	4,800	7,280	1,140	8,490	<1.0	<250
B-6	2/10/2011	63,900	3,050	1,020	2,310	4,700	717	6,410	<1.0	--
B-6	5/24/2011	78,000	1,500	<390	6,000	9,030	1,900	10,800	<1.0	--
B-6	8/15/2011	38,100	3,000	1,800	6,280 J	5,830 J	740 J	4,580 J	3	--
B-6	11/23/2011	61,100	3,100	1,400	1,300	3,560	1,430	9,180	<1.0	--
B-6	2/29/2012	45,200	1,700	850	7,120	10,400	1,830	13,500	<1.0	--
B-6	5/10/2012	39,600	2,500	810	4,250	5,190	670	8,410	<50.0	--
B-6	8/27/2012	39,200 ¹⁰	1,500	430	5,080	4,060	671	7,380	2.1	--
B-6	11/16/2012	28,300	6,600	2,000	1,930	924	201	6,340	<20	--
B-6	2/7/2013	29,600	7,800	<450	1,900	1,080	224	6,000	<20.0	--
B-6	4/30/2013	28,000	510	<200	2,150	1,550	302	6,570	<25.0	--
B-6	8/20/2013	19,900	2,600	910	1,900	359	171	3,970	<10.0	--
B-6 (DUP)	8/20/2013	19,500	2,000	640 J	1,770	356	133	3,690	<20.0	--
B-6	11/19/2013	30,400	1,300	<400	6,490 J	1,920	319	5,820	<10.0	--
B-6	2/11/2014	28,600	1,100	440	3,390	1,740	298	5,770	<10.0	--
B-6	5/1/2014	26,800	1,200	2,200	3,590	1,280	321	5,630	<1.7	--
B-6	11/17/2016	28,800	2,900	1,200	6,790	59.7	1,440	4,770	---	---
B-6	5/25/2017	16,000	1,700	530	3,690	19.5	816	2,280	---	---
B-6	12/14/2017	2,540	2,000	470	414	<5.0	111	83.7	---	---
B-6	3/1/2018	2,230	1,400	<390	289	3.1	119	111	---	---
B-6	8/29/2018	4,480	4,600	1,500	886	9.5	242	77.1	---	---
D-1	4/14/1993	190	--	--	200	0.62	13	1.2	--	--
D-1	12/15/1993	83	--	--	7.1	<0.50	<0.50	1.3	--	--
D-1	11/4/1994	52	--	--	2	<0.50	<0.50	<1.0	--	--
D-1	11/26/2002	185	0.434	1.01	<0.5	1.12	<0.5	2.16	--	--
Undocumented - Well Was Abandoned										
D-1R	11/17/2011	192	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	2/21/2012	436	77	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	5/11/2012	176	130	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	8/31/2012	224	80	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	11/9/2012	<100	<130	<110	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	2/1/2013	220	<450	<450	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	4/30/2013	262	<200	<200	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	8/20/2013	226	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	11/19/2013	199	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	2/7/2014	388	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	5/1/2014	460	<48	<28	<0.15	<0.11	<0.16	<0.40	<0.17	--
D-1R	8/12/2014	324	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	11/25/2014	196	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R (DUP)	11/25/2014	196	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	2/13/2015	341	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	---
D-1R	11/16/2016	319	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
D-1R	2/16/2017	279	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---

Table 6

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES			
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol		
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--		
D-1R	5/24/2017	541	<530	<530	<1.0	<1.0	<1.0	<3.0	---	---		
D-1R	9/28/2017	683	<430	<430	<1.0	<1.0	<1.0	<3.0	---	---		
D-1R	12/14/2017	593	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---		
D-1R	3/1/2018	690 J	450	<370	<1.0 J	<1.0 J	<1.0 J	<3.0 J	---	---		
D-1R	6/27/2018	818	630	<420	<1.0	<1.0	<1.0	<3.0	---	---		
D-1R	8/28/2018	651	470	<390	<1.0	<1.0	<1.0	<3.0	---	---		
D-1R	12/19/2018	539	<430	<430	<1.0	<1.0	<1.0	<3.0	---	---		
D-1R (DUP)	12/19/2018	585	<430	<430	<1.0	<1.0	<1.0	<3.0	---	---		
D-1R	3/14/2019	778	<430	<430	<1.0	<1.0	<1.0	<3.0	---	---		
D-1R	9/25/2019	345	<417	<417	<1.0	<1.0	<1.0	<3.0	---	---		
D-2	11/4/1994	<50	--	--	3.0	<0.50	<0.50	<1.0	--	--		
D-2					Undocumented - Well Was Abandoned							
D-4	11/4/1994	450	--	--	<0.50	2.1	0.78	4.7	--	--		
D-4	6/21/2005				Insufficient Groundwater to Sample							
D-4	6/7/2006	101	2,760	2,840	<0.290	<0.280	<0.340	<0.820	--	--		
D-4	3/15/2007	92.3J	--	--	0.430J	0.460J	0.430J	0.750J	--	--		
D-4	9/11/2007				Insufficient Groundwater to Sample							
D-4	6/2/2008				Insufficient Groundwater to Sample							
D-4	8/26/2008	76.2 ¹	268 ^{1,5}	441 ^{1,5}	<0.27 ¹	1.6 ¹	0.58 ¹	1.45 ¹	<0.42 ¹	<74.4 ¹		
D-4	3/23/2010				Insufficient Groundwater to Sample							
D-4	8/25/2010				Insufficient Groundwater to Sample							
D-4	5/26/2011	<50.0	1,400	1,800	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-4R	11/15/2011	<50.0 J	<76	<380	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--		
D-4R	2/22/2012	<50.0	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-4R	5/9/2012	<100	110	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-4R	8/23/2012	<50.0	<79	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-4R	11/6/2012	<100	<110	<110	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-4R	1/29/2013	<100	<450	<450	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-4R (DUP)	1/29/2013	<100	<450	<450	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-4R	4/29/2013	<100	<200	<200	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-4R	8/13/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-4R	11/18/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-4R	2/4/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-4R	4/28/2014	129	48	<28	<0.15	<0.11	<0.16	<0.40	<0.17	--		
D-4R	11/16/2016	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---		
D-4R	2/16/2017	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---		
D-4R	5/24/2017	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---		
D-4R	9/27/2017	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	---	---		
D-4R	12/13/2017	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---		
D-4R	3/1/2018	<100	<370	<370	<1.0	<1.0	<1.0	<3.0	---	---		
D-4R	6/27/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---		
D-4R	8/29/2018	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---		
D-4R	12/19/2018	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---		
D-5	12/15/1993	260	--	--	14	<0.50	1.7	2.1	--	--		
D-5	11/4/1994	170	--	--	15	3	<0.50	4	--	--		
D-5	9/11/2007				Insufficient Groundwater to Sample							
D-5	6/2/2008				Insufficient Groundwater to Sample							
D-5	8/25/2008				Insufficient Groundwater to Sample							
D-5	3/23/2010				Insufficient Groundwater to Sample							
D-5	8/25/2010				Insufficient Groundwater to Sample							
D-5R	11/15/2011	160	<77	<380	1	1.4	<1.0	4.6	<1.0	--		
D-5R	2/22/2012	74.4 J	<77	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-5R	5/9/2012	380	96	<410	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-5R	8/23/2012	55.2	<82	<410	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-5R	11/6/2012	427	<110	<110	<1.0	<1.0	<1.0	1.0	<1.0	--		
D-5R	1/29/2013	128	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-5R	4/29/2013	<100	<200	<200	<1.0	<1.0	<1.0	<3.0	<1.0	--		
D-5R	8/13/2013	103	<410	<410	<1.0	<1.0	<1.0	<3.0	<1.0	--		

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
D-5R	11/18/2013	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-5R (DUP)	11/18/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-5R	2/4/2014	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-5R	4/28/2014	<50	48	<28	<0.15	<0.11	<0.16	<0.40	<0.17	--
D-5R	11/17/2016	136	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
D-5R	11/17/2016	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	---	---
D-5R	2/16/2017	<100	<360	<360	8.2	<1.0	<1.0	<3.0	---	---
D-5R	5/24/2017	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	---	---
D-5R	9/27/2017	253	<410	<410	<1.0 J	<1.0 J	<1.0 J	<3.0 J	---	---
D-5R	12/13/2017	191	<480	<480	<1.0	<1.0	<1.0	<3.0	---	---
D-5R	2/28/2018	<100	<380	<380	<1.0 J	<1.0 J	<1.0 J	<3.0 J	---	---
D-5R	6/27/2018	149	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---
D-5R (DUP)	6/27/2018	142	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
D-5R	8/29/2018	306	<390	<390	<1.0	<1.0	<1.0	4.1	---	---
D-5R (DUP)	8/29/2018	296	<440	<440	<1.0	<1.0	<1.0	4.2	---	---
D-5R	12/18/2018	168	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
D-6	4/30/1998	<50	14,000	86,000	11	2	0.2	1.4	--	--
D-6	5/23/2000	59J	<2,000	<5,000	200	5.6	1.0J	3.6	--	--
D-6	5/23/2001	10J	1,400	3,800	200	9.1	4.2	5.2	--	--
D-6	6/5/2002	87J	900	2,600	120	9.6	2.3	5.8	--	--
D-6	11/26/2002	385	<0.25	<0.5	121	10.7	1.20	5.59	--	--
D-6	5/27/2003	<48	7,600J	37,000	7.2	1.1	0.3J	0.9J	--	--
D-6	6/15/2004	59J	1,300J	5,800	78.0	4.3	1.7	3.6	--	--
D-6	6/22/2005	160J	3,700	4,000J	130	14.0	2.5	8.4	--	--
D-6	6/7/2006	342	1,580	1,050	22.2	0.960J	0.580J	<0.820	--	--
D-6	10/23/2006	445	1,490	4,160	111	19.0	4.97	22.7	--	--
D-6	3/14/2007	487	792	604	150	3.32	2.24	3.12	--	--
D-6	9/11/2007	425	--	--	160	6.32	2.56	5.78	--	--
D-6	6/3/2008	497	391	520	100	2.38	0.620J	1.64J	--	--
D-6	8/27/2008	559 ¹	1,840 ^{1,2}	4,810 ^{1,3}	145 ^{1,6}	4.09 ¹	1.65 ¹	3.62 ¹	0.6 ¹	<74.4 ¹
D-6	3/23/2010	<79.5	<76.2	<381	268	4.3	1.8	<3.0	<1.0	<250
D-6	8/27/2010	71.4	<78.4	<392	144	4.1	1.6	<3.0	<1.0	<250
D-6	2/10/2011	50	89.1	<385	91	1.8	<1.0	<3.0	<1.0	--
D-6	5/25/2011	<50.0	250	1,300	13	<1.0	<1.0	<3.0	<1.0	--
D-6	8/16/2011	<50.0	<76	<380	42.5	1.2	<1.0	<3.0	<1.0	--
D-6	11/22/2011	<50.0	<76	<380	29.5	<1.0	<1.0	<3.0	<1.0	--
D-6	3/1/2012	<50.0	<77	<380	21.9	<1.0	<1.0	<3.0	<1.0	--
D-6	5/10/2012	139	95	<380	28.2	<1.0	<1.0	<3.0	<1.0	--
D-6 (DUP)	5/10/2012	141	<120	<620	25.3	<1.0	<1.0	<3.0	<1.0	--
D-6	8/27/2012	75.2	<84	<420	17.0	2.1	1.4	8.8	<1.0	--
D-6	11/12/2012	<100	<110	<110	14.3J	<1.0	<1.0	<3.0	<1.0	--
D-6 (DUP)	11/12/2012	<100	<120	<120	15.3	<1.0	<1.0	<3.0	<1.0	--
D-6	2/1/2013	<100	<420	<420	2.5	<1.0	<1.0	<3.0	<1.0	--
D-6	8/20/2013	<100	<420	<420	7.1	<1.0	<1.0	<3.0	<1.0	--
D-6	11/19/2013	<100	<400	<400	4.9	<1.0	<1.0	<3.0	<1.0	--
D-6	2/11/2014	<100	<400	530	1.7	<1.0	<1.0	<3.0	<1.0	--
D-6	5/1/2014	<50	<52	890	1.6	<0.11	<0.16	<0.40	<0.17	--
D-7	4/14/1993	77	--	--	1,300	21	420	2,200	--	--
D-7	11/4/1994	210	--	--	88	2.1	4.7	13	--	--
D-7	9/17/1997	453	7,990	22,400	150	13.5	7.04	35.5	--	--
D-7	4/30/1998	170	3,300	6,200	63	5.0	0.9	7	--	--
D-7	5/23/2000	120J	4,600J	19,000	480	7.2	1.6	13	--	--
D-7	5/23/2001	130J	4,100J	17,000	410	8.7	1.6	18	--	--
D-7	6/4/2002	70J	9,300	31,000	180	6.7	0.72J	8.1	--	--
D-7	11/26/2002	<50	0.435	1.26	2.82	0.614	<0.5	1.12	--	--
D-7	6/15/2004	88J	15,000	51,000	190	18.0	0.5J	3.8	--	--
D-7	6/22/2005	140J	11,000	36,000	83	5.7	0.9J	9.0	--	--
D-7	6/7/2006	281	3,760	9,490	70.4	2.94	<0.340	<0.820	--	--
D-7	10/24/2006	56.2Ju	913J	37,200	6.98	0.630J	<0.230	<0.440	--	--
D-7	3/14/2007	76.3J	762	2,830	5.57	0.580 J	<0.420	<0.450	--	--
D-7	9/12/2007	70.7J	897	3,130	10.6	1.39	<0.420	<0.450	--	--

Table 6

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
D-7	6/3/2008	452	1,760	3,220	33.4	0.470J	<0.240	2.33J	--	--
D-7	8/27/2008	762 ¹	-- ¹	-- ¹	96.6 ¹	4.96 ¹	1.04 ¹	7.08 ¹	<0.42 ¹	<74.4 ¹
D-7	3/23/2010	176	<76.2	<381	278	5.4	1.1	10.3	<1.0	<250
D-7	8/27/2010	84.2	--	--	156	1.1	<1.0	6.8	<1.0	<250
D-7	2/9/2011	65.7	554	3,470	20.2	2	<1.0	<3.0	<1.0	--
D-7	8/16/2011	<50.0	200	1,500	75	<1.0	<1.0	<3.0	<1.0	--
D-7	2/22/2012	<50.0	<77	<380	3.1	<1.0	<1.0	<3.0	<1.0	--
D-7	8/27/2012	109	2,100	10,600	150	3.6	2.0	12.8	<1.0	--
D-7	2/1/2013	<100	<450	<450	60.1	1.1	<1.0	3.2	<1.0	--
D-7	8/20/2013	<100	880	570	142	2.6 J	<1.0	<3.0	<1.0	--
D-7	2/6/2014	116 J	3,800	24,900	260	4.7	<2.0	8.7	<2.0	--
HA-1	4/14/1993	80	--	--	<0.50	<0.50	<0.50	<1.0	--	--
HA-1	12/15/1993	<50	--	--	<0.50	<0.50	<0.50	<1.0	--	--
HA-1	11/4/1994	<50	--	--	<0.50	1.3	0.61	2.2	--	--
HA-1	9/17/1997	<50	<250	<500	<0.50	<0.50	<0.50	<1.0	--	--
HA-1	4/29/1998	<50	110	540	<0.20	0.4	<0.20	1.2	--	--
HA-1	5/24/2000	100J	320	370J	0.29J	<0.20	0.71J	2.4J	--	--
HA-1	5/23/2001	<48	<80	<200	<0.2	<0.2	<0.2	<0.60	--	--
HA-1	6/4/2002	<48	<77	<97	<0.20	0.35J	<0.20	<0.60	--	--
HA-1	11/26/2002	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
HA-1	6/15/2004	<48	<80	<100	<0.2	<0.2	<0.2	<0.6	--	--
HA-1	6/22/2005	<48	<77	<97	<0.2	<0.2	<0.2	<0.6	--	--
HA-1	6/7/2006	<40	<35.8	92.7J	<0.290	<0.280	<0.340	<0.820	--	--
HA-1 (DUP)	6/7/2006	<40	<36.2	125	<0.290	<0.280	<0.340	<0.820	--	--
HA-1	10/24/2006	10.9Ju	877	1,090	<0.310	<0.220	<0.230	<0.440	--	--
HA-1	3/14/2007	47.8J	48.3J	<35.6	0.400J	0.700J	<0.420	1.76J	--	--
HA-1	9/12/2007	<43.0	<19.6	27.2J	0.520J	<0.420	<0.420	1.17J	--	--
HA-1	6/3/2008	<43.0	<19.0	25.9J	<0.270	<0.280	<0.240	<0.860	--	--
HA-1	8/26/2008	<43 ¹	48.6 ¹	62.3 ¹	0.58 ¹	<0.28 ¹	<0.24 ¹	1.14 ¹	<0.42 ¹	75.2 ¹
HA-1	3/23/2010	<50.0	<75.8	<379	<1.0	<1.0	<1.0	<3.0	<1.0	<250
HA-1	8/27/2010	858	--	--	44.6	41.8	16.1	150	<1.0	<250
HA-1	2/9/2011	<50.0	<75.5	<377	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-1	5/18/2011	<50.0 J	<75.5	<380	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
HA-1	8/17/2011	<50.0	<160	<820	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-1	2/28/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-1	5/15/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-1	8/31/2012	<50.0	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-1	11/12/2012	<100	<110	<110	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-1	2/7/2013	<100	<460	<460	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-1	5/2/2013	<100	<200	<200	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-1	8/23/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-1	11/21/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-1	2/12/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-1	5/7/2014	<50	<48	<28	<0.15	<0.11	<0.16	<0.40	<0.17	--
HA-2	4/14/1993	160,000	--	--	7,900	30,000	2,900	17,000	--	--
HA-2	12/15/1993	90,000	--	--	1,200	860	3,000	15,000	--	--
HA-2	11/4/1994	1,800,000	--	--	1,700	13,000	8,900	57,000	--	--
HA-2	9/18/1997	16,500	13,500	<500	1,820	648	204	1,590	--	--
HA-2	4/30/1998	65,000	12,000	3,000	9,400	11,000	1,100	7,900	--	--
HA-2	7/30/1999	67,000	76,000	<10,000	10,000	8,700	1,200	10,000	--	--
HA-2	5/23/2000	69,000	71,000	<25,000	12,000	7,300	1,700	11,000	--	--
HA-2	5/23/2001	36,000	28,000	<4,000	8,100	2,100	910	5,200	--	--
HA-2	6/4/2002	81,000	68,000	<9,800	12,000	12,000	1,700	14,000	--	--
HA-2	5/27/2003	99,000	33,000	3,000J	9,200	5,800	1,800	14,000	--	--
HA-2	6/16/2004	31,000	--	--	5,800	980	690	4,500	--	--
HA-2	6/21/2005	35,000	290,000	<20,000	4,700	2,700	440	4,000	--	--
HA-2	6/6/2006	60,200	9,720	313Ju	7,710	5,560	874	10,200	--	--
HA-2	10/24/2006	31,700	--	--	4,890	1,480	794	5,610	--	--
HA-2	3/15/2007	73,600	14,900	534J	9,840	8,540	1,210	14,800	--	--
HA-2	9/12/2007	52,000	--	--	11,000	2,400	2,400	8,340	--	--
HA-2	6/4/2008	81,600	6,290	283J	8,440	5,060	2,080	11,400	--	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
HA-2	8/27/2008	60,400 ¹	-- ¹	-- ¹	11,600 ¹	4,810 ¹	3,100 ¹	9,480 ¹	<0.42 ¹	<74.4 ¹
HA-2	3/25/2010	55,500	4,650	<385	10,200	2,900	3,460	16,100	<1.0	<250
HA-2	8/25/2010	44,100	--	--	8,190	921	2,700	9,660	<1.0	<250
HA-2	2/8/2011	62,000	1,720	<379	7,130	1,560	1,980	9,990	<1.0	--
HA-2	5/17/2011	48,200 J	1,400	<380	6,710 J	853 J	2,090 J	8,850 J	<1.0 J	--
HA-2	8/11/2011	45,300	5,600	<930	7,600	1,130	2,050	6,720	<1.0	--
HA-2	11/18/2011	3,670	--	--	5,980	905	1,990	4,850	<1.0	--
HA-2	2/24/2012	142,000	2,800	<420	17,500	3,600	2,250	30,700	<10.0	--
HA-2	5/15/2012	93,000	5,100	460	6,490	2,780	2,230	14,000	<1.0	--
HA-2	8/29/2012	43,900 ¹⁰	--	--	6,000	1,360	2,300	6,960	<1.0	--
HA-2	11/13/2012	43,200	5,100	660	7,280	2,190	2,290	9,400	<50.0	--
HA-2	2/7/2013	63,700	5,300	<430	5,920	2,810	2,230	13,300	<50.0	--
HA-2	5/2/2013	73,700	3,400	470	5,760	2,480	2,700	15,000	<50.0	--
HA-2	8/23/2013	56,400	1,700	<480	5,210	1,040	2,210	6,670	<50.0	--
HA-2	11/21/2013	57,100	2,200 J	<400	5,440	1,010	2,460	8,710	<50.0	--
HA-2	2/10/2014	72,400	3,000	650	5,050	802	2,500	12,300	<50.0	--
HA-2	5/2/2014	67,000	1,800	<29	4,850	794	2,690	14,400	<8.4	--
HA-3	4/14/1993	770	--	--	73	12	6.2	37	--	--
HA-3	12/15/1993	140	--	--	19	0.58	1.5	3.8	--	--
HA-3	11/4/1994	380	--	--	26	6.0	2.0	8.7	--	--
HA-3	9/18/1997	<50	2,350	1,280	<0.50	<0.50	<0.50	<1.0	--	--
HA-3	4/30/1998	310	1,200	1,400	84	9.0	2.0	7.0	--	--
HA-3	5/23/2000	480	590	1,100	87	8.1	2.2	7.4	--	--
HA-3	5/23/2001	330	--	--	37	0.63J	0.42J	3.5	--	--
HA-3	6/4/2002	480	5,900	710J	120	16.0	4.2	23.0	--	--
HA-3	5/27/2003	<24	--	--	230	4.6J	3.8J	8.9J	--	--
HA-3	6/22/2005	63J	--	--	140	0.7J	1.4	3.9	--	--
HA-3	6/7/2006	531	755	470	80.8	6.59	0.620J	0.880J	--	--
HA-3	3/15/2007	3,400	1,050	547	569	7.16	6.50	12.4	--	--
HA-3	9/12/2007	Insufficient Groundwater to Sample								
HA-3	6/2/2008	Insufficient Groundwater to Sample								
HA-3	8/25/2008	Insufficient Groundwater to Sample								
HA-3	3/25/2010	Insufficient Groundwater to Sample								
HA-3	8/25/2010	383	--	--	569 CO,E	11.4	13.5	41.6	<1.0	<250
HA-3	2/9/2011	238	591	<851	113	2.1	2.4	8.3	<1.0	--
HA-3	5/17/2011	145 J	<480	<2400	121 J	2.2 J	2.2 J	7.2 J	<1.0 J	--
HA-3	8/11/2011	124	--	--	245	3.2	3.2	6.2	<1.0	--
HA-3	11/18/2011	51.4 J	<120	<590	20.6 J	<1.0 J	<1.0 J	3.1 J	<1.0 J	--
HA-3	2/24/2012	<50.0	<83	<420	1.1	<1.0	<1.0	<3.0	<1.0	--
HA-3	5/16/2012	152	<130	<630	8.8	3	2.4	16.8	<1.0	--
HA-3	8/29/2012	138	--	--	111	10.3	3.7	11.4	<1.0	--
HA-3	11/13/2012	1,880	<130	<130	2.0	6.3	<1.0	<3.0	<1.0	--
HA-3	2/7/2013	272	<430	<430	9.4	60.2	1.7	9.7	<1.0	--
HA-3	5/2/2013	149	<200	230	16.8	19	1.4	6.9	<1.0	--
HA-3	8/23/2013	<200	<400	<400	201	7.2 J	<5.0	<15.0	<5.0	--
HA-3	11/21/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-3	2/10/2014	315	<400	<400	4.5 J	5.3 J	10.2 J	67.8 J	<1.0 J	--
HA-3	5/2/2014	149	<50	<29	3.6	<0.22	4.2	24.7	<0.34	--
HA-4	4/14/1993	230	--	--	<0.50	1.7	4.5	12	--	--
HA-4	12/15/1993	<50	--	--	<0.50	<0.50	<0.50	<1.0	--	--
HA-4	11/4/1994	<50	--	--	<0.50	<0.50	<0.50	<1.0	--	--
HA-4	9/18/1997	3,980	610	797	193	280	68.6	503	--	--
HA-4	4/30/1998	<250	530	1,600	<1.0	<1.0	<1.0	<3.0	--	--
HA-4	5/23/2000	<48	420J	1,500	<0.2	<0.2	<0.2	<0.6	--	--
HA-4	5/23/2001	<48	550	1,900	<0.2	7.60	<0.2	<0.6	--	--
HA-4	6/4/2002	<48	230J	270J	0.22J	0.33J	<0.2	1.1J	--	--
HA-4	5/27/2003	<48	410	720	<0.2	2.3	<0.2	<0.6	--	--
HA-4	6/16/2004	70J	470	590J	<0.2	4.7	<0.2	<0.6	--	--
HA-4	6/22/2005	<48	560	1,000	<0.2	0.6J	<0.2	1.0J	--	--
HA-4	10/24/2006	275	325	672	60.6	21.0	2.92	19.2	--	--
HA-4	3/15/2007	66.5J	519	155	<0.330	<0.420	<0.420	<0.450	--	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
HA-4	9/12/2007	84.9J	--	--	<0.330	<0.420	<0.420	0.770J	--	--
HA-4	6/4/2008	131	94.0J	204	0.920J	2.95	1.65	7.44	--	--
HA-4	8/26/2008	<43 ¹	188 ^{1,2}	421 ^{1,2}	<0.27 ¹	<0.28 ¹	<0.24 ¹	<0.86 ¹	<0.42 ¹	<74.4 ¹
HA-4	3/25/2010	Insufficient Groundwater to Sample								
HA-4	8/25/2010	<50.0	--	--	1.6	<1.0	<1.0	<3.0	<1.0	<250
HA-4	2/8/2011	61.8	114	<404	1.4	1.3	1.8	14.7	<1.0	--
HA-4	5/17/2011	<50.0 J	<77.0	<380	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
HA-4	8/11/2011	<50.0	--	--	--	--	--	--	--	--
HA-4	11/18/2011	<50.0	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-4	2/24/2012	<50.0	<77	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-4	5/16/2012	215	<85	<430	<1.0	49.7	<1.0	<3.0	<1.0	--
HA-4	8/29/2012	<50.0	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-4	11/15/2012	<100	<110	<110	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-4	2/7/2013	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-4	5/2/2013	121	<200	210	<1.0	43.7	<1.0	<3.0	<1.0	--
HA-4	8/23/2013	<100	<400	<400	<1.0	3.7 J	<1.0	<3.0	<1.0	--
HA-4	11/21/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-4	2/10/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-4	5/7/2014	963	<28	<48	<0.30	297	<0.33	<0.81	<0.34	--
HA-5	4/14/1993	3,500	--	--	22	2.2	84	210	--	--
HA-5	12/15/1993	710	--	--	17	18	1.2	38	--	--
HA-5	11/4/1994	250	--	--	14	1.5	1.6	2.9	--	--
HA-5	9/18/1997	349	1,790	969	18.50	2.45	1.89	6.8	--	--
HA-5	5/1/1998	950	640	840	15	3	7	5	--	--
HA-5	7/29/1999	480	240J	<200	17	3	0.4J	9	--	--
HA-5	5/23/2000	410	380	630	9.1	2.6	2	5.5	--	--
HA-5	5/22/2001	480	290	<200	2.5	1.7	0.23J	3.0	--	--
HA-5	6/5/2002	880	260	110J	30.0	5.3	140	16.0	--	--
HA-5	11/19/2002	223	NA	NA	3.39	5.63	0.581	5.87	--	--
HA-5	11/25/2002	236	<0.25	<0.5	2.94	1.67	<0.5	4.22	--	--
HA-5 (DUP)	11/25/2002	243	<0.25	<0.5	2.78	1.51	<0.5	3.81	--	--
HA-5	1/14/2003	14,300	NA	NA	3,380	2,870	43.6	151	--	--
HA-5	2/24/2003	65,000	0.476	<0.5	8,620	17,200	685	3,260	--	--
HA-5	3/25/2003	54,700	0.388	<0.5	6,550	14,700	657	2,900	--	--
HA-5	4/18/2003	66,600	<0.25	<0.5	7,550	16,800	857	3,960	--	--
HA-5	5/28/2003	21,000	310	150J	2,700	5,200	350	1,700	--	--
HA-5	8/11/2003	2,810	0.512	<0.5	659	232	26.7	187	--	--
HA-5	3/15/2004	708	2.38	<0.5	21.2	1.38	41.5	6.55	--	--
HA-5	6/16/2004	570	1,400J	<1,000	3.0	1.2	3.1	25	--	--
HA-5	6/22/2004	178	<0.25	<0.5	2.85	<0.5	0.559	<1	--	--
HA-5	9/21/2004	409	4.17	<0.5	9.76	0.657	16.5	7.84	--	--
HA-5	12/21/2004	<50	<0.25	<0.5	0.567	<0.5	<0.5	<1	--	--
HA-5	3/22/2005	<100	<0.236	<0.473	17.6	<1	<1	<3	--	--
HA-5	6/20/2005	86J	790	<94	2.7	<0.2	<0.2	0.7J	--	--
HA-5	6/24/2005	124	1.18 (d)	<0.456	<1	<1	<1	<3	<1	--
HA-5	7/28/2005	870	360	<95	0.9	1.7	3.2	52	<0.3	--
HA-5	9/20/2005	140	85	<94	6.9	11	1.9	9.7	--	--
HA-5	11/30/2005	<48	95	<94	<0.5	<0.7	<0.8	<0.8	--	--
HA-5	2/28/2006	<48	100	<100	2	<0.7	<0.8	<0.8	<0.5	--
HA-5	5/16/2006	<48	<76	<95	1.9	<0.2	<0.2	<0.6	<5	--
HA-5	6/7/2006	173	205	171	0.570J	<0.280	<0.340	<0.820	--	--
HA-5	8/17/2006	100	190	<96	5	<0.7	<0.8	<0.8	<0.5	--
HA-5	10/24/2006	303	178	<35.8	22.7	3.42	1.72	2.92J	--	--
HA-5	11/21/2006	150	590	<96	15	<0.7	<0.8	4.0	<0.5	--
HA-5	2/20/2007	180	--	--	5	<0.7	2	<0.8	<0.5	--
HA-5	3/15/2007	133	454	<37.0	3.79	<0.420	0.770J	<0.450	--	--
HA-5	5/15/2007	110	260	<95	2	<0.7	<0.8	<0.8	<0.5	--
HA-5	9/11/2007	507	525	76.2J	78.7	5.24	9.22	16.2	--	--
HA-5	9/12/2007	720	<160	<200	280	23	34	100	<0.5	--
HA-5	11/27/2007	100	190	<95	5	<0.7	2	4	<0.5	--
HA-5	2/26/2008	77	100	<93	0.7	<0.7	<0.8	1	<0.5	--
HA-5	6/4/2008	999	185	116	4.66	2.74	30.9	8.96	--	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
HA-5	8/26/2008	1,220 ¹	360 ^{1,4}	136 ^{1,4}	24.7 ¹	11.5 ¹	5.64 ¹	31.4 ¹	<0.42 ¹	<74.4 ¹
HA-5	3/24/2010	162	<76.2	<381	5.8	1.4	<1.0	6.7	<1.0	<250
HA-5	8/27/2010	571	87.1	<392	31.2	8.3	61.8	37.8	<1.0	<250
HA-5	2/11/2011	130	<77.7	<388	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-5	8/12/2011	<50.0	<78	<390	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-5	2/23/2012	<50.0	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-5	8/23/2012	<50.0	<83	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-5	1/30/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-5	8/22/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-5	2/7/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-6	4/14/1993	63,000	--	--	1,400	9,300	1,200	10,000	--	--
HA-6	12/15/1993	59,000	--	--	1,400	1,400	7,400	10,000	--	--
HA-6	11/4/1994	53,000	--	--	960	2,700	790	9,500	--	--
HA-6	9/17/1997	43,100	25,100	<500	934	973	922	7,670	--	--
HA-6	5/1/1998	43,000	24,000	<5,000	1,100	1,200	1,300	8,700	--	--
HA-6	7/30/1999	47,000	16,000	<2,000	950	360	1,500	8,300	--	--
HA-6	5/22/2000	37,000	10,000	<4,000	870	430	1,500	6,800	--	--
HA-6	5/22/2001	38,000	14,000	<2,000	820	370	1,600	8,000	--	--
HA-6	6/5/2002	36,000	5,800	990J	650	210	1,700	7,100	--	--
HA-6	11/25/2002	25,600	1.43	<0.5	637	181	1,320	5,620	--	--
HA-6	5/28/2003	32,000	4,100	5,400J	590	210	1,200	5,900	--	--
HA-6	6/16/2004	52,000	41,000	<2,500	590	330	1,300	8,500	--	--
HA-6	6/20/2005	18,000	11,000	<960	330	150	690	2,800	--	--
HA-6	6/7/2006	18,600	3,700j	106j	345	189	1,040	2,900	--	--
HA-6	10/24/2006	19,000	2,670j	<71.4uj	422	172	948	2,570	--	--
HA-6	3/15/2007	17,700	3,290	<74.0	409	209	1,170	4,300	--	--
HA-6	9/11/2007	19,800	2,600	52.6	471	197	1,360	2,200	--	--
HA-6	6/3/2008	24,900	2,120	165	365	304	1,550	4,330	--	--
HA-6	8/26/2008	22,800 ¹	1,420 ^{1,3}	48.8 ¹	349 ¹	237 ¹	1,320 ¹	2,470 ¹	<0.42 ¹	<74.4 ¹
HA-6	3/24/2010	14,900	908	<381	330	184	1,450	2,790	<1.0	<250
HA-6	8/27/2010	9,630	789	<392	293	98.0	1,420	413	<1.0	<250
HA-6	2/10/2011	10,100	576	<377	118	71.1	423	882	<1.0	--
HA-6	5/26/2011	11,500	510	<380	149	77.4	389	570	<1.0	--
HA-6	8/12/2011	9,440	1,900	<380	89.8	77	551	337	<1.0	--
HA-6	11/22/2011	10,300	330	<390	119	97.9	731	457	<1.0	--
HA-6	2/23/2012	12,700	710	<380	153	155	1,160	1,490	<1.0	--
HA-6	5/11/2012	12,800	900	<420	130	149	1,100	1,530	<10.0	--
HA-6	8/23/2012	12,800 ¹⁰	830	<420	157	132	1,380	933	<1.0	--
HA-6	11/8/2012	11,500	3,100	<100	151	115	907	1,010	<10	--
HA-6	1/30/2013	15,900	910	<430	140	148	1,140	1,520	<5.0	--
HA-6	5/3/2013	19,100	910	350	181	180	1,680	1,930	<10.0	--
HA-6	8/22/2013	11,000	900	<430	133	85.2	907	583	<1.0	--
HA-6	11/20/2013	14,300	770	<400	194	143	1,540 J	1,490	<5.0	--
HA-6	2/7/2014	20,200	1,200	<400	161	137	1,870	1,160	<10.0	--
HA-6	5/6/2014	13,700	900	<29	106	96.7	1,190	1,150	<1.7	--
HA-7	7/29/1999	17,000	16,000	<10,000	1,200	69	890	1,200	--	--
HA-7	5/22/2000	7,000	9,200	<4,000	460	31	510	580	--	--
HA-7	5/22/2001	4,700	7,100	<2,000	290	25	350	470	--	--
HA-7	6/5/2002	8,800	4,100	<470	1,500	73	760	1,000	--	--
HA-7	11/19/2002	5,510	NA	NA	587	31.3	259	324	--	--
HA-7	11/25/2002	7,840	2.67	<0.5	811	41.1	402	580	--	--
HA-7	1/14/2003	13,700	NA	NA	421	56.2	261	2,350	--	--
HA-7	5/28/2003	11,000	9,000	<960	1,000	100	920	1,300	--	--
HA-7	6/15/2004	8,500	3,400	<490	730	48	600	1,200	--	--
HA-7	6/20/2005	740	1,500	<200	170	5	84	18	--	--
HA-7	6/7/2006	<40	14,700	1,610	0.480J	<0.280	<0.340	<0.820	--	--
HA-7	10/24/2006	537	1,040j	408j	46.9	4.32	7.86	23.5	--	--
HA-7	3/15/2007	3,880	3,270	<181	385	30.0	658	166	--	--
HA-7	9/11/2007	9,440	4,300	<41.0	777	31.8	1,540	504	--	--
HA-7	6/3/2008	13,700	4,270	357	653	70.6	1,620	1,430	--	--
HA-7	8/26/2008	6,940 ¹	4,410 ^{1,3}	137 ¹	635 ¹	31.7 ¹	1,100 ¹	928 ¹	<0.42 ¹	<74.4 ¹

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
HA-7	3/24/2010	4,990	458	<392	529	28.4	771	1,050	<1.0	<250
HA-7	8/27/2010	7,120	455	<388	267	24.8	505	544	<1.0	<250
HA-7	2/11/2011	5,430	369	<377	114	17.7	500	401	<1.0	--
HA-7	5/25/2011	6,540	360	<380	150	22	369	349	<1.0	--
HA-7	8/15/2011	6,820	660	<380	225	22.9	567	377	<1.0	--
HA-7	11/22/2011	3,100	200	<400	86.1	7.8	160	198	<1.0	--
HA-7	2/27/2012	5,310	360	<380	193	25.6	813	509	<1.0	--
HA-7	5/11/2012	5,130	790	<380	145	19.9	520	419	<5.0	--
HA-7	8/27/2012	4,430 ¹⁰	550	<400	178	15.2	335	264	<1.0	--
HA-7	11/12/2012	3,050	880	350	130	8.0	192	237	<1.0	--
HA-7	2/1/2013	4,220	1,400	<430	98.8	14.3	339	259	<2.0	--
HA-7	5/3/2013	8,320	670	300	142	21.3	647	570	<5.0	--
HA-7	8/23/2013	4,480 J	1,200	<390	181	12 J	283	204	<2.0	--
HA-7	11/20/2013	5,060	<400	<400	82	8.9	429	357	<5.0	--
HA-7	2/7/2014	5,330	760	<400	89.2	9.6	322	226	<2.0	--
HA-7	5/7/2014	4,450	<28	<48	141	11.9	299	247	<0.17	--
HA-8	4/14/1993	8,100	--	--	140	150	200	1,100	--	--
HA-8	12/15/1993	3,200	--	--	100	68	11	390	--	--
HA-8	11/4/1994	610	--	--	25	2.9	15	54	--	--
HA-8	9/18/1997	2,840	6,760	2,360	29.2	11.9	19.8	239	--	--
HA-8	5/1/1998	4,300	14,000	19,000	110	130	190	600	--	--
HA-8	7/29/1999	6,000	2,200	<200	37	30	140	1,000	--	--
HA-8	5/22/2000	1,100	810	700	13	9.7	28	170	--	--
HA-8	5/22/2001	650	800	350J	15	3.8	26	95	--	--
HA-8	6/5/2002	1,200	3,000	1,100	6.8	4.4	31	160	--	--
HA-8	11/19/2002	135	--	--	2.07	4.11	1.76	7.42	--	--
HA-8	11/24/2002	579	<0.25	<0.5	5.78	16.9	12.6	57.8	--	--
HA-8	1/14/2003	633	--	--	4.02	16.5	16.3	207	--	--
HA-8	2/24/2003	5,720	0.767	<0.5	14.6	74.5	232	1,570	--	--
HA-8	3/25/2003	1,950	0.544	<0.5	6.17	22.0	73.0	445	--	--
HA-8	4/18/2003	3,040	<0.25	<0.5	12.1	35.9	160	708	--	--
HA-8 (DUP)	4/18/2003	3,650	0.257	<0.5	11.9	41.1	164	762	--	--
HA-8	5/28/2003	67,000	1,800	530	11,000	16,000	1,100	5,400	--	--
HA-8	6/15/2004				LPH Encountered					
HA-8	6/20/2005				LPH Encountered					
HA-8	6/6/2006				LPH Encountered					
HA-8	10/23/2006				LPH Encountered					
HA-8	3/14/2007				LPH Encountered					
HA-8	9/11/2007	4,230	31,000	1,270J	2,360	7,210	408	2,310	--	--
HA-8	6/3/2008	43,800	2,250	719	3,730	14,800	956	4,650	--	--
HA-8	8/26/2008	34,600 ¹	2,620 ^{1,4}	778 ^{1,4}	3,770 ¹	10,700 ¹	763 ¹	3,750 ¹	<0.42 ¹	<74.4 ¹
HA-8	3/24/2010	115	<77.7	<388	<1.0	<1.0	<1.0	15.6	<1.0	<250
HA-8	8/27/2010	54,600	434	<388	2,200	11,900	964	4,240	<1.0	<250
HA-8	2/11/2011	68.2	78.2	<377	<1.0	<1.0	<1.0	17.4	<1.0	--
HA-8	8/15/2011	3,680	170	<380	78.2	287	132	576	<1.0	--
HA-8	2/27/2012	87.3	<76	<380	<1.0	<1.0	<1.0	10.5	<1.0	--
HA-8	8/27/2012	<50.0	<82	<410	5.9	<1.0	<1.0	<3.0	<1.0	--
HA-8	2/1/2013	238	<430	<430	<1.0	<1.0	<1.0	38.2	<1.0	--
HA-8	8/23/2013	375	400	<400	15.6	7.3 J	20.1	32.1	<1.0	--
HA-8	2/7/2014	1,240	<400	<400	2	<1.0	6.4	128	<1.0	--
HA-9	4/14/1993	74,000	--	--	1,700	2,000	2,100	14,000	--	--
HA-9	12/15/1993	50,000	--	--	990	1,300	130	9,300	--	--
HA-9	11/4/1994	55,000	--	--	570	91	1,200	8,200	--	--
HA-9	9/18/1997	21,800	6,100	<1,000	142	22.8	372	2,460	--	--
HA-9	4/29/1998	32,000	44,000	<25,000	410	60	1,200	4,500	--	--
HA-9	5/24/2000	7,400	12,000	3,400	310	21	320	380	--	--
HA-9	5/23/2001	3,400	15,000	<2,000	290	15	290	490	--	--
HA-9	6/4/2002	12,000	5,300	1,000J	530	13	810	910	--	--
HA-9	11/26/2002	6,110	--	--	249	3.55	349	187	--	--
HA-9	5/28/2003	9,500	3,800	<1,100	310	6.3	610	190	--	--
HA-9	6/17/2004	4,300	--	--	250	2.1	280	6.8	--	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
HA-9	6/20/2005	4,800	15,000	1,800J	220	2.4	260	5.8	--	--
HA-9	6/6/2006	3,750j	3,220	337u	177	3.58	435	420	--	--
HA-9	10/24/2006	7,050	3,080	248	248	2.58	580	8.43	--	--
HA-9	3/15/2007	6,360	3,100	<82.2	245	5.66	468	8.72	--	--
HA-9	9/11/2007	5,600	4,290	702	399	10.1	345	50.0	--	--
HA-9	6/4/2008	5,870	1,340	165J	130	4.37	141	10.8	--	--
HA-9	8/27/2008	5,730 ¹	3,160 ^{1,4}	705 ^{1,4}	388 ¹	7.34 ¹	277 ¹	13 ¹	<0.42 ¹	<74.4 ¹
HA-9	3/25/2010				Insufficient Groundwater to Sample					
HA-9	8/25/2010	4,180	--	--	388	17.1	260	199	<1.0	<250
HA-9	2/8/2011	4,330	753	<379	127	6.3	115	9.8	<1.0	--
HA-9	5/17/2011	5,240	--	--	177	4.9	156	9.5	<1.0	--
HA-9	8/11/2011	6,530	950	<620	195	4.2	151	8.7	<1.0	--
HA-9	11/22/2011	6,320	1,200	<380	206	5	160	10.2	<1.0	--
HA-9	2/29/2012	4,640	860	<390	147	5.5	119	11.1	<1.0	--
HA-9	5/15/2012	4,610	980	<410	218	8.8	152	32.1	<1.0	--
HA-9	8/29/2012	4,520	2,400	790	199	3.5	160	8.6	<1.0	--
HA-9	11/14/2012	3,920	900	<110	207	3.3	74.8	7.7	<1.0	--
HA-9	2/4/2013	2,890	940	<440	110	3	60.6	7	<1.0	--
HA-9	5/8/2013	4,500	560	<200	195	3.3	103	6.6	<1.0	--
HA-9	11/21/2013	4,060	710	<400	205	5.2	118	6.7	<2.0	--
HA-9	2/6/2014	3,020	870	<400	15.2	<1.0	5.7	<3.0	<1.0	--
HA-9	5/2/2014	3,020	1,300	<28	77.7	2.7	47.3	<0.40	<0.17	--
HA-10	4/14/1993	77,000	--	--	540	4,600	1,800	12,000	--	--
HA-10	12/15/1993	24,000	--	--	430	410	1,400	3,800	--	--
HA-10	5/23/2001				Well not sampled, bailer obstructed from reaching well bottom					
HA-10	6/6/2002	8,900	--	--	44	66	530	1,600	--	--
HA-10	5/27/2003				Well not sampled, bailer obstructed from reaching well bottom					
HA-10	6/17/2004				Well not sampled, bailer obstructed from reaching well bottom					
HA-10	6/21/2005	3,500	--	--	23	7	170	320	--	--
HA-10	6/6/2006	852	999	97.5	52.6	5.50J	63.7	19.1J	--	--
HA-10	10/24/2006	2,280	--	--	36.2	<0.220	47.4	99.4	--	--
HA-10	3/15/2007	4,590	1,610	371	49.8	13.2	332	425	--	--
HA-10	9/12/2007				Insufficient Groundwater to Sample					
HA-10	6/4/2008	4,710	--	--	16.1	7.79	175	283	--	--
HA-10	8/27/2008	2,160 ¹	2,400 ^{1,3}	510 ^{1,2}	5.61 ¹	5.32 ¹	34.4 ¹	39.2 ¹	<0.42 ¹	<74.4 ¹
HA-10	3/24/2010				Insufficient Groundwater to Sample					
HA-10	8/25/2010	2,170	--	--	7.1	7.5	68.5	130	<1.0	<250
HA-10	2/8/2011				Insufficient Groundwater to Sample					
HA-10	5/17/2011	508 J	1,300	<2400	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
HA-10	8/11/2011	2,210	--	--	10.1	5.7	49.9	73.5	<1.0	--
HA-10	11/21/2011	1,430 J	140 J	<570 J	5.5 J	2.8 J	37.2 J	56.6 J	<1.0 J	--
HA-10	2/29/2012	489	1,900	1,700	<1.0	1.5	10.3	5.3	<1.0	--
HA-10	5/16/2012	816	--	--	1.5	3.7	15.0	10.3	<1.0	--
HA-10	8/29/2012	1,020	--	--	3.1	3.5	24.2	18.5	<1.0	--
HA-10	11/14/2012	286	<110	<110	<1.0	<1.0	12.5	3.5	<1.0	--
HA-10	1/31/2013	218	<450	<450	<1.0	<1.0	9.4	<3.0	<1.0	--
HA-10	5/2/2013	490	--	--	<1.0	3	18.3	9.3	<1.0	--
HA-10	8/20/2013	274	--	--	<1.0	1.9 J	6.1	4	<1.0	--
HA-10	11/27/2013	101	<950	<950	<1.0	<1.0	5.6	<3.0	<1.0	--
HA-10	5/2/2014	<50	<48	<28	<0.15	<0.11	3.1	<0.40	<0.17	--
HA-11	4/14/1993	29,000	--	--	910	42	820	3,700	--	--
HA-11	12/15/1993	5,300	--	--	360	160	98	780	--	--
HA-11	11/4/1994	13,000	--	--	610	190	300	1,900	--	--
HA-11	4/29/1998	4,600	4,200	1,800	230	28	100	520	--	--
HA-11	5/24/2000	13,000	3,300	1,400	710	200	450	2,300	--	--
HA-11	5/23/2001	6,100	--	--	570	83	280	910	--	--
HA-11	6/4/2002	3,000	--	--	660	18	100	450	--	--
HA-11	5/27/2003	16,000	--	--	1,400	74	560	2,300	--	--
HA-11	6/21/2005	4,100	--	--	500	6.6	150	460	--	--
HA-11	6/7/2006	8,760	3,320j	147J	662	17.0	443	1,420	--	--
HA-11	10/24/2006	7,410	3,560	1,370	1,510	12.2	385	710	--	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
HA-11	3/15/2007	5,180	3,700	508	504	8.96	294	842	--	--
HA-11	9/12/2007	Insufficient Groundwater to Sample								
HA-11	6/4/2008	4,290	--	--	602	4.46	159	415	--	--
HA-11	8/25/2008	Insufficient Groundwater to Sample								
HA-11	3/24/2010	3,080	--	--	384	5.1	215	595	<1.0	<250
HA-11	8/25/2010	5,350	--	--	988	18.6	430	1,230	<1.0	<250
HA-11	2/8/2011	Insufficient Groundwater to Sample								
HA-11	5/18/2011	8,740 J	<77	<380	442 J	8.5 J	344 J	682 J	<1.0 J	--
HA-11	8/11/2011	4,840	--	--	736	4.3	167	329	<1.0	--
HA-11	11/21/2011	3,280 J	<180 J	<890 J	559 J	3.1 J	109 J	150 J	<1.0 J	--
HA-11	2/29/2012	4,060	250	<480	271	3	228	459	<1.0	--
HA-11	5/15/2012	3,890	--	--	318 ^(CO, E)	7	198	463	<1.0	--
HA-11	8/29/2012	5,390 ¹⁰	--	--	543	28.3	276	570	<1.0	--
HA-11	11/15/2012	1,610	--	--	302	<2.0	24.3	130	<2.0	--
HA-11	2/4/2013	1,460	<490	<490	185	1.6	112	220	<1.0	--
HA-11	5/2/2013	1,780	1,500	450	--	--	--	--	--	--
HA-11	11/21/2013	1,390	620 J	<400	207	1.9	136	322	<1.0	--
HA-11	2/13/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-11	4/30/2014	1,660	<48	<28	202	<0.55	111	219	<0.84	--
HA-12	4/14/1993	<50	--	--	1.3	<0.50	<0.50	<1.0	--	--
HA-12	12/15/1993	700	--	--	6.0	5.7	16	170	--	--
HA-12	11/4/1994	300	--	--	2.2	1.6	1.8	9.7	--	--
HA-12	9/18/1997	139	6,350	<500	1.05	<0.50	<0.50	1.9	--	--
HA-12	5/1/1998	<50	<80	780	0.3	0.5	0.3	1.5	--	--
HA-12	7/29/1999	<48	180J	200	3	0.8J	<0.2	1.3J	--	--
HA-12	5/22/2000	<48	250	520	1.2	0.24J	<0.2	<0.6	--	--
HA-12	5/22/2001	<48	410	<200	3.7	0.24J	<0.2	<0.6	--	--
HA-12	6/5/2002	<48	130J	<95	0.31J	<0.2	<0.2	<0.6	--	--
HA-12	11/25/2002	93.7	<0.25	<0.5	0.957	3.85	1.52	10.8	--	--
HA-12	5/28/2003	<48	280	610	0.4J	<0.2	<0.2	<0.6	--	--
HA-12	6/16/2004	<48	490	250J	4.5	0.3J	<0.2	0.8J	--	--
HA-12	6/21/2005	<48	180J	<100	0.3J	<0.2	0.5J	<0.6	--	--
HA-12	6/7/2006	<40	165	70.1J	<0.290	<0.280	<0.340	<0.820	--	--
HA-12	10/24/2006	58.2Ju	103	564	4.85	1.60	0.860J	0.870J	--	--
HA-12	3/15/2007	71.6J	90.3J	<37.0	<0.330	<0.420	0.530J	0.630J	--	--
HA-12	9/11/2007	72.6J	283	181	<0.330	<0.420	<0.420	<0.450	--	--
HA-12	6/4/2008	110	228	316	0.310J	<0.280	0.570J	1.05J	--	--
HA-12	8/27/2008	<43 ¹	584 ^{1,5}	722 ^{1,5}	<0.27 ¹	1.23 ¹	0.38 ¹	<0.86 ¹	<0.42 ¹	<74.4 ¹
HA-12	3/24/2010	<50.0	<76.9	<385	<1.0	<1.0	<1.0	<3.0	<1.0	<250
HA-12	8/25/2010	Insufficient Groundwater to Sample								
HA-12	5/25/2011	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-12	11/21/2011	<50.0 J	<77 J	450 J	<1.0 J	<1.0 J	1.3 J	<3.0 J	<1.0 J	--
HA-12	5/11/2012	<100	<77	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-12	11/12/2012	<100	<100	<100	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-12	5/3/2013	<100	<200	310	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-12	11/20/2013	<100	710	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-12	5/7/2014	<50	<48	<28	<0.15	<0.11	<0.16	<0.40	<0.17	--
HA-13	4/14/1993	<50	--	--	<0.50	<0.50	<0.50	<1.0	--	--
HA-13	12/15/1993	<50	--	--	<0.50	<0.50	<0.50	<1.0	--	--
HA-13	11/4/1994	<50	--	--	<0.50	1.4	<0.50	3.0	--	--
HA-13	9/18/1997	59	310	<500	<0.50	<0.50	<0.50	<1.0	--	--
HA-13	4/30/1998	<250	<250	<500	<1.0	1.00	<1.0	<3.0	--	--
HA-13	7/28/1999	--	--	--	--	--	--	--	--	--
HA-13	5/22/2000	<48	130J	450J	<0.2	<0.2	<0.2	<0.6	--	--
HA-13	5/22/2001	<48	86J	<200	<0.2	<0.2	<0.2	<0.6	--	--
HA-13	6/4/2002	<48	<84	<110	<0.2	<0.2	<0.2	<0.6	--	--
HA-13	11/25/2002	<50	<0.25	<0.5	0.569	1.80	0.667	5.74	--	--
HA-13	2/24/2003	<50	<0.25	<0.5	<0.5	<0.5	<0.5	1.08	--	--
HA-13	3/25/2003	98.4	<0.25	<0.5	<0.5	0.580	<0.5	<1	--	--
HA-13	4/18/2003	<50	<0.25	<0.5	<0.5	<0.5	0.500	<1	--	--
HA-13	5/27/2003	7,100	84J	<96	43	290	120	840	--	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
HA-13	9/11/2003	498	NA	NA	3.38	28.9	7.87	60.6	--	--
HA-13	11/21/2003	<50	<0.25	<0.5	<0.5	0.877	<0.5	1.15	--	--
HA-13	3/15/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
HA-13	6/16/2004	<48	<77	<96	<0.2	<0.2	<0.2	<0.6	--	--
HA-13	6/22/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
HA-13	9/21/2004	<50	0.868	<0.5	0.598	<0.5	<0.5	<1	--	--
HA-13	12/21/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
HA-13	3/22/2005	<100	<0.237	<0.474	<1	<1	<1	<3	--	--
HA-13	6/21/2005	<48	230J	<200	<0.2	<0.2	0.5J	0.27J	--	--
HA-13	6/24/2005	<100	0.311	<0.473	<1	<1	<1	<3	<1	--
HA-13	7/28/2005	5800	1100	380	<0.3	9.8	22	380	<0.3	--
HA-13	9/20/2005	130	--	--	3.6	11.0	1.4	8.8	--	--
HA-13	11/29/2005	<48	79	<95	<0.5	<0.7	<0.8	<0.8	--	--
HA-13	2/28/2006	<48	<78	<97	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-13	5/16/2006	<48	<81	<100	<0.2	<0.2	<0.2	<0.6	<0.3	--
HA-13	6/7/2006	<40	163	329	<0.290	<0.280	<0.340	<0.820	--	--
HA-13	8/17/2006	<48	<270	<330	<0.5	<0.7	<0.7	<0.8	<0.5	--
HA-13	10/24/2006	100	<37.8	<37.8	7.34	1.83	0.770J	0.750J	--	--
HA-13	11/21/2006	<48	<75	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-13	2/20/2007	<48	<75	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-13	3/15/2007	63.6J	59.7J	110	<0.330	<0.420	<0.420	0.500J	--	--
HA-13	5/15/2007	<50	<130	<170	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-13	9/11/2007	47.5J	--	--	0.580J	<0.420	<0.420	0.700J	--	--
HA-13	9/12/2007	<50	450	<200	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-13	11/27/2007	<50	<300	<370	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-13	2/26/2008	<50	<75	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-13	6/4/2008	52.3J	41.1J	58.9J	<0.270	<0.280	0.410J	<0.860	--	--
HA-13	8/27/2008	57.7 ^{1,6}	34.1 ¹	53.9 ¹	<0.27 ¹	0.92 ¹	0.24 ¹	<0.86 ¹	<0.42 ¹	<74.4 ¹
HA-13	3/24/2010	<50.0	<75.8	<379	<1.0	<1.0	<1.0	<3.0	<1.0	<250
HA-13	8/27/2010	<50.0	--	--	<1.0	2.0	<1.0	3.0	<1.0	<250
HA-13	2/10/2011	<50.0	<75.5	<377	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-13	8/12/2011	<50.0	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-13	8/12/2011	<50.0	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-13	2/28/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-13	8/23/2012	<50.0	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-13	1/29/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-13	8/22/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-13	2/7/2014	<100	<400	<400	<1.0	1.1	<1.0	<3.0	<1.0	--
HA-14	4/14/1993	5,300	--	--	400	22	290	1,000	--	--
HA-14	12/15/1993	<50	--	--	<0.50	<0.50	<0.50	<1.0	--	--
HA-14	11/4/1994	180	--	--	5	1.8	3.9	11	--	--
HA-14	9/18/1997	324	972	752	6.45	1.06	7.98	9.17	--	--
HA-14	4/30/1998	1,800	460	<500	210	15	190	100	--	--
HA-14	7/29/1999	4,700	1,100	<200	450	38	710	120	--	--
HA-14	5/22/2000	3,700	1,100	520J	470	26	760	63	--	--
HA-14	5/22/2001	890	430	230J	120	5.5	200	10	--	--
HA-14	6/4/2002	2,200	1,400	1,000	380	16.0	470	32	--	--
HA-14	11/25/2002	939	<0.25	<0.5	141	15.7	169	48.1	--	--
HA-14	4/18/2003	1,190	<0.25	<0.5	133	8.87	228	23.7	--	--
HA-14	5/27/2003	860	300	220J	91	2.7	140	11	--	--
HA-14	6/16/2004	220J	780	280J	56	2.6	52	5	--	--
HA-14	6/21/2005	1,200	660	390J	260	5.8	250	18	--	--
HA-14	6/7/2006	<40	--	--	<0.290	<0.280	0.560J	<0.820	--	--
HA-14	10/24/2006	288	--	--	12.3	2.06	9.60	1.42J	--	--
HA-14	3/15/2007	121	187	50.1J	4.09	<0.420	4.99	0.610J	--	--
HA-14	9/11/2007	628	--	--	92.8	1.30	157	3.45	--	--
HA-14	6/4/2008	529	1,150	1,820	30.1	0.780J	67.5	1.71J	--	--
HA-14	8/27/2008	350 ¹	513^{1,5}	863^{1,5}	31.5¹	2.25 ¹	72.1 ¹	2.63 ¹	<0.42 ¹	<74.4 ¹
HA-14	3/24/2010	1,150	1,030	2,560	92	1.4	369	6.6	<1.0	<250
HA-14	8/27/2010	1,120	--	--	155	6.0	321	3.5	<1.0	<250
HA-14	2/10/2011	231	161	<377	12.8	<1.0	67.3	4	<1.0	--
HA-14	5/25/2011	2,250	110	<380	106	5.6	316	12	<1.0	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES		
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol	
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--	
HA-14	8/12/2011	1,890	--	--	159	10.1	281	12.4	<1.0	--	
HA-14	2/28/2012	<50.0 J	<77	<380	<1.0 J	<1.0 J	<1.0	<3.0	<1.0	--	
HA-14	8/23/2012	198	--	--	42.4	2.4	13.2	5.5	<1.0	--	
HA-15	1/14/2003	344	NA	NA	3.34	0.672	<0.5	2.51	--	--	
HA-15	2/24/2003	1,250	0	<0.5	12.9	5.57	9.8	69.6	--	--	
HA-15	3/25/2003	910	0	<0.5	7.47	1.55	1.12	3.99	--	--	
HA-15	4/18/2003	658	<0.25	<0.5	7.21	1.88	0.716	6.47	--	--	
HA-15	3/15/2004	336	1	<0.5	5.85	0.765	<0.5	1.34	--	--	
HA-15	12/21/2004	1,350	<0.25	<0.5	12.2	0.824	3.01	2.74	--	--	
HA-15 (DUP)	12/21/2004	1,570	<0.25	<0.5	13.4	0.952	4.02	3.11	--	--	
HA-15	3/22/2005	<100	<0.237	<0.474	<1	<1	<1	<3	--	--	
HA-15	6/24/2005	<100	<0.525(d)	<0.956	<1	<1	<1	<3	<1	--	
HA-15	2/28/2006	58	<280	<96	13	<0.7	<0.8	<0.8	<0.5	--	
HA-15	5/16/2006	58	360	<97	16	2.5	1.5	1.6	50	--	
HA-15	8/17/2006				Insufficient Groundwater to Sample						
HA-15	11/21/2006	360	1,400	670	320	20	27	9	<0.5	--	
HA-15	2/20/2007				Insufficient Groundwater to Sample						
HA-15	5/15/2007				Insufficient Groundwater to Sample						
HA-15	9/12/2007				Insufficient Groundwater to Sample						
HA-15	11/26/2007				Insufficient Groundwater to Sample						
HA-15	2/26/2008	340	1,700	590	18	0.9	3	2	<0.5	--	
HA-15	2/18/2009	120	<150	<770	19	1.5	4.7	14	<1	<400	
HA-15	8/25/2009				Insufficient Groundwater to Sample						
HA-15	3/24/2010	811	248	<392	127	7	34.2	68.3	<1	<250	
HA-15	8/23/2010				Insufficient Groundwater to Sample						
HA-16	12/21/2004	17,900	4	2	112	533	272	1,660	--	--	
HA-16	3/22/2005	17,500	2.89(d)	<0.488	100	518	253	1,521	--	--	
HA-16	6/24/2005	20,400	2,200(a)	<0.479	436	760	374	2,359	<10	--	
HA-16	7/28/2005	6,900	3,400	<940	180	94	80	440	<1	--	
HA-16	9/20/2005	14,000	--	--	620	1,000	270	1,500	--	--	
HA-16	11/30/2005	150	240	<94	7	8	2	13	--	--	
HA-16 (DUP)	11/30/2005	2,100	450	<94	19	24	19	96	--	--	
HA-16	3/1/2006	95	120	<95	170	1	3	11	<0.5	--	
HA-16 (DUP)	3/1/2006	430	500	<95	420	2	13	19	<0.5	--	
HA-16	5/16/2006	<48	94	95	120	0.6	0.4	1.7	<5	--	
HA-16 (DUP)	5/16/2006	360	120	<95	150	1.9	2.8	12	<5	--	
HA-16	8/17/2006				Insufficient Groundwater to Sample						
HA-16	11/21/2006	25,000	650	110	2,500	4,200	450	1,400	<3	--	
HA-16	2/20/2007	18,000	970	130	3,300	2,000	560	1,600	<3	--	
HA-16	5/15/2007	970	190	<96	260	53	47	120	<0.5	--	
HA-16	9/12/2007	2,600	900	250	510	480	120	440	<0.5	--	
HA-16	11/27/2007	2,100	1,200	<190	250	98	87	220	<0.5	--	
HA-16	2/26/2008	240	<75	<94	44	3	6	20	<0.5	--	
HA-16	8/26/2008	36,000	2,600	<95	2,600	7,400	550	2,800	<3	<250	
HA-16	2/19/2009	8,540	--	--	830	1,200	250	1,100	<1	<400	
HA-16	8/25/2009				Insufficient Groundwater to Sample						
HA-16	3/24/2010	5,180	119	<385	367	55.6	229	922	1	<250	
HA-16	8/26/2010	14,000	347	<1,330	1,720	1,730	686	2,400	<1.0	<250	
HA-16	2/11/2011	5,930	161	<377	177	266	129	804	<1.0	--	
HA-16	5/25/2011	4,690	160	<460	403	89.7	166	647	<1.0	--	
HA-16	8/15/2011	5,070	--	--	553	163	189	575	<1.0	--	
HA-16	2/27/2012	513	<76	<380	35.6	47.7	25.4	76.5	<1.0	--	
HA-16	8/24/2012	3,730	--	--	763	51.9	135	575	<1.0	--	
HA-16	1/31/2013	5,000	510	<440	539	675	145	875	<5.0	--	
HA-16	8/22/2013	11,600	<450	<450	3,700	697	311	7,550	<1.0	--	
HA-16	2/11/2014	9,950	<400	<400	872	705	356	1,760	<1.0	--	
HA-17	1/14/2003	548	NA	NA	10.2	<1.25	1.55	2.61	--	--	
HA-17	5/29/2003	2,090	<0.25	<0.5	50	129	80.1	322	--	--	
HA-17	11/20/2003	585	1	<0.5	8.92	<0.5	<0.5	<1	--	--	
HA-17	3/15/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--	
HA-17	12/21/2004	335	<0.25	<0.5	6.35	<0.5	<0.5	<1	--	--	

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
HA-17	3/22/2005	<100	<0.237	<0.473	11.6	<1	9.96	<3	--	--
HA-17	6/24/2005	<100	1	<0.475	1.57	<1	<1	<3	<1	--
HA-17	7/28/2005	<48	--	--	2.3	<0.2	0.3	<0.6	<0.3	--
HA-17	11/30/2005	55	450	<94	1	<1	<2	<2	--	--
HA-17	3/1/2006	<48	340	<96	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-17	5/16/2006	<48	280	<95	0.4	<0.2	<0.2	<0.6	<5	--
HA-17	8/17/2006	Insufficient Groundwater to Sample								
HA-17	11/21/2006	<48	220	120	1	<0.7	<0.8	<0.8	<0.5	--
HA-17	2/20/2007	<48	1,700	<470	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-17	5/15/2007	<50	--	--	1	1	<0.8	<0.8	<0.5	--
HA-17	9/12/2007	Insufficient Groundwater to Sample								
HA-17	11/27/2007	<50	770(p)	<140	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-17	2/26/2008	<50	570	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-17	2/18/2009	<50	88	<410	<1	<1	<1	<1	<1	<400
HA-17	8/25/2009	Insufficient Groundwater to Sample								
HA-17	3/23/2010	55	<77.7	<388	<1	<1	<1	<3	<1	<250
HA-17	8/23/2010	Insufficient Groundwater to Sample								
HA-18	1/14/2003	11,400	NA	NA	40.3	75.9	810	2,220	--	--
HA-18	5/29/2003	31,000	8	<0.5	95	157	2,440	7,840	--	--
HA-18	11/20/2003	28,000	7	<0.5	284	178	1,950	6,400	--	--
HA-18	12/21/2004	4,600	1	<0.5	21.9	26.8	188	440	--	--
HA-18	3/22/2005	7,690	1.33(d)	<0.473	27.1	10.2	333	578.2	--	--
HA-18	6/24/2005	9,810	6.83 (d)	0.594 (d)	32.3	12.4	439	907.3	<5	--
HA-18	7/28/2005	8,200	--	--	39	29	230	620	<1	--
HA-18	3/1/2006	780	340	<95	72	0.8	69	6	<0.5	--
HA-18	5/16/2006	2,100	520	<94	40	3.8	93	140	<25	--
HA-18	8/17/2006	3,800	2,700	160	51	9	170	250	<0.5	--
HA-18	11/21/2006	3,400	2,700	650	52	23	130	240	<0.5	--
HA-18	2/20/2007	5,000	740	180	49	18	230	460	<0.5	--
HA-18	5/15/2007	Insufficient Groundwater to Sample								
HA-18	9/12/2007	Insufficient Groundwater to Sample								
HA-18	11/27/2007	480	4,700(q)	<370	14	4	3	7	<0.5	--
HA-18	2/26/2008	720	4,100	740	17	4	34	21	<0.5	--
HA-18	2/19/2009	615	240	<400	37	29	36	87	<1	<400
HA-18	8/25/2009	Insufficient Groundwater to Sample								
HA-18	3/23/2010	1,390	135	<385	98.9	18.4	91.0	132	<1.0	<250
HA-18	8/23/2010	Insufficient Groundwater to Sample								
HA-19	8/25/2008	<50	<75	<94	<0.5	<0.7	<0.8	<0.8	<0.5	<50
HA-19	8/25/2009	Insufficient Groundwater to Sample								
HA-19	3/23/2010	Insufficient Groundwater to Sample								
HA-19	8/23/2010	Insufficient Groundwater to Sample								
HA-19	5/25/2011	216	<83	<420	33.8	13.5	2	9.1	<1.0	--
HA-19	11/21/2011	<50.0 J	<76 J	<380 J	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
HA-19	5/11/2012	<100	<100	<500	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-19	11/8/2012	<100	<110	<110	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-19	5/3/2013	<100	<200	300	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-19	11/20/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-19	5/8/2014	<50	<30	<52	<0.15	<0.11	<0.16	<0.40	<0.17	--
HA-20	7/28/2005	230,000	6,900	<940	28,000	47,000	2,900	16,000	<150	--
HA-20	11/30/2006	110,000	4,900	<190	19,000	28,000	1,500	8,500	--	--
HA-20	8/25/2008	18,000	4,300	<940	5,800	5,800	1,200	5,500	<1	<100
HA-20	2/19/2009	292	93	<410	67	33	13	42	<1	<400
HA-20	8/25/2009	18,100	1,300	<390	10,900 (8)	2,020 (8)	941	3,220 (8)	<1	<250
HA-20 (DUP)	8/25/2009	22,200	1,900	180J	12,200	2,750	1,100	3,790	<1	<250
HA-20	3/24/2010	7,070	2,450	<381	4,100	2,170	109	435	<1	<250
HA-20	8/26/2010	69,700	712	<388	14,600	23,100	932	4,810	<1.0	<250
HA-20 (DUP)	8/26/2010	56,800	767	<426	13,800	14,600	1,400	6,010	<1.0	<250
HA-20	2/11/2011	<50.0	<76.9	<385	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-20	5/25/2011	24,000	240	<380	4,540	4,860	302	939	<1.0	--
HA-20	8/15/2011	8,660	200 J	<380 J	5,270	2,190	534	1,850	<1.0	--

Table 6

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
HA-20	11/18/2011	29,600	200	<380	3,720	4,560	592	2,690	<1.0	--
HA-20	2/27/2012	<50.0	<76	<380	2.2	1.9	1.2	4.7	<1.0	--
HA-20	5/16/2012	660	<76	<380	280	37.7	35.1	85.5	<1.0	--
HA-20	8/24/2012	9,220 ¹⁰	170	<400	4,100	964	378	1,470	<1.0	--
HA-20	11/9/2012	4,440	920	<110	1,360	224	179	638	<1.0	--
HA-20	2/4/2013	320	<430	<430	130	1.5	1.8	70.1	<1.0	--
HA-20	5/3/2013	2,740	<200	250	53.6	11.8	<2.0	540	<2.0	--
HA-20	8/22/2013	2,760	850	<420	3,850	134	129	666	<5.0	--
HA-20	11/20/2013	921	<400	<400	508 J	46	42	111	<2.0	--
HA-20	2/11/2014	13,800	600	440	3,910	1,550	470	2,190	<10.0	--
HA-20	5/6/2014	<50	<48	<28	5.9	<0.11	<0.16	<0.40	<0.17	--
LAI-1	1/15/2003	4,120	--	--	728	935	23	120	--	--
LAI-1	2/26/2003	15,100	1	<0.5	2,150	3,680	116	979	--	--
LAI-1	3/24/2003	47,500	1	<0.5	7,970	15,000	739	4,250	--	--
LAI-1	3/1/2006	190,000	860	<190	4,500	41,000	2,800	16,000	<13	--
LAI-1	5/17/2006	270,000	1,400	<470	10,000	56,000	3,300	21,000	<200	--
LAI-1	8/16/2006	130,000	2,800	240	11,000	23,000	3,000	14,000	<50	--
LAI-1	11/20/2006	11,000	880	<95	1,900	25	400	1,300	<1	--
LAI-1	2/19/2007	260,000	2,900	<470	13,000	58,000	3,200	19,000	<25	--
LAI-1	5/14/2007	290,000	3,200	<480	9,000	60,000	2,200	16,000	<	--
LAI-1	9/11/2007	21,000	510	<94	1,300	680	440	2,500	<1	--
LAI-1	11/26/2007	2,300	310	<99	1,100	10	130	410	<0.5	--
LAI-1	2/26/2008	23,000	2,400	<95	160	190	1,100	4,300	<1	--
LAI-1	8/26/2008	4,400	450	<95	12	4	300	560	<0.5	<50
LAI-1 (DUP)	8/26/2008	4,300	520	<95	12	5	200	360	<0.5	<50
LAI-1	2/19/2009	93,900	600	<410	470	19,000	1,500	9,800	<1	<400
LAI-1	8/25/2009	73,300	2,000	140 J	358	1,330	277	1,700	<1.0 (9)	<250
LAI-1	3/23/2010	114,000	800	<381	2,610	19,300	4,190	23,200	<1.0	<250
LAI-1	8/24/2010	57,700	812	<388	2,040	3,150	187	17,700	<1.0	<250
LAI-1	2/9/2011	59,300	692	<388	689	6,530	1,960	9,420	<1.0	--
LAI-1	5/16/2011	40,200 J	650	<380	615 J	887 J	1,620 J	6,420 J	<1.0 J	--
LAI-1 (DUP)	5/16/2011	41,400 J	650	<380	580 J	919 J	1,770 J	6,920 J	<1.0 J	--
LAI-1	8/9/2011	30,700 J	530	<400	1,370 J	303 J	1,620 J	6,680 J	<1.0	--
LAI-1	2/27/2012	53,000	460	<380	987	6,680	2,140	9,280	<1.0	--
LAI-1	9/4/2012	19,100 ¹⁰	600	<400	551	130	735	3,520	<1.0	--
LAI-1	2/5/2013	24,000	1,300	<430	79.6	2,320	933	5,600	<10.0	--
LAI-1	8/14/2013	54,600	2,800	<420	324	691	1,160	10,100	<5.0	--
LAI-1 (DUP)	8/14/2013	49,900	3,200	<420	404	601	1,080	9,750	<5.0	--
LAI-1	2/12/2014	88,200	860	<400	995	4,430	2,770	3,580	<1.0	--
LAI-2	1/15/2003	73	--	--	2.78	2.2	1.1	9.33	--	--
LAI-2 (DUP)	1/15/2003	103	--	--	3.39	3.36	1.68	15.1	--	--
LAI-2	5/29/2003	18,100	<0.25	<0.5	2,940	6,100	235	1,680	--	--
LAI-2 (DUP)	5/29/2003	18,800	0	<0.5	2,840	6,320	235	1,680	--	--
LAI-2	8/11/2003	8,950	1	<0.562	1,880	2,150	135	907	--	--
LAI-2 (DUP)	8/11/2003	6,620	1	<0.5	1,750	1,340	104	678	--	--
LAI-2	11/20/2003	1,330	0	<0.5	580	1.98	35.3	235	--	--
LAI-2	3/16/2004	120,000	2	<0.5	23,600	27,700	2,370	11,300	--	--
LAI-2	6/22/2004	17,600	0	<0.5	4,390	53.3	889	1,190	--	--
LAI-2 (DUP)	6/22/2004	20,400	<0.25	<0.5	4,960	51.4	1,020	1,340	--	--
LAI-2	9/22/2004	6,150	1	<0.5	1,070	4.87	672	234	--	--
LAI-2 (DUP)	9/22/2004	6,020	1	<0.5	1,070	4.37	673	187	--	--
LAI-2	12/21/2004	9,920	<0.25	<0.5	2,080	<25	875	552	--	--
LAI-2	3/21/2005	22,900	1	<0.498	7,720	2,970	1,380	2,208	--	--
LAI-2	6/23/2005	123,000	4,150	<0.473	21,700	40,300	2,260	10,180	<200	--
LAI-2	7/29/2005	170,000	1,400	<190	18,000	28,000	3,100	15,000	30	--
LAIx-2	9/21/2005	32,000	1,400	<94	5,500	3,300	1,100	5,600	--	--
LAIx-2	12/1/2005	8,700	730	<94	1,700	230	330	1,300	--	--
LAIx-2 (DUP)	12/1/2005	8,700	830	<95	1,900	100	370	1,400	--	--
LAIx-2	3/1/2006	120,000	1,200	<190	13,000	24,000	1,500	8,500	<10	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
LAIx-2 (DUP)	3/1/2006	97,000	1,400	<190	12,000	15,000	1,600	8,100	<10	--
LAIx-2	5/17/2006	160,000	2,200	<470	21,000	32,000	2,800	14,000	<200	--
LAIx-2 (DUP)	5/17/2006	160,000	2,400	<470	21,000	31,000	2,900	14,000	<200	--
LAIx-2	8/16/2006	87,000	4,200	<1900	14,000	19,000	1,600	11,000	<5	--
LAIx-2	11/20/2006	20,000	810	<94	2,200	1,500	590	2,300	<1	--
LAIx-2	2/19/2007	150,000	2,600	<190	18,000	32,000	2,700	11,000	<25	--
LAIx-2	5/14/2007	180,000	4,600	<970	19,000	33,000	2,200	11,000	<25	--
LAIx-2	9/11/2007	17,000	1,800	150	2,400	470	680	2,600	<1	--
LAIx-2(u)	11/26/2007	8,500	380	<94	800	46	470	1,200	<0.5	--
LAIx-2	2/26/2008	780	<75	<94	9	1	26	70	<0.5	--
LAIx-2	8/26/2008	6,600	1,400	<95	350	330	330	970	<2	<200
LAIx-2	2/19/2009	29,500	320	<410	2,300	5,600	980	2,800	<100	<400
LAIx-2	8/25/2009	9,530	950	110J	3,710	37.8	990	1,330	<1	<250
LAIx-2	3/23/2010	7,400	166	<381	1,570	698	661	1,290	<1.0	<250
LAIx-2	8/24/2010	51,100	453	<385	7,600	12,100	155	7,910	<1.0	<250
LAIx-2	2/8/2011	66,400	487J	<385	6,780	13,000	1,350	4,240	<1.0	--
LAIx-2	5/16/2011	24,200 J	290	<380	2,500 J	3,630 J	851 J	2,140 J	<1.0 J	--
LAIx-2	8/9/2011	21,800 J	480	<390	3,700 J	1,810 J	1,080 J	3,680 J	<1.0	--
LAIx-2	2/27/2012	34,600	200	<380	3,220	6,960	1,260	3,890	<1.0	--
LAIx-2	9/4/2012	48,300 ¹⁰	700	<400	7,030	4,090	2,100	7,110	<1.0	--
LAIx-2	2/5/2013	3,830	<460	<460	236	76.6	257	747	<2.0	--
LAIx-2	8/14/2013	49,500	2,900	<400	5,000	3,740	1,420	7,030	<20.0	--
LAIx-2	2/13/2014	67,400	1,400	<400	5,540	9,610	1,710	8,140	<1.0	--
LAI-3	1/15/2003	67	--	--	0.5	3.19	1.36	8.45	--	--
LAI-3	2/26/2003	558	0.25	0.50	70.1	159	6.42	32.6	--	--
LAI-3	3/25/2003	573	0.25	0.50	61.6	176	8.43	39.5	--	--
LAI-3	4/17/2003	154	0.25	0.50	7.56	24.5	4	29.4	--	--
LAI-3	5/29/2003	301	0.25	0.50	151	40.7	0.951	4.63	--	--
LAI-3	8/11/2003	985	0.25	0.50	329	18.4	2.47	7.27	--	--
LAI-3	11/20/2003	50	0.25	0.50	9.2	0.5	0.5	1	--	--
LAI-3	3/16/2004	4,670	0.27	0.50	2,030	94.9	113	225	--	--
LAI-3	6/22/2004	2,880	0.25	0.50	1,580	5	50.7	69.4	--	--
LAI-3	9/22/2004	424	0.43	0.56	60.7	5	82.1	2.05	--	--
LAI-3	12/21/2004	62	0.25	0.50	0.542	0.5	2.31	1	--	--
LAI-3	3/21/2005	100	0.24	0.47	1	1	1	3	--	--
LAI-3	6/23/2005	2,200	0.748 (a)	0.47	2,360	119	184	200.4	20	--
LAI-3	7/29/2005	34,000	690	160	5,300	6,300	690	2,500	7.5	--
LAIx-3	9/21/2005	23,000	1,400	94	3,800	4,200	450	3,100	--	--
LAIx-3	11/30/2005	43,000	1,500	<96	8,200	9,200	400	5,300	--	--
LAIx-3 (DUP)	12/1/2005	45,000	1,800	<94	9,000	8,700	350	5,200	--	--
LAIx-3	3/1/2006	130,000	3,500	<970	18,000	26,000	1,800	10,000	<10	--
LAIx-3 (DUP)	3/1/2006	100,000	3,200	<950	16,000	13,000	1,700	9,500	<10	--
LAIx-3	5/17/2006	130,000	3,500	<950	19,000	24,000	2,300	12,000	--	--
LAIx-3 (DUP)	5/17/2006	110,000	3,300	<470	16,000	18,000	2,100	10,000	<30	--
LAIx-3	8/16/2006	20,000	3,900	<480	2,200	2,900	470	2,600	<0.5	--
LAIx-3	11/20/2006	13,000	910	<95	2,400	550	490	1,500	<1	--
LAIx-3	2/19/2007	120,000	2,700	<94	21,000	21,000	2,500	9,700	<25	--
LAIx-3	5/14/2007	150,000	4,300	<960	25,000	26,000	2,100	9,700	<25	--
LAIx-3	9/11/2007	14,000	1,800	160	1,700	690	450	1,600	<0.5	--
LAIx-3(v)	11/26/2007	10,000	850	<94	1,600	22	560	1,100	<1	--
LAIx-3	2/26/2008	1,500	110	<95	18	<0.7	46	52	<0.5	--
LAIx-3	8/26/2008	3,800	1,000	130	310	450	160	290	<3	<250
LAIx-3	2/19/2009	12,400	420	<410	4,100	620	990	1,600	<100	<400
LAIx-3	8/25/2009	4,450	790	95J	3,660	10.3	719	310	<1	<250
LAIx-3	3/23/2010	30,000	342	<381	8,030	8,190	1,540	5,040	<1.0	<250
LAIx-3	8/24/2010	24,800	420	<430	8,640	4,130	1,400	4,840	<1.0	<250
LAIx-3	2/8/2011	18,100	292J	<385	3,070	2,720	767	2,440	<1.0	--
LAIx-3	5/16/2011	59,800	630	<380	8,230	12,700	1,790	7,590	<50.0	--
LAIx-3 (DUP)	5/16/2011	61,800 J	620	<380	8,260 J	12,800 J	1,810 J	7,710 J	<50.0 J	--
LAIx-3	8/10/2011	9,510	290	<400	3,050 J	72.1	534	1,250	<1.0	--
LAIx-3 (DUP)	8/10/2011	9,600	290	<390	3,010 J	68.4	542	1,280	<1.0	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
LAIx-3	11/15/2011	8,690 J	<75	<380	2,020	16.5	508	1,000	<1.0	--
LAIx-3	2/28/2012	71,300	750	<380	6,250	6,140	1,750	5,850	<1.0 J	--
LAIx-3	5/8/2012	33,500	620	<380	7,960	6,160	1,520	5,780	<5.0	--
LAIx-3	9/4/2012	31,700 ¹⁰	690	<390	7,850	141	1,800	5,440	<1.0	--
LAIx-3	11/13/2012	985	180	<110	97.1	<1.0	111	229	<1.0	--
LAIx-3	2/5/2013	1,860	<450	<450	217	1.3	258	152	<1.0	--
LAIx-3	5/1/2013	4,840	490	<500	1,580	302	469	592	<10.0	--
LAIx-3	8/14/2013	14,100	1,200	<400	6,260	23.8 J	1,040	1,800	<20.0	--
LAIx-3	11/22/2013	12,100	940 J	<400	6,100	55.5	839	1,430	<1.0	--
LAIx-3	2/13/2014	47,600	1,400	<400	8,840	3,540	1,780	6,350	<20.0	--
LAIx-3	4/30/2014	55,900	800	<28	10,100	7,060	1,590	6,410	<8.4	--
LAIx-3 (DUP)	4/30/2014	55,800	930	<29	9,760	6,830	1,510	6,060	<8.4	--
LAIx-4	8/26/2008	9,900	--	--	2,200	180	270	1,400	<1	<100
LAIx-5	11/29/2005	180,000	13,000	570	42,000	49,000	2,300	12,000	--	--
LAIx-5	8/26/2008	220,000	3,900	<480	31,000	45,000	3,600	19,000	<50	<5000
LAIx-5	2/17/2017	2,620	<390	<390	32.3	57.0	37.0	433	---	---
LAIx-5	9/28/2017	29,200	1,900	<430	9,600	174	1,020	6,400	---	---
LAIx-6	11/29/2005	70,000	9,700	600	22,000	22,000	850	4,300	--	--
LAIx-6	8/26/2008	190,000	6,300	<950	31,000	45,000	3,200	16,000	<25	<2500
LAIx-6	2/17/2017	38,900	1,200	<410	4,440	6,740	510	3,070	---	---
LAIx-6	2/17/2017	43,700	930	<390	5,090	6,890	561	3,410	---	---
LAIx-6	9/28/2017	134,000	3,200	<400	28,700	26,600	2,570	14,700	---	---
LAI-7	7/28/2005	160,000	17,000	<4700	160,000	32,000	2,500	14,000	<30	--
LAIx-7	9/21/2005	220,000	7,100	<950	43,000	55,000	4,300	21,000	--	--
LAIx-7	8/27/2008	79,000	4,200	<480	12,000	27,000	2,200	11,000	<13	<1300
LAIx-8	9/21/2005	140,000	6,400	<940	29,000	33,000	3,300	15,000	--	--
LAIx-8	11/29/2005	130,000	5,100	<190	33,000	35,000	2,900	14,000	--	--
LAIx-8	8/26/2008	180,000	7,300	<2000	28,000	40,000	3,300	16,000	<10	<1000
LAIx-9	11/29/2005	110,000	8,300	<950	37,000	45,000	2,600	21,000	--	--
LAIx-9	8/27/2008	140,000	3,800	<490	17,000	32,000	2,600	15,000	<10	<1000
LAI-10	2/26/2003	<50	<0.25	<0.5	<0.5	0.991	<0.5	1.37	--	--
LAI-10 (DUP)	2/26/2003	<50	<0.25	<0.5	<0.5	0.757	<0.5	1.18	--	--
LAI-10	3/24/2003	<50	<0.25	<0.5	1.35	2.67	<0.5	1.36	--	--
LAI-10	4/17/2003	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-10	5/28/2003	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-10	8/11/2003	<50	<0.25	<0.5	<0.5	1.75	0.757	4.54	--	--
LAI-10	11/20/2003	<50	2	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-10	3/16/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-10	6/22/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-10	9/22/2004	<50	0	<0.5	<0.5	0.666	<0.5	<1	--	--
LAI-10	12/21/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-10	3/21/2005	<100	<0.238	<0.475	<1	<1	<1	<3	--	--
LAI-10	6/23/2005	<100	<0.237	<0.474	3.52	<1	<1	<1	<1	--
LAI-10	7/29/2005	<48	<76	<95	23	0.3	<0.2	<0.6	<0.3	--
LAI-10	9/20/2005	<48	<75	94	32	2	0.5	2.8	--	--
LAI-10	12/1/2005	<48	200	<95	<0.5	<0.7	<0.8	<0.8	--	--
LAI-10 (DUP)	11/28/2005	<48	520	220	<0.5	1	<0.8	<0.8	--	--
LAI-10	2/28/2006	<48	<77	<96	<0.5	4	<0.8	<0.8	<0.5	--
LAI-10 (DUP)	3/1/2006	<48	88	<95	<0.5	10	<0.8	<0.8	<0.5	--
LAI-10	5/17/2006	<48	<75	<94	<0.2	3.4	<0.2	<0.6	<0.3	--
LAI-10 (DUP)	5/17/2006	<48	<75	<120	0.6	4.5	<0.2	<1	<0.3	--
LAI-10	8/16/2006	<48	<76	<96	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-10	11/20/2006	<48	<77	<96	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-10	2/19/2007	<48	<75	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-10	5/14/2007	<50	<78	<97	<0.5	<0.7	<0.8	<0.8	<0.5	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
LAI-10	9/11/2007	<50	98	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-10	11/26/2007	<250	<76	<95	<5	<7	<8	<8	<5	--
LAI-10	2/26/2008	140	<75	<94	12	1	4	12	<0.5	--
LAI-10	8/26/2008	<50	<76	<96	<0.5	<0.7	<0.8	<0.8	<0.5	<50
LAI-10	2/18/2009	<50	<82	<410	<1	<1	<1	<1	<1	<400
LAI-10	8/25/2009	<50	<77	<380	<1	<1	<1	<3	<1	<250
LAI-10	3/23/2010	<50	<76.2	<381	<1	<1	<1	<3	<1	<250
LAI-10	8/24/2010	<50.0	<76.9	<385	<1.0	<1.0	<1.0	<3.0	<1.0	<250
LAI-10	2/9/2011	<50.0	<76.2	<381	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	5/17/2011	<50.0 J	<75	<380	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
LAI-10	8/9/2011	<50.0	<80	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	11/15/2011	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	2/27/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	5/8/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	9/4/2012	96.4	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	11/13/2012	<100	<100	<100	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	2/5/2013	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	5/1/2013	<100	<200	<450	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	8/14/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	11/22/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	2/12/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	4/30/2014	<50	<48	<28	<0.15	<0.11	<0.16	<0.40	<0.17	--
LAI-11	2/26/2003	<50	0.40	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-11	3/24/2003	<50	0.43	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-11	4/17/2003	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-11	5/28/2003	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-11	11/20/2003	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-11	3/16/2004	<50	<0.25	<0.5	<0.5	0.634	<0.5	<1	--	--
LAI-11	6/22/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-11	9/22/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-11	12/21/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-11	3/21/2005	<100	<0.236	<0.473	<1	1	<1	<3	--	--
LAI-11	6/23/2005	<100	<0.237	<0.474	222	1.11	2.82	19.2	<1	--
LAI-11	7/29/2005	<48	<76	<95	55	0.5	4.2	3.2	<0.3	--
LAI-11	9/20/2005	<48	95	<94	32	2	0.5	2.8	--	--
LAI-11	12/1/2005	<48	110	<94	15	<0.7	0.9	3	--	--
LAI-11	2/27/2006	<48	81	<96	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-11	5/17/2006	<48	<75	<94	<0.2	<0.2	<0.2	<0.6	<0.3	--
LAI-11	8/16/2006	<48	<77	<96	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-11	11/20/2006	<48	760	190	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-11	2/19/2007	<48	110	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-11	5/14/2007	<50	160	<96	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-11	9/11/2007	<50	190	<95	55	<0.7	<0.8	<0.5	<0.5	--
LAI-11	11/26/2007	<50	170	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-11	2/26/2008	<50	<75	<94	14	<0.7	<0.8	<0.8	<0.5	--
LAI-11	8/26/2008	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	<50
LAI-11	2/18/2009	<50	<82	<410	<1	<1	<1	<1	<1	<400
LAI-11	8/25/2009	<50	38J	<380	<1	<1	<1	<3	<1	<250
LAI-11	3/23/2010	<50	<76.2	<381	<1	<1	<1	<3	<1	<250
LAI-11	8/24/2010	<50.0	<76.9	<385	<1.0	<1.0	<1.0	<3.0	<1.0	<250
LAI-11	2/9/2011	117	<76.2	<381	<1.0	13.1	<1.0	<3.0	<1.0	--
LAI-11	8/9/2011	<50.0	<90	<450	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-11	2/27/2012	<50.0	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-11	9/4/2012	90.3	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-11	2/5/2013	<100	<440	<440	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-11	8/14/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-11	2/12/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	5/28/2003	<50	<0.25	<0.5	<0.5	<0.5	<0.5	1.81	--	--
LAI-12	8/11/2003	<50	0	<0.5	<0.5	<0.5	<0.5	2.21	--	--
LAI-12	11/20/2003	61	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-12	3/16/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
LAI-12	6/22/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-12	9/22/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-12	12/21/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-12	3/21/2005	<100	<0.242	<0.485	<1	<1	<1	<3	--	--
LAI-12	6/23/2005	<100	0.606 (b)	<0.476	<1	<1	<1	<3	<1	--
LAI-12	7/29/2005	<48	430	<95	<0.2	<0.2	<0.2	<0.6	<0.3	--
LAI-12	9/20/2005	<48	1,300	<320	1.6	3.9	<0.5	2.7	--	--
LAI-12	12/1/2005	<48	300	100	<0.5	<0.7	<0.8	<0.8	--	--
LAI-12	2/27/2006	<48	78	<97	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-12	5/17/2006	<48	410	<94	<0.2	<0.2	<0.2	<0.6	<0.3	--
LAI-12	8/17/2006	<48	1,200	130	<0.5	1	<0.8	<0.8	<0.5	--
LAI-12	11/20/2006	<48	600	120	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-12	2/19/2007	<48	530	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-12	5/14/2007	<50	810	<96	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-12	9/11/2007	99	1,100	140	16	9	<2	9	<0.5	--
LAI-12	11/26/2007	<50	620	<95	0.7	<0.7	<0.8	3	<0.5	--
LAI-12	2/26/2008	<50	84	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-12	8/26/2008	<50	260	<95	<0.5	<0.7	<0.8	<0.8	<0.5	<50
LAI-12	2/18/2009	<50	<82	<410	<1	<1	<1	<1	<1	<400
LAI-12	8/25/2009	<50	53J	<380	<1	<1	<1	<3	<1	<250
LAI-12	3/23/2010	<50	<76.2	<381	<1	<1	<1	<3	<1	<250
LAI-12	8/24/2010	<50.0	<77.7	<388	<1.0	<1.0	<1.0	<3.0	<1.0	<250
LAI-12	2/9/2011	<50.0	<76.9	<385	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	5/17/2011	<50.0 J	<75	<380	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
LAI-12	8/9/2011	<50.0	<78	<390	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	11/16/2011	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	2/27/2012	<50.0	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	5/8/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	9/4/2012	<50.0	<81	<400	<1.0	1.7	1.4	8.9	<1.0	--
LAI-12	11/13/2012	<100	<110	<110	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	2/5/2013	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	5/1/2013	<100	<200	<390	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	8/14/2013	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	11/22/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	2/12/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	4/30/2014	<50	<50	<29	<0.15	<0.11	<0.16	<0.40	<0.17	--
LAI-13	5/28/2003	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-13	8/11/2003	<50	<0.25	<0.5	<0.5	0.647	<0.5	<1	--	--
LAI-13	11/20/2003	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-13	3/15/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-13	6/22/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-13	9/21/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-13	12/21/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-13	3/21/2005	<100	<0.237	<0.473	<1	<1	<1	<3	--	--
LAI-13	6/23/2005	<100	<0.236	<0.472	<1	<1	<1	<3	<1	--
LAI-13	7/29/2005	<48	<77	<120	<0.2	<0.2	<0.2	<0.6	<0.3	--
LAI-13	9/20/2005	<48	<75	<93	<0.5	<0.5	<0.5	<1.5	--	--
LAI-13	12/1/2005	<48	<75	<94	<0.5	<0.7	<0.8	<0.8	--	--
LAI-13	2/27/2006	<48	<78	<97	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-13	5/16/2006	<48	<76	<95	<0.2	<0.2	<0.2	<0.6	<0.3	--
LAI-13	8/16/2006	<84	<75	<94	<0.5	3	<0.8	<6	<0.5	--
LAI-13	11/21/2006	<48	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-13	2/20/2007	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-13	5/15/2007	<50	<78	<97	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-13	9/11/2007	<50	240	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-13	11/26/2007	<50	180	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-13	2/26/2008	<50	<75	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-13	8/25/2008	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	<50
LAI-13	2/18/2009	<50	<82	<410	<1	<1	<1	<1	<1	<400
LAI-13	8/25/2009	<50	59J	<510	<1	<1	<1	<3	<1	<250
LAI-13	3/22/2010	<50	<76.2	<381	<1	<1	<1	<3	<1	<250
LAI-13	8/24/2010	<50.0	<78.4	<392	<1.0	<1.0	<1.0	<3.0	<1.0	<250

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
LAI-13	2/10/2011	<50.0	<75.8	<379	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-13	8/11/2011	<50.0	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-13	2/21/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-13	8/28/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-13	1/30/2013	<100	<470	<470	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-13	8/15/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-13	2/5/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-13	9/24/2019	<100	<392	<392	<1.0	<1.0	<1.0	<3.0	---	---
LAI-14	2/25/2003	50	0.27	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-14	3/25/2003	66	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-14	4/18/2003	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-14	5/28/2003	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-14	8/11/2003	<50	0.28	<0.5	<0.5	0.631	<0.5	<1	--	--
LAI-14	11/20/2003	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-14	3/15/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-14	6/22/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-14	9/21/2004	<50	0	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-14	12/21/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-14	3/21/2005	<100	<0.237	<0.473	<1	1.45	<1	<3	--	--
LAI-14	6/23/2005	<100	0.26	<0.475	<1	<1	<1	<3	<1	--
LAI-14	7/29/2005	57	140	190	0.2	<0.2	<0.2	<0.6	<0.3	--
LAI-14	9/21/2005	<48	--	--	<0.5	<0.5	<0.5	<1.5	--	--
LAI-14	12/1/2005	<48	<75	<94	<0.5	<0.7	<0.8	<0.8	--	--
LAI-14	2/27/2006	55	<77	<96	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-14	5/16/2006	<48	<77	<97	<0.2	<0.2	<0.2	<0.6	<0.3	--
LAI-14	8/16/2006	72	<77	<97	<0.5	1	<0.8	2	<0.5	--
LAI-14	11/21/2006	<48	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-14	2/20/2007	<48	<75	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-14	5/15/2007	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-14	9/11/2007	<50	<76	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-14	11/26/2007	<50	<77	<96	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-14	2/26/2008	<50	<75	<93	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-14	8/25/2008	<50	<75	<94	<0.5	<0.7	<0.8	<0.8	<0.5	<50
LAI-14	2/18/2009	<50	<83	<410	<1	<1	<1	<1	<1	<400
LAI-14	8/25/2009	<50	<150	<750	<1	<1	<1	<3	<1	<250
LAI-14	3/22/2010	<50	<75.5	<377	<1	<1	<1	<3	<1	<250
LAI-14	8/24/2010	<50.0	<76.9	<385	<1.0	<1.0	<1.0	<3.0	<1.0	<250
LAI-14	2/10/2011	<50.0	<76.9	<385	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-14	8/11/2011	<50.0	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-14	2/21/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-14	8/28/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-14	1/30/2013	<100	<450	<450	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-14	8/15/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-14	2/5/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-14	8/12/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-14	11/25/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-14	2/13/2015	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	---
LAI-14	9/24/2019	<100	<392	<392	<1.0	<1.0	<1.0	<3.0	---	---
LAI-15	5/28/2003	104	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-15	8/11/2003	158	0.33	<0.5	<0.5	0.641	<0.5	1.95	--	--
LAI-15	11/20/2003	54	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-15	3/15/2004	154	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-15	6/22/2004	135	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-15	9/21/2004	92	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-15	12/21/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-15	3/21/2005	<100	<0.237	<0.473	<1	<1	<1	<3	--	--
LAI-15	6/23/2005	<100	<0.237	<0.473	<1	<1	<1	<3	<1	--
LAI-15	7/29/2005	76	<800	<1000	<0.2	0.3	<0.2	<0.6	--	--
LAI-15	9/21/2005	100	<75	<94	<0.5	<0.5	<0.5	<1.5	--	--
LAI-15	12/1/2005	67	<75	<94	<0.5	<0.7	<0.8	<0.8	--	--
LAI-15 (DUP)	11/28/2005	92	110	<94	<0.5	<0.7	<0.8	<0.8	--	--

Table 6

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES		
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol	
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--	
LAI-15	2/27/2006	77	<77	<97	<0.5	<0.7	<0.8	<0.8	<0.5	--	
LAI-15 (DUP)	3/1/2006	90	<76	<95	<0.5	0.8	0.8	<0.8	<0.5	--	
LAI-15	5/16/2006	98	<76	<95	<0.2	<0.2	<0.2	<0.6	<0.3	--	
LAI-15 (DUP)	5/17/2006	97	<76	<95	0.4	1	<0.2	<0.6	<0.3	--	
LAI-15	8/16/2006	85	<75	<93	<0.5	1	<0.8	1	<0.5	--	
LAI-15	11/21/2006	50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	
LAI-15	2/20/2007	75	<75	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--	
LAI-15	5/15/2007	83	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	
LAI-15	9/11/2007	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	
LAI-15	11/26/2007	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	
LAI-15	2/26/2008	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--	
LAI-15	8/25/2008	56	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	<50	
LAI-15	2/18/2009	<50	<83	<410	<1	<1	<1	<1	<1	<400	
LAI-15	8/25/2009	32.2J	<76	<380	<1	<1	<1	<3	<1	<250	
LAI-15	3/22/2010	<50	<75.5	<377	<1	<1	<1	<3	<1	<250	
LAI-15	8/24/2010	61	<77.3	<386	<1.0	<1.0	<1.0	<3.0	<1.0	<250	
LAI-15	2/9/2011	57.3	<76.9	<385	<1.0	<1.0	<1.0	<3.0	<1.0	--	
LAI-15	5/24/2011	248	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--	
LAI-15	8/11/2011	90.4	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--	
LAI-15 (DUP)	8/11/2011	73.9	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--	
LAI-15	2/21/2012	<50.0	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--	
LAI-15	8/28/2012	56.4	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--	
LAI-15	1/30/2013	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	<1.0	--	
LAI-15	8/15/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--	
LAI-15	2/5/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--	
LAI-16	2/25/2003	<50	<0.25	<0.5	<0.5	0.679	<0.5	1.09	--	--	
LAI-16	3/25/2003	<50	0.29	<0.5	<0.5	<0.5	<0.5	<1	--	--	
LAI-16 (DUP)	3/25/2003	<50	0.33	<0.5	<0.5	<0.5	<0.5	<1	--	--	
LAI-16	4/17/2003	<50	<0.25	<0.5	3.51	<0.5	<0.5	<1	--	--	
LAI-16	5/28/2003	705	<0.25	<0.5	523	14.9	<1	2.25	--	--	
LAI-16	11/21/2003	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--	
LAI-16 (DUP)	11/21/2003	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--	
LAI-16	3/16/2004	<50	<0.25	<0.5	2.7	0.796	<0.5	<1	--	--	
LAI-16 (DUP)	3/16/2004	<50	<0.25	<0.5	4.76	0.63	<0.5	<1	--	--	
LAI-16	6/22/2004	<50	<0.25	<0.5	8.52	<0.5	<0.5	<1	--	--	
LAI-16	12/21/2004	<50	<0.25	<0.5	<0.5	0.667	<0.5	<1	--	--	
LAI-16	3/21/2005	<100	<0.236	<0.471	<1	6.08	<1	<3	--	--	
LAI-16	6/23/2005	<100	<0.384 (d)	<0.473	<1	<1	<1	<3	<1	--	
LAI-16	9/21/2005				Insufficient Groundwater to Sample						
LAI-16	12/1/2005	<48	140	98	<0.5	<0.7	<0.8	<0.8	--	--	
LAI-16	3/1/2006	<48	160	<95	21	<0.7	<0.8	<0.8	<0.5	--	
LAI-16	5/17/2006	<48	78	<94	1.8	0.3	<0.2	<0.6	<0.3	--	
LAI-16	8/16/2006				Insufficient Groundwater to Sample						
LAI-16	11/20/2006	<48	91	<95	<0.5	0.8	<0.8	1	<0.5	--	
LAI-16	2/19/2007	<48	120	<94	17	<0.7	<0.8	<0.8	<0.5	--	
LAI-16	5/14/2007	<50	--	--	0.7	<0.7	<0.8	<0.8	<0.5	--	
LAI-16	9/11/2007				Insufficient Groundwater to Sample						
LAI-16	11/26/2007				Insufficient Groundwater to Sample						
LAI-16	2/26/2008	310	300	<94	64	6	11	20	<0.5	--	
LAI-16	2/19/2009	<50	<82	<410	<1	<1	1	1	<1	<400	
LAI-16	8/25/2009				Insufficient Groundwater to Sample						
LAI-16	3/23/2010	<50	<75.5	<377	<1	<1	<1	<3	<1	<250	
LAI-16	8/26/2010				Insufficient Groundwater to Sample						
LAI-16	5/16/2011	<50 J	<75	<380	<1 J	<1 J	<1 J	<3 J	<1 J	--	
LAI-16	3/1/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--	
LAI-16	2/8/2013	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	<1.0	--	
RW-1	11/30/2005	55	<75	<94	1	6	<0.8	4	--	--	
RW-1	8/25/2008	<50	<78	<97	<0.5	<0.7	<0.8	<0.8	<0.5	<50	
RW-1	2/18/2009	<50	<80	<400	<1	<1	<1	<1	<1	<400	
RW-1	8/25/2009				Insufficient Groundwater to Sample						
RW-1	3/23/2010	<50	<78.4	<392	<1	<1	<1	<3	<1	<250	

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
RW-1	8/23/2010	Insufficient Groundwater to Sample								
RWx-2	9/20/2005	130,000	3,000	<470	16,000	30,000	2,200	12,000	--	--
RWx-2	8/26/2008	100,000	610	<96	1,600	16,000	1,600	9,700	<1	<100
RWx-2 (DUP)	8/27/2008	62,000	5,600	<970	180	5,500	1,100	9,800	<3	<250
RWX-2	11/18/2016	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---
RWX-2	2/17/2017	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
RWX-2	5/26/2017	<100	<410	<410	<1.0	2.2	1.4	3.2	---	---
RWX-2	9/28/2017	28,000	1,100	<380	2,210	7,340 J	416	2,180	---	---
RWX-2	12/14/2017	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
RWX-2	3/2/2018	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---
RWX-2	6/27/2018	139	530	<420	1.1	<1.0	4.8	<3.0	---	---
RWX-2	8/29/2018	12,900	1,700	<430	1,190	2,700	222	1,060	---	---
RWX-2	12/19/2018	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	---	---
RW-3	7/28/2005	79,000	57,000	4,700	1,400	8,700	1,300	8,800	15	--
RW-3	11/30/2005	4,100	2,700	130	20	200	30	220	--	--
RW-3	2/28/2006	270	<78	<97	6	46	4	23	<0.5	--
RW-3	5/16/2006	2,600	1,700	<94	34	190	26	200	<5	--
RW-3	8/17/2006	12,000	2,400	150	480	1,700	130	930	<0.5	--
RW-3	11/21/2006	3,200	1,700	<95	26	220	50	310	<0.5	--
RW-3	2/20/2007	1,100	300	<94	12	96	12	77	<0.5	--
RW-3	5/15/2007	4,000	3,000	<480	240	1,200	140	900	<1	--
RW-3	9/12/2007	88,000	--	--	940	9,900E	1,500	8,700	<0.5	--
RW-3	11/27/2007	1,100	310	<94	12	100	14	97	<0.5	--
RW-3	2/26/2008	6,500	47,000	<1900	25	370	140	760	<0.5	--
RW-3	8/25/2008	830	440	<97	12	45	15	95	<0.5	<50
RW-3	2/19/2009	266	110	<410	<1	9.9	3.2	20	<1	<400
RW-3	8/25/2009	Insufficient Groundwater to Sample								
RW-3	3/23/2010	1,200	1,150	<385	1.8	69.5	23.2	138	<1	<250
RW-3	8/23/2010	Insufficient Groundwater to Sample								
RW-3	2/27/2012	3,700	2,400	<380	5.4	111	62.5	351	<1.0	--
RW-3	8/24/2012	2,710	2,100	<420	34.0	17.7	92.3	456	<1.0	--
RW-3	2/1/2013	366	15,400	700	<1.0	2.3	6.6	40.2	<1.0	--
RW-4	8/26/2008	4,100	2,200	<98	7	88	77	590	<0.5	<50
RW-4	2/19/2009	<50	<80	<400	<1	2.4	<1	3.5	<1	<400
RW-4	8/25/2009	Insufficient Groundwater to Sample								
RW-4	3/24/2010	84	<77.7	<388	<1	5.7	1.4	11.2	<1	<250
RW-4	8/26/2010	5,340	172	<400	123	1,250	230	1,430	<1.0	<250
RW-4	2/10/2011	<50.0	<76.9	<385	<1.0	<1.0	<1.0	<3.0	<1.0	--
RW-4	8/12/2011	5,820	<76	<380	151	551	176	770	<1.0	--
RW-4	11/18/2011	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
RW-4	2/23/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	3	<1.0	--
RW-4	5/11/2012	241	<80	<400	10.4	88.4	17.0	95.4	<1.0	--
RW-4	8/24/2012	1,350	<82	<410	26.9	77.7	42.3	183	<1.0	--
RW-4	11/9/2012	101	<100	<100	<1.0	3.1	3.1	17.5	<1.0	--
RW-4	1/31/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
RW-4 (DUP)	1/31/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
RW-4	5/3/2013	138	<200	290	<1.0	2.4	1.6	10	<1.0	--
RW-4	8/22/2013	4,080	1,600	<430	21.5	47.2	33.3	174	<1.0	--
RW-4	11/20/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
RW-4 (DUP)	11/20/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
RW-4	2/11/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
RW-4	5/7/2014	<50	<48	<28	<0.15	<0.11	<0.16	<0.40	<0.17	--
RWx-5	8/26/2008	43,000	1,700	<99	3,800	9,500	810	4,300	<5	<500
RWx-5	2/19/2009	2,690	350	<400	37	120	10	530	<1	<400
RWx-5	8/25/2009	190,000	1,600	84J	30,200	43,500	3,260	17,200	<1	<250
RWx-5 (DUP)	8/25/2009	191,000	1,300	120J	28,300	40,700	22,820	14,600	<1	<250
RWx-5	3/24/2010	827	<76.2	<381	26.3	44.9	3.8	192	<1	<250
RWx-5	8/26/2010	16,200	193	<396	2,700	3,140	375	1,660	<1.0	<250
RWx-5 (DUP)	8/26/2010	29,800	582	<412	4,190	7,990	1,130	4,140	<1.0	<250

Table 6

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES		
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol	
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--	
RWx-5	2/11/2011	1,730	<78.4	<392	18.8	38.2	5.9	325	<1.0	--	
RWx-5	5/25/2011	689	<75	<380	4.5	9.5	2.4	96.1	<1.0	--	
RWx-5	8/15/2011	72,400	550	<380	4,480	26,100	1,640	7,290	<1.0	--	
RWx-5	11/18/2011	309	<76	<380	21.6	48.5	<1.0	25.7	<1.0	--	
RWx-5	2/23/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--	
RWx-5	5/11/2012	1,970	<79	<400	6.7	113	19.6	862	<1.0	--	
RWx-5	8/27/2012	67,300	420	<380	2,620	18,100	1,260	6,010	<50.0	--	
RWx-5	11/9/2012	1,460	380	<110	5.2	183	48.7	431	<1.0	--	
RWx-5 (DUP)	11/9/2012	1,430	230J	<110	4.0	148	42.3	398	<1.0	--	
RWx-5	1/31/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--	
RWx-5	5/3/2013	67,800	360	320	8,540	18,300	1,300	6,740	<100	--	
RWx-5	8/22/2013	52,300	<420	<420	977	2,130	107	658	<100	--	
RWx-5	11/20/2013	<100	<400	<400	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--	
RWx-5	2/7/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--	
RWx-5	5/7/2014	<50	<48	<28	<0.15	<0.11	<0.16	<0.40	<0.17	--	
RW-6	8/27/2008	84	<79	<99	<0.5	<0.7	<0.8	2	<0.5	<50	
RW-6	2/18/2009	50	<80	<400	<1	<1	<1	<1	<1	<400	
RW-6	8/25/2009				Insufficient Groundwater to Sample						
RW-6	3/24/2010	<50	<75.8	<379	<1	<1	<1	<3	<1	<250	
RW-6	8/23/2010				Insufficient Groundwater to Sample						
RWx-7	8/27/2008	65,000	5,400	<980	180	4,800	1,200	8,900	<3	<250	
RWx-7	2/19/2009	13,700	1,900	<410	1	22	35	1,100	<1	<400	
RWx-7	8/25/2009	39,100	1,600	110J	2,990	2,670	279	3,210	<1	<250	
RWx-7	3/24/2010	939	124	<381	<1	<1	<1	12	<1	<250	
RWx-7	8/26/2010	19,600	742	<421	352	1,270	462	3,280	<1.0	<250	
RWx-7	2/11/2011	<50.0	<76.9	<385	<1.0	<1.0	<1.0	<3.0	<1.0	--	
RWx-7	8/12/2011	25,600	580	<380	1,590	3,870	552	2,650	<1.0	--	
RWx-7	2/23/2012	88.0	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--	
RWx-7	8/27/2012	23,600	630	<390	1,100	3,900	361	2,550	<5.0	--	
RWx-7	1/30/2013	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	<1.0	--	
RWx-7	8/22/2013	30,300	530	<420	1,830	4,460	370	2,100	<25.0	--	
RWx-7	2/11/2014	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--	
RWX-7	11/18/2016	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---	
RWX-7	2/17/2017	1,360	<400	<400	<1.0	<1.0	<1.0	24.2	---	---	
RWX-7	5/26/2017	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---	
RWX-7	9/28/2017	932	<420	<420	272	10.6	1.5	40.6	---	---	
RWX-7	12/14/2017	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	---	---	
RWX-7	3/2/2018	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---	
RWX-7	6/27/2018	<100	<430	<430	9.9	<1.0	<1.0	<3.0	---	---	
RWX-7	8/29/2018	2,540	960	<400	290	263	31.1	87.3	---	---	
RWX-7	12/19/2018	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	---	---	
HWx-1E	9/21/2005	3,800	610	<94	460	21	220	90	--	--	
HWx-1E	11/30/2005	4,900	720	<95	2,300	250	220	590	--	--	
HWx-1E	3/1/2006	80,000	2,200	<480	9,000	12,000	1,400	7,600	<5	--	
HWx-1E	5/17/2006	69,000	1,100	860	10,000	9,800	1,700	7,600	<200	--	
HWx-1E	8/16/2006	23,000	2,800	<940	5,300	1,300	840	3,700	<1	--	
HWx-1E	11/20/2006	750	91	<94	70	14	29	75	<0.5	--	
HWx-1E	2/19/2007	42,000	1,400	<94	6,300	5,100	1,200	3,700	<5	--	
HWx-1E	5/14/2007	80,000	1,300	<96	8,800	12,000	1,600	7,400	<10	--	
HWx-1E	9/11/2007	4,800	1,100	<94	750	34	200	620	<0.5	--	
HWx-1E	11/26/2007	310	170	<97	240	7	3	29	<0.5	--	
HWx-1E	2/26/2008	300	320	<95	65	7	13	23	<0.5	--	
HWx-1E	8/26/2008	1,200	390	<96	250	220	13	69	<0.5	<50	
HWx-1W	11/29/2005	1,200	590	<95	420	<1	62	120	--	--	
HWx-1W	2/28/2006	54,000	1,500	<190	2,700	6,400	780	3,200	<3	--	
HWx-1W	5/17/2006	73,000	1,100	<190	6,800	12,000	1,500	7,400	<100	--	
HWx-1W	8/16/2006	8,500	970	120	2,000	280	440	1,300	<0.5	--	
HWx-1W	11/20/2006	220	89	<96	12	1	8	30	<0.5	--	
HWx-1W	2/19/2007	11,000	1,100	140	1,500	1,300	470	1,500	<1	--	

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
HWx-1W	5/14/2007	38,000	980	<95	6,200	4,900	1,000	4,100	<5	--
HWx-1W	9/11/2007	1,800	1,700	<950	2,000	4	210	180	<0.5	--
HWx-1W	11/26/2007	680	440	<96	1,700	16	20	76	<1	--
HWx-1W	2/26/2008	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--
HWx-1W	8/26/2008	84	120	<95	1	<0.7	1	2	<0.5	<50
MW-1	11/15/2011	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	2/28/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	5/8/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	9/4/2012	<50	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	11/7/2012	<100	<110	<110	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	2/5/2013	<100	<460	<460	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	5/1/2013	<100	<200	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	8/14/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	11/22/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	2/13/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	4/30/2014	<50	<48	<28	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-1	8/13/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	11/23/2014	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	2/13/2015	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	11/16/2016	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	--	--
MW-1	2/16/2017	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	--	--
MW-1	5/24/2017	<100	<440	<440	<1.0	<1.0	<1.0	<3.0	--	--
MW-1	9/27/2017	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	--	--
MW-1	12/13/2017	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	--	--
MW-1	2/28/2018	<100	<380	<380	<1.0 J	<1.0 J	<1.0 J	<3.0 J	--	--
MW-1	6/26/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	--	--
MW-1	8/28/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	--	--
MW-1	12/18/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	--	--
MW-1	3/14/2019	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	--	--
MW-1	9/23/2019	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	--	--
MW-2	11/16/2011	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	2/28/2012	86.4	<150	<730	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	5/14/2012	<100	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	9/4/2012	<50.0	<78	<390	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	11/7/2012	<100	<110	<110	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	2/8/2013	103	<450	<450	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	5/1/2013	113	210	<390	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	8/23/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	11/22/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	2/13/2014	189	<400	<400	<1.0	<1.0	<1.0	<2.0	<4.0	--
MW-2	4/30/2014	134	<50	<29	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-2	8/13/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	11/23/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	2/13/2015	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	11/16/2016	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	--	--
MW-2	2/16/2017	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	--	--
MW-2	5/24/2017	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	--	--
MW-2	9/27/2017	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	--	--
MW-2	12/13/2017	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	--	--
MW-2	2/28/2018	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	--	--
MW-2	6/26/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	--	--
MW-2	8/28/2018	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	--	--
MW-2	12/18/2018	118	<400	<400	<1.0	<1.0	<1.0	<3.0	--	--
MW-2	3/14/2019	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	--	--
MW-2	9/23/2019	<100	<392	<392	<1.0	<1.0	<1.0	<3.0	--	--
MW-3	11/17/2011	<50.0	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-3	3/1/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-3	5/14/2012	<50.0	350	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-3	8/28/2012	463	<76	<380	<1.0	181	<1.0	<3.0	<1.0	--
MW-3	11/7/2012	206	<120	<120	<1.0	143J	<1.0	<3.0	<1.0	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
MW-3	2/8/2013	133	<450	<450	1.7	36.6	<1.0	<3.0	<1.0	--
MW-3	5/6/2013	<100	<200	<200	<1.0	17.1	<1.0	<3.0	<1.0	--
MW-3	8/16/2013	187	<420	<420	<1.0	84.1	<1.0	<3.0	<1.0	--
MW-3	11/26/2013	<100	<400	<400	<1.0	6.9	<1.0	<3.0	<1.0	--
MW-3	2/10/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-3	5/1/2014	<50	<50	<29	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-3	8/14/2014	<100	<400	<400	<1.0	1.5	<1.0	<3.0	<1.0	--
MW-3	11/23/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-3	2/17/2015	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	<1.0	---
MW-3	11/16/2016	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-3	2/16/2017	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---
MW-3	5/24/2017	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	---	---
MW-3	9/27/2017	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-3	9/27/2017	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-3	12/13/2017	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---
MW-3	2/27/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-3	6/26/2018	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-3	8/28/2018	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---
MW-3	12/18/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-3	3/14/2019	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	---	---
MW-3	9/24/2019	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-4	11/17/2011	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	3/1/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	5/14/2012	<50.0	<82	<410	<1.0 ^(SS)	<1.0 ^(SS)	<1.0	<3.0	<1.0	--
MW-4	8/28/2012	<50.0	<80	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	11/7/2012	<100	<110UJ	<110UJ	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	2/8/2013	<100	<440	<440	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	5/6/2013	<100	<200	<200	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	8/16/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	11/26/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	2/10/2014	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	5/1/2014	<50	<48	600	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-4	8/14/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	11/23/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	2/17/2015	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	---
MW-4	11/16/2016	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---
MW-4	2/16/2017	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-4	5/24/2017	<100	<510	<510	<1.0	2.4	<1.0	<3.0	---	---
MW-4	9/27/2017	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---
MW-4	12/13/2017	<100	<380	<380	<1.0	1.0	<1.0	<3.0	---	---
MW-4	2/27/2018	<100	<380	<380	<1.0	2.1	1.4	<3.0	---	---
MW-4	6/26/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-4	8/28/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-4	12/19/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-4	3/14/2019	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	---	---
MW-4	9/24/2019	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-5	11/17/2011	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	3/1/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	5/14/2012	<50.0	<83	<420	<1.0 ^(SS)	<1.0 ^(SS)	<1.0	<3.0	<1.0	--
MW-5	8/28/2012	<50.0	<83	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	11/7/2012	<100	<100UJ	<100UJ	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	2/7/2013	<100	<470	<470	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	5/6/2013	<100	<200	<200	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	8/16/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	11/26/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	2/10/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	5/1/2014	<50	<48	<28	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-5	8/14/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	11/23/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	2/17/2015	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	---
MW-5	11/17/2016	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	---	---

Table 6

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
MW-5	2/16/2017	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---
MW-5	5/24/2017	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	---	---
MW-5	9/28/2017	<100	<380	720	<1.0	<1.0	<1.0	<3.0	---	---
MW-5	12/13/2017	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-5	2/27/2018	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---
MW-5	6/26/2018	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-5	8/28/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-5	12/19/2018	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---
MW-6	11/16/2011	<50.0	<77	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	3/1/2012	64.5	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	5/14/2012	62.6	<84	<420	<1.0 ^(SS)	<1.0 ^(SS)	<1.0	<3.0	<1.0	--
MW-6	8/28/2012	<50.0	<82	<410	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	11/7/2012	<100	<110UJ	<110UJ	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	2/7/2013	<100	<440	<440	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	5/6/2013	<100	<200	<200	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	8/16/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	11/26/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	2/10/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	5/1/2014	<50	<48	<28	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-6	8/14/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	11/23/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	2/23/2015	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	---
MW-6	2/23/2015	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	---
MW-6	11/17/2016	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---
MW-6	11/17/2016	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---
MW-6	2/16/2017	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-6	5/24/2017	112	<440	<440	<1.0	<1.0	<1.0	<3.0	---	---
MW-6	9/28/2017	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---
MW-6	12/13/2017	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---
MW-6	2/28/2018	<100	<400	<400	<1.0 J	<1.0 J	<1.0 J	<3.0 J	---	---
MW-6	6/26/2018	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---
MW-6	8/28/2018	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	---	---
MW-6	12/19/2018	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-6	3/14/2019	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-6	9/24/2019	<100	<417	<417	<1.0	<1.0	<1.0	<3.0	---	---
MW-7	11/15/2011	7,530	380	<380	3,560	1,610	898	3,250	<1.0	--
MW-7	3/1/2012	58,000	1,300	<380	15,000	1,600	1,150	2,770	<1.0	--
MW-7	5/9/2012	32,900	1,500	<380	7,470	1,620	1,290	2,930	<50.0	--
MW-7	8/23/2012	24,700 ¹⁰	850	<390	8,930	1,220	1,880	3,310	1.1	--
MW-7	11/6/2012	28,000	3,100	<110	6,620	337	1,120	2,230	<20.0	--
MW-7	2/7/2013	17,500	3,800	<450	6,840	314	1,940	1,410	<50.0	--
MW-7	4/29/2013	19,600	<200	<200	6,400	310	2,410	1,360	<50.0	--
MW-7	8/13/2013	19,700	2,600	1,000	8,710	843	1,080	2,810	<50.0	--
MW-7	11/18/2013	12,100	1,000	<430	6,730	420	1,310	1,270	<50.0	--
MW-7 (DUP)	2/5/2014	18,400	930	<400	4,760	148	1,560	1,170	<20.0	--
MW-7	2/5/2014	18,900	1,200	<400	6,150 J	170 J	1,750 J	1,310 J	<20.0 J	--
MW-7	4/29/2014	17,200	1,200	<28	6,870	129	2,330	1,080	<8.4	--
MW-7	11/17/2016	11,300	2,200	<390	3,250	27.3	1,500	318	---	---
MW-7	5/24/2017	11,100	1,100	<430	2,790	32.7	924	263	---	---
MW-7	12/13/2017	4,630	27,400 J	<410	1,660	78.5	238	257	---	---
MW-7	3/1/2018	4,340 J	16,900	<370	2,470	68.4	382	208	---	---
MW-7	8/29/2018	19,400	1,800	<390	4,640	1,440	1,070	2,400	---	---
MW-8	11/15/2011	11,900	130	<380	3,670	365	431	1,510	2.6	--
MW-8	2/22/2012	9,370	220	<380	4,430	382	957	2,660	6.9	--
MW-8	5/10/2012	23,500	670	<410	9,090	542	841	2,280	<25.0	--
MW-8 (DUP)	5/10/2012	24,700	940	<380	8,940	571	855	2,320	8.0	--
MW-8	8/23/2012	17,500 ¹⁰	680	<380	9,570	670	1,090	2,780	5.1	--
MW-8	11/6/2012	10,300	1,400	<110	3,420	140	422	1,037	1.8	--
MW-8	1/29/2013	8,130	2,800	820	6,280	186	465	1,250	6.2	--
MW-8	4/29/2013	5,430	<200	<200	4,720	100	533	1,380	<50.0	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
MW-8	8/13/2013	12,700	1,800	820	7,460	58.8 J	708	1,670	<50.0	--
MW-8	11/19/2013	7,500	550	<420	4,550	<50.0	477	1,100	<50.0	--
MW-8	2/4/2014	7,650	520 J	<420	4,040	<50.0	447	931	<50.0	--
MW-8 (DUP)	2/4/2014	7,960	430 J	<400	3,940	<25.0	436	918	<25.0	--
MW-8	4/29/2014	7,780	480	<29	7,070	<5.5	552	1,120	<8.4	--
MW-8	11/17/2016	540	<400	<400	123	<1.0	2.6	24.7	---	---
MW-8	5/24/2017	1,460	<420	<420	1,330	25.8	13.0	73.1	---	---
MW-8	12/13/2017	692 J	650 J	<400	695	<5.0	10.3	<15.0	---	---
MW-8	3/1/2018	692	<380	<380	832 J	<5.0 J	39.7 J	<15.0 J	---	---
MW-8	3/1/2018	688	<380	<380	784 J	<5.0 J	37.4 J	<15.0 J	---	---
MW-8	8/29/2018	1,250	840	<390	194	4.1	8.5	10.6	---	---
MW-9	11/16/2011	1,950	<76	<380	1,430	2	5	7.7	1.2	--
MW-9	2/22/2012	566	120 J	<380	899	1.9 J	1.8 J	3.4 J	<1.0 J	--
MW-9 (DUP)	2/22/2012	535	260 J	<380	889	1.8 J	1.7 J	3.2 J	1.0 J	--
MW-9	5/9/2012	1,830	290	<430	625	1.4	1.7	<3.0	<1.0	--
MW-9	8/24/2012	1,070	270	<380	977	2.8	5.1	8.0	<1.0	--
MW-9	11/15/2012	1,330	220	<100	439	<2.0	2.3	<6.0	<2.0	--
MW-9	1/31/2013	224	<450	<450	180	<1.0	<1.0	<3.0	<1.0	--
MW-9	4/30/2013	1,210	<200	<200	1,150	<10.0	<10.0	<30.0	<10.0	--
MW-9	8/13/2013	1,790	1,500	<400	817	4.1 J	7.3	6.8	<1.0	--
MW-9	11/18/2013	869	430	<400	266	<2.0	2.2	<6.0	<2.0	--
MW-9	2/4/2014	1,520	650 J	<430	1,040	<5.0	6.4	<15.0	<5.0	--
MW-9	4/30/2014	2,050	550	<29	762	<0.55	<0.82	<2.0	<0.84	--
MW-9	11/16/2016	1,330	540	1,100	120	1.4	2.2	3.9	---	---
MW-9	2/16/2017	1,240	740	580	159	1.5	3.2	6.8	---	---
MW-9	5/25/2017	1,120	<500	<500	179	1.4	6.7	<3.0	---	---
MW-9	9/27/2017	849	580	<410	80.7	1.1	1.6	<3.0	---	---
MW-9	12/13/2017	950 J	600 J	<410	29.0	<1.0	<1.0	<3.0	---	---
MW-9	2/28/2018	1,320	410	<380	52.4 J	<1.0 J	5.8 J	<3.0 J	---	---
MW-9	6/27/2018	2,100	1,300	<410	258	1.2	8.2	4.4	---	---
MW-9	8/29/2018	1,230	960	<420	27.9	<1.0	1.7	<3.0	---	---
MW-9	12/19/2018	1,040	730	<380	13.1	<1.0	<1.0	<3.0	---	---
MW-10	11/17/2011	174	<75	<380	562	3	1.6	17.9	<1.0	--
MW-10 (DUP)	11/17/2011	113	<75	<380	440	2	<1.0	15.3	<1.0	--
MW-10	2/22/2012	434	160	<380	2.0	<1.0	<1.0	<3.0	<1.0	--
MW-10	5/10/2012	282	140	<390	65.4	3.5	5.7	15.7	<1.0	--
MW-10	11/9/2012	466	<110	<110	200	1.1	<1.0	3.2	<1.0	--
MW-10	2/1/2013	125	<440	<440	1.6	<1.0	<1.0	<3.0	<1.0	--
MW-10	4/30/2013	185	<200	<200	7.1	<1.0	<1.0	<3.0	<1.0	--
MW-10	8/20/2013	139	<400	<400	47.6	<1.0	<1.0	3.5	<1.0	--
MW-10	11/18/2013	116	<400	<400	57.9	2.2	<1.0	10.3	<1.0	--
MW-10	2/4/2014	125	<420	<420	27.4	<1.0	<1.0	<3.0	<1.0	--
MW-10	4/29/2014	415	<50	<29	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-10	8/12/2014	152	<400	<400	26.3	1.1	<1.0	3.7	<1.0	--
MW-10	11/25/2014	122	<400	<400	12.7	<1.0	<1.0	<3.0	<1.0	--
MW-10	2/17/2015	291	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	---
MW-10	11/16/2016	164	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-10	2/16/2017	189	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-10	5/24/2017	277	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-10	9/28/2017	<100	<410	<410	1.1 J	<1.0 J	<1.0 J	<3.0 J	---	---
MW-10	12/14/2017	<100	430	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-10	12/14/2017	<100	620	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-10	3/1/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-10	6/27/2018	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-10	8/28/2018	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-10	12/19/2018	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-10	3/14/2019	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---
MW-10 (DUP)	3/14/2019	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-10	9/25/2019	<100	<417	<417	<1.0	<1.0	<1.0	<3.0	---	---
MW-11	2/29/2012	128	82	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
MW-11	5/16/2012	177	<77	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-11	8/29/2012	145	<78	<390	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-11	11/16/2012	<100	<110	<110	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-11	2/6/2013	<100	<450	<450	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-11	5/7/2013	<100	<200	<200	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-11	8/21/2013	196	500	<420	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
MW-11	11/26/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-11	2/6/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-11	5/9/2014	<50	<30	<52	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-11	8/15/2014	114	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-11	11/21/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-11	2/18/2015	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-11	11/18/2016	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---
MW-11	2/17/2017	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---
MW-11	5/25/2017	<100	<510	<510	<1.0	<1.0	<1.0	<3.0	---	---
MW-11	9/27/2017	168	<400	480	<1.0	<1.0	<1.0	<3.0	---	---
MW-11	12/12/2017	117	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-11	2/28/2018	<100	<400	<400	<1.0 J	<1.0 J	<1.0 J	<3.0 J	---	---
MW-11	6/26/2018	207	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---
MW-11	8/28/2018	182	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-11	12/18/2018	105	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-11	3/14/2019	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-11	9/25/2019	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-12	2/29/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-12	5/16/2012	<50.0	<400	<2,000	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-12	8/29/2012	<50.0	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-12	11/14/2012	<100	<110	<110	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-12	5/7/2013	<100	<200	<200	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-12	8/21/2013	<100	<390	<390	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
MW-12	11/26/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-12	2/3/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-12	5/8/2014	<50	<32	<55	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-12	8/15/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-12	11/21/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-12	2/18/2015	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-12	11/18/2016	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-12	2/17/2017	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---
MW-12	2/17/2017	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---
MW-12	5/25/2017	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---
MW-12	9/27/2017	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-12	12/12/2017	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-12	2/28/2018	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-12	6/26/2018	<100	<450	<450	<1.0	<1.0	<1.0	<3.0	---	---
MW-12	8/28/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-12	12/18/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-12	3/14/2019	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	---	---
MW-12	9/25/2019	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-13	2/29/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-13	5/16/2012	<50.0	<78	<390	<1.0 ^(M1)	<1.0 ^(M1)	<1.0 ^(M1)	<3.0 ^(M1)	<1.0 ^(M1)	--
MW-13	9/5/2012	<50.0	<78	<390	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-13	11/14/2012	<100	<120	<120	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-13	2/6/2013	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-13	5/8/2013	<100	<200	<200	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-13	8/21/2013	<100	<390	<390	1.1 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
MW-13	11/26/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-13	2/6/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-13	5/8/2014	<50	<28	<48	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-13	8/15/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-13	11/21/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-13	2/18/2015	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-13	11/17/2016	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
MW-13	2/16/2017	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-13	5/25/2017	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	---	---
MW-13	9/27/2017	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-13	12/13/2017	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-13	2/28/2018	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---
MW-13	6/26/2018	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	---	---
MW-13	8/28/2018	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	---	---
MW-13	12/18/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-13	3/14/2019	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-13	9/24/2019	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-14	11/21/2011	123,000 J	640 J	<380 J	17,500 J	18,200 J	2,550 J	14,100 J	<1.0 J	--
MW-14	2/28/2012	110,000	1,400	<380	16,400 J	16,300 J	2,020 J	10,500 J	<1.0 J	--
MW-14	5/14/2012	133,000	2,000	<380	18,400 ^(SS)	2,3400 ^(SS)	2,090	11,900	<10.0	--
MW-14	11/16/2012	90,800	300	<110	17,900	15,600	1,780	10,720	<50.0	--
MW-14	2/6/2013	94,200	4,100	<470	16,300	15,400	1,740	10,400	<100	--
MW-14	5/2/2013	90,300	1,500	450	16,200	16,200	2,050	11,500	<100	--
MW-14	8/23/2013	150,000	1,300	540	23,600	21,300	2,670	15,000	<100	--
MW-14	11/18/2013	91,100	1,600	<420	21,100	15,700	2,470	13,400	<20.0	--
MW-14	2/12/2014	103,000	1,400	<400	14,000	11,800	1,770	10,700	<100	--
MW-14	5/6/2014	19,300	530	430	283	327	96.8	560	<3.4	--
MW-14	11/17/2016	30,300	1,800	1,500	6,910	585	1,040	4,800	---	---
MW-14	5/25/2017	60,800	850	<370	16,000	4,670	1,730	9,040	---	---
MW-14	12/14/2017	57,700	1,600	<390	14,000	3,630	1,690	8,530	---	---
MW-14	3/1/2018	34,900	550	<370	5,140 J	3,540 J	462 J	2,020 J	---	---
MW-14	3/1/2018	50,600	740	<390	8,920 J	6,400 J	966 J	4,370 J	---	---
MW-14	8/28/2018	58,700	2,400	<420	15,500	4,960	1,850	8,860	---	---
MW-15	11/21/2011	265 J	<76 J	<380 J	32.9 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
MW-15 (DUP)	11/21/2011	262 J	<77 J	<380 J	30.9 J	<1.0 J	1.4 J	<3.0 J	<1.0 J	--
MW-15	2/28/2012	195	<76	<380	52.2	<1.0	1.8	<3.0	<1.0	--
MW-15	5/11/2012	266	130	<380	35.0	<1.0	3.2	<3.0	<1.0	--
MW-15	8/27/2012	226	<84	<420	40.3	<1.0	<1.0	<3.0	<1.0	--
MW-15 (DUP)	8/27/2012	203	<83	<420	39.5	<1.0	1.2	<3.0	<1.0	--
MW-15	11/12/2012	445	<110	<110	76.5	<1.0	1.3	<3.0	<1.0	--
MW-15	2/4/2013	294	<430	<430	35.2	<1.0	3.2	<3.0	<1.0	--
MW-15	5/3/2013	309	320	340	42.3	<1.0	3.5	<3.0	<1.0	--
MW-15	8/23/2013	450	1,500	<430	58.5	<1.0	1.1	<3.0	<1.0	--
MW-15	11/20/2013	348	<400	<400	42.9	<1.0	<1.0	<3.0	<1.0	--
MW-15	2/7/2014	520	<400	<400	41.1	<1.0	1.6	<3.0	<1.0	--
MW-15	5/7/2014	278	<48	<28	28.4	1.1	1.6	<0.40	<0.17	--
MW-15	11/18/2016	353	420	<400	18.2	<1.0	<1.0	<3.0	---	---
MW-15	2/17/2017	1,210	<370	<370	<1.0	<1.0	<1.0	24.4	---	---
MW-15	5/26/2017	165	<430	<430	11.8	<1.0	1.6	<3.0	---	---
MW-15	9/28/2017	314	<390	<390	13.0	<1.0	<1.0	<3.0	---	---
MW-15	12/14/2017	170	<410	<410	4.6	<1.0	<1.0	<3.0	---	---
MW-15	3/1/2018	413 J	550	470	33.6 J	<1.0 J	2.5 J	<3.0 J	---	---
MW-15	6/27/2018	345	<430	<430	28.8	<1.0	<1.0	<3.0	---	---
MW-15	8/29/2018	395	510	<400	47.4	<1.0	<1.0	<3.0	---	---
MW-15 (DUP)	8/29/2018	443	430	<400	53.3	<1.0	<1.0	<3.0	---	---
MW-15	12/19/2018	416	<430	<430	43.7	<1.0	<1.0	<3.0	---	---
MW-15	3/14/2019	332	<400	<400	31.5	<1.0	1.8	<3.0	---	---
MW-15	9/25/2019	159	<400	<400	7.3	<1.0	<1.0	<3.0	---	---
MW-16	2/29/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16	5/16/2012	68.7	120	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16	9/5/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16	11/14/2012	<100	<110	<110	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16	2/6/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16	5/8/2013	<100	<200	<200	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16	8/21/2013	<100	<400	<400	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
MW-16	11/26/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16	2/3/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
MW-16	5/8/2014	<50	<28	<48	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-16	8/15/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16 (DUP)	8/15/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16	11/21/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16	2/18/2015	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16	11/17/2016	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---
MW-16	2/17/2017	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---
MW-16	5/25/2017	<100	<500	<500	<1.0	<1.0	<1.0	<3.0	---	---
MW-16	9/27/2017	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---
MW-16	12/13/2017	405	<410	<410	2.8	8.8	6.4	55.2	---	---
MW-16	2/28/2018	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	---	---
MW-16	6/26/2018	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	---	---
MW-16	8/28/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-16	12/18/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-16	3/14/2019	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	---	---
MW-16	9/24/2019	<100	<392	<392	<1.0	<1.0	<1.0	<3.0	---	---
MW-16 (DUP)	9/24/2019	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-17	9/5/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-17	11/16/2012	<100	<100	<100	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-17	2/6/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-17	5/7/2013	<100	<200	<200	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-17	8/21/2013	<100	430	<420	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
MW-17	11/26/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-17	2/6/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-17	5/9/2014	<50	<28	<48	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-17	11/18/2016	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	---	---
MW-17	5/25/2017	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---
MW-17	9/27/2017	<100 J	<390	<390	<1.0 J	<1.0 J	<1.0 J	<3.0 J	---	---
MW-17	12/12/2017	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	---	---
MW-17	2/28/2018	<100	<390	<390	<1.0 J	<1.0 J	<1.0 J	<3.0 J	---	---
MW-17	6/26/2018	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---
MW-17	8/28/2018	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	---	---
MW-17	12/18/2018	<100	<400	<400	<1.0 J	<1.0 J	<1.0 J	<3.0 J	---	---
DW-1	11/15/2011	<50.0	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-1	2/28/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-1	5/16/2012	<50.0	<76	<380	10.9	<1.0	<1.0	<3.0	<1.0	--
DW-1	9/4/2012	<50.0	<77	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-1	11/13/2012	<100	<110	<110	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-1	2/5/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-1	5/1/2013	<100	<200	<410	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-1	8/14/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-1	11/22/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-1	2/13/2014	<100	<400	<400	2	<1.0	<1.0	<3.0	<1.0	--
DW-1	4/30/2014	<50	<48	<28	<0.15	<0.11	<0.16	<0.40	<0.17	--
DW-2	11/16/2011	33,800	340	<380	638	2,280	699	3,820	4.8	--
DW-2	2/23/2012	8,730	430	<380	132	281	225	1,330	5.8	--
DW-2 (DUP)	2/23/2012	8,190	380	<380	128	292	234	1,330	6.2	--
DW-2	5/9/2012	4,150	390	<380	54.4	34.4	72.0	407	4.6	--
DW-2	8/24/2012	1,360	98	<410	44.6	8.9	26.5	120	1.7	--
DW-2	11/6/2012	1,060	140	<110	49.1	2.4	19.5	48.3J	<1.0	--
DW-2	1/31/2013	434	<450	<450	11.9	<1.0	6.5	9.2	<1.0	--
DW-2	4/30/2013	378	<200	<200	14.7	<1.0	3.3	15.5	<1.0	--
DW-2 (DUP)	4/30/2013	321	<200	<200	15.1	<1.0	3	14.6	<1.0	--
DW-2	8/23/2013	821	<420	<420	13	1.3 J	3.4	10.1	1.4	--
DW-2 (DUP)	8/23/2013	733	<400	<400	12.9	1.3	3.1	10.1	1.4	--
DW-2	11/21/2013	326	<400	<400	5.9	<1.0	<1.0	13.1	<1.0	--
DW-2	2/12/2014	395	<400	450	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-2	4/29/2014	333	48	<28	1.4	1.1	<0.16	3.4	2.1	--
DW-3	11/17/2011	<50.0	<75	<380	<1.0	<1.0	1.3	<3.0	<1.0	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
DW-3	2/21/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-3	5/15/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-3	8/28/2012	<50.0	<81	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-3	11/9/2012	<100	<120	<120	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-3	1/30/2013	<100	<490	<490	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-3	5/1/2013	<100	<200	<600	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-3	8/15/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-3	11/19/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-3	2/5/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-3	5/1/2014	<50	410	2,200	<0.15	<0.11	<0.16	<0.40	<0.17	--
DW-4	9/5/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-4	11/16/2012	<100	<110	<110	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-4	2/6/2013	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-4	5/7/2013	<100	<200	<200	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-4	8/21/2013	<100	<420	<420	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
DW-4	11/26/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-4	2/6/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-4	5/9/2014	<50	<29	<50	<0.15	<0.11	<0.16	<0.40	<0.17	--

Notes: Not analyzed.

NA Not detected above reporting limit.

U Estimated

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

x micrograms per liter

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

- (a) Chromatogram suggest this might be aged or degraded diesel.
- (b) Contaminant does not appear to be typical product.
- (d) The observed sample pattern includes #2 fuel/diesel and an additional pattern which elutes earlier and later in the DRO range
- (e) The reporting limits were raised because sample dilution was necessary to bring target compounds into the calibration range of the system
- (f) Due to insufficient sample size, the lab was unable to report their usual reporting limits.
- (g) The values reported represent the lowest reporting limits obtainable. The observed sample pattern includes #2 fuel/diesel and an additional pattern which elutes earlier and later in the DRO range.
The observed sample pattern is not typical of #2 diesel fuel. It elutes in the DRO range earlier than #2 fuel.
- (h) Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.
The observed sample pattern is not typical of #2 fuel/diesel. The reported result is due to an individual peak(s) eluting in the DRO range.
- (i) The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.
- (j) Due to insufficient sample size, we were unable to report our usual reporting limits. The values reported represent the lowest reporting limits attainable.
- (k) The concentration reported for toluene is estimated since it exceeded the calibration range of the instrument.
- (l) Because only one sample vial was submitted for this analysis, a further diluted analysis could not be performed.
Insufficient water to fill all sample bottles.
- (m) The reporting limits for the GC/MS volatile compounds were raised due to sample foaming.
- (n) Due to excessive foaming of the sample, normal reporting limits were not attained.
- (o) Due to insufficient sample size, we were unable to report our usual reporting limits. The values reported represent the lowest reporting limits attainable.
- (p) Due to insufficient sample size, we were unable to report our usual reporting limits. The values reported represent the lowest reporting limits attainable.
- (q) The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.
Due to insufficient sample size, we were unable to report our usual reporting limits. The values reported represent the lowest reporting limits attainable.
- (s) MTCA Method A levels for TPH-g are 1,000 ug/l when no benzene is present and 800 ug/l when benzene is present.
- (t) Well LAIx-2 labeled LAI-2 in the analytical report and Chain-Of-Custody.
- (u) Well LAIx-3 labeled LAI-2 in the analytical report and Chain-Of-Custody.
- (v) Ethanol sampled 3Q08 and 1Q09
- (w) The GRO value is estimated because the value is over the calibration range of the system. The sample was not reanalyzed because the hold time has expired.
- (x) The GC/MS volatile results were obtained from a vial with headspace.
- (y) The initial analyses of this sample were unable to be reported due to carryover issues and QC spiking
The reporting limits for the GC/MS volatile compounds were raised due to the level of non-target compounds.
- (z) The analytical data is from Acton Mickelson Environmental, Inc. sampling on 8/26/2008 and 8/27/2008.
- (1) A-01 Contamination elutes between C18 and C40 and does not match any standards in TestAmerica's reference library.
- (2) A-01a Contamination elutes between C8 and C18 and does not match any standards in TestAmerica's reference library.
- (3) A-01b Contamination elutes between C8 and C28 and does not match any standards in TestAmerica's reference library.
- (4) A-01c Contamination elutes between C8 and C40 and does not match any standards in TestAmerica's reference library.
- (5) M8 The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
- (6) RL1 Reporting limit raised due to sample matrix effects.
- (7) H1 = Analysis conducted outside the EPA method holding time.
- (8) 2n = The internal standard response is outside the QC criteria. Results may be biased low.
- (9) Sample was diluted due to the presence of high levels of target analytes.
- (10) Analyte concentration exceeded the calibration range. The reported result is estimated.
- (E) Result confirmed by second analysis.
- (C0) Matrix Spike recovery exceeded the QC limits. Batch accepted based on laboratory control sample recovery.
- (M1) This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimate.

Appendices

Appendix A

O&M Laboratory Analytical Reports

August 06, 2019

Jeff Gaarder
GHD
2055 Niagara Falls
Boulevard Suite #3
Niagara Falls, NY 14304

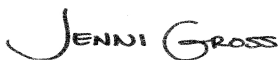
RE: Project: 70496
Pace Project No.: 10484340

Dear Jeff Gaarder:

Enclosed are the analytical results for sample(s) received by the laboratory on July 24, 2019. 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: Rosemarie Borths, GHD Services Inc.
Jeffrey Cloud, GHD Services Inc.
Eric Maise, GHD Services Inc.
Christina McClelland, GHD Services, Inc.



REPORT OF LABORATORY ANALYSIS

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

Project: 70496
Pace Project No.: 10484340

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485

A2LA Certification #: 2926.01

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

CNMI Saipan Certification #: MP0003

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

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

Florida Certification #: E87605

Georgia Certification #: 959

Guam EPA Certification #: MN00064

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: 03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Massachusetts Certification #: M-MN064

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

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

Minnesota Petrofund Certification #: 1240

Mississippi Certification #: MN00064

Missouri Certification #: 10100

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 Primary 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

Vermont Certification #: VT-027053137

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 70496
Pace Project No.: 10484340

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10484340001	A-072319-JRL-INF	Air	07/23/19 10:15	07/24/19 09:55
10484340002	A-072319-JRL-EFF	Air	07/23/19 10:05	07/24/19 09:55
10484340003	A-072319-JRL-INF Cert 3805	Air	07/23/19 10:15	07/24/19 09:55
10484340004	A-072319-JRL-EFF Cert 1442	Air	07/23/19 10:05	07/24/19 09:55

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 70496
Pace Project No.: 10484340

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10484340001	A-072319-JRL-INF	TO-15	AFV	6	PASI-M
10484340002	A-072319-JRL-EFF	TO-15	AFV	6	PASI-M
10484340003	A-072319-JRL-INF Cert 3805	TO-15	AFV	5	PASI-M
10484340004	A-072319-JRL-EFF Cert 1442	TO-15	AFV	5	PASI-M

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10484340

Sample: A-072319-JRL-INF		Lab ID: 10484340001	Collected: 07/23/19 10:15	Received: 07/24/19 09:55	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Benzene	1080	ppbv	44.9	448.8		08/05/19 20:50	71-43-2	
Ethylbenzene	768	ppbv	89.8	448.8		08/05/19 20:50	100-41-4	
THC as Gas	104000	ppbv	10700	448.8		08/05/19 20:50		N2
Toluene	2140	ppbv	89.8	448.8		08/05/19 20:50	108-88-3	
m&p-Xylene	3880	ppbv	180	448.8		08/05/19 20:50	179601-23-1	
o-Xylene	1270	ppbv	89.8	448.8		08/05/19 20:50	95-47-6	

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ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10484340

Sample: A-072319-JRL-EFF		Lab ID: 10484340002	Collected: 07/23/19 10:05	Received: 07/24/19 09:55	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Benzene	1.8	ppbv	0.21	2.1		08/05/19 19:24	71-43-2	
Ethylbenzene	0.74	ppbv	0.42	2.1		08/05/19 19:24	100-41-4	
THC as Gas	900	ppbv	50.2	2.1		08/05/19 19:24		N2
Toluene	6.3	ppbv	0.42	2.1		08/05/19 19:24	108-88-3	
m&p-Xylene	4.4	ppbv	0.84	2.1		08/05/19 19:24	179601-23-1	
o-Xylene	1.2	ppbv	0.42	2.1		08/05/19 19:24	95-47-6	

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ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10484340

Sample: A-072319-JRL-INF Cert **Lab ID:** 10484340003 Collected: 07/23/19 10:15 Received: 07/24/19 09:55 Matrix: Air
3805

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification		Analytical Method: TO-15						
Benzene	ND	ug/m3	0.32	1		07/12/19 10:34	71-43-2	
Ethylbenzene	ND	ug/m3	0.88	1		07/12/19 10:34	100-41-4	
Toluene	ND	ug/m3	0.77	1		07/12/19 10:34	108-88-3	
m&p-Xylene	ND	ug/m3	1.8	1		07/12/19 10:34	179601-23-1	
o-Xylene	ND	ug/m3	0.88	1		07/12/19 10:34	95-47-6	

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ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10484340

Sample: A-072319-JRL-EFF Cert 1442 **Lab ID: 10484340004** Collected: 07/23/19 10:05 Received: 07/24/19 09:55 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification		Analytical Method: TO-15						
Benzene	ND	ug/m3	0.32	1		07/09/19 13:50	71-43-2	
Ethylbenzene	ND	ug/m3	0.88	1		07/09/19 13:50	100-41-4	
Toluene	ND	ug/m3	0.77	1		07/09/19 13:50	108-88-3	
m&p-Xylene	ND	ug/m3	1.8	1		07/09/19 13:50	179601-23-1	
o-Xylene	ND	ug/m3	0.88	1		07/09/19 13:50	95-47-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70496
Pace Project No.: 10484340

QC Batch: 624283 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR
Associated Lab Samples: 10484340001, 10484340002

METHOD BLANK: 3369566 Matrix: Air
Associated Lab Samples: 10484340001, 10484340002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ppbv	ND	0.050	08/05/19 10:41	
Ethylbenzene	ppbv	ND	0.10	08/05/19 10:41	
m&p-Xylene	ppbv	ND	0.20	08/05/19 10:41	
o-Xylene	ppbv	ND	0.10	08/05/19 10:41	
THC as Gas	ppbv	ND	12.0	08/05/19 10:41	
Toluene	ppbv	ND	0.10	08/05/19 10:41	

LABORATORY CONTROL SAMPLE: 3369567

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ppbv	10	12.0	120	70-130	
Ethylbenzene	ppbv	10	10.5	105	67-131	
m&p-Xylene	ppbv	20	22.8	114	70-132	
o-Xylene	ppbv	10	10.5	105	70-130	
THC as Gas	ppbv	1120	1280	114	64-140	
Toluene	ppbv	10	11.5	115	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.: 10484340

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 but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 70496
Pace Project No.: 10484340

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10484340001	A-072319-JRL-INF	TO-15	624283		
10484340002	A-072319-JRL-EFF	TO-15	624283		
10484340003	A-072319-JRL-INF Cert 3805	TO-15	623752		
10484340004	A-072319-JRL-EFF Cert 1442	TO-15	623752		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A		Section B		Section C	
Required Client Information:	Required Project Information:	Invoice Information:	Page: 1 Of 1		
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.			
Email: To: jeff.gaarder@ghd.com; christina.mcclelland@ghd.com	Purchase Order No. ESIC MARISE	Address: 2055 Niagara Falls Boulevard Suite #3, Niagara Falls, New York, 14304	Regulatory Agency		
Phone: (425)563-6502 Fax:	Client Project ID: 70496	Peace Quote Reference:			
Requested Due Date/TAT: Standard	Container Order Number:	Peace Project Manager: Jennifer Gross	State / Location:		

ITEM#	MATRIX	CODE	MATRIX TYPE (S-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analyses Test	Requested Analysis Filtered (Y/N)	TEMP in C	Received on Ice (Y/N)	Custody Sealed (Y/N)	Cooler (Y/N)	Samples Intact (Y/N)																
				START	END			H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol								Other	NMTPH-GX (PPH)	BTEX (TO-15)													
				DATE	TIME	DATE	TIME	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	ANALYSES TEST	DATE	TIME	SAMPLE CONDITIONS																	
1	A-072319 - JEL -INF	DW	OT G	7/23/19	1015	7/23/19	1130	1									7/23/19	1130																		
2	A-072319 - JEL -EFF	WW	OT G	7/23/19	1205			1									7/23/19	1205																		
3		WP																																		
4		SL																																		
5		CL																																		
6		WP																																		
7		AR																																		
8		AR																																		
9		OT																																		
10		TS																																		
11																																				
12																																				

WO#: 10484340



10484340

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
		<i>[Signature]</i>	7/23/19	1130	<i>[Signature]</i>	7/23/19	1130	
		<i>[Signature]</i>	7/23/19	1205	<i>[Signature]</i>	7/23/19	1205	
SAMPLER NAME AND SIGNATURE								
PRINT Name of SAMPLER: JOE LEW ANDOWSKI								
SIGNATURE of SAMPLER: <i>[Signature]</i>								
		DATE Signed: 07/23/19						

Air Sample Condition Upon Receipt

Client Name: **GHP**

Project #:

WO#: 10484340

PM: JMG

Due Date: 08/07/19

CLIENT: GHD_WA

Courier: Fed Ex UPS USPS Client
 Pace SpeedDee Commercial See Exception

Tracking Number: **7086 4055 0604**

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

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

Temp. (TO17 and TO13 samples only) (°C): X Corrected Temp (°C): X

Thermometer Used: G87A9170600254
 G87A9155100842

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

Date & Initials of Person Examining Contents: 7/24/19 cmj

Type of ice Received Blue Wet None

Comments:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Media: <u>Air Can</u> Airbag Filter TDT Passive		11. Individually Certified Cans <u>Y</u> N (list which samples)
Is sufficient information available to reconcile samples to the COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
Do cans need to be pressurized (3C and ASTM 1946 DO NOT PRESSURIZE)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	13.

Samples Received: **STAND ALONE GAUGE** Pressure Gauge # 10AIR34 10AIR35

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
INP	3805	—	-3	5					
EPT	1442	—	-6	5					
				+10					
				10					

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? Yes No

Person Contacted: _____

Date/Time: _____

Comments/Resolution: _____

Project Manager Review: [Signature]

Date: 07/24/2019

Note: Whenever there is a discrepancy affecting work or compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of state, 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 Services Inc
 Phone: 734-453-5123

Lab Project Number: 10484340
 Project Name: 70496

Lab Sample No: 10484340001 ProjSampleNum: 10484340001 Date Collected: 07/23/19 10:15
 Client Sample ID: A-072319-JRL-INF Matrix: Air Date Received: 07/24/19 9:55

Parameters	Report Limit ppbv	Results ppbv	Report Limit ug/m3	Results ug/m3	DF	Analyzed	CAS No.
Air							
TO-15							
Benzene	44.9	1080	146	3510	448.8	08/05/19 20:50 AFV	71-43-2
Ethylbenzene	89.8	768	396	3390	448.8	08/05/19 20:50 AFV	100-41-4
m&p-Xylene	180	3880	795	17100	448.8	08/05/19 20:50 AFV	179601-23-1
o-Xylene	89.8	1270	396	5610	448.8	08/05/19 20:50 AFV	95-47-6
THC as Gas	10700	104000	46400	451000	448.8	08/05/19 20:50 AFV	
Toluene	89.8	2140	344	8200	448.8	08/05/19 20:50 AFV	108-88-3

Lab Sample No: 10484340002 ProjSampleNum: 10484340002 Date Collected: 07/23/19 10:05
 Client Sample ID: A-072319-JRL-EFF Matrix: Air Date Received: 07/24/19 9:55

Parameters	Report Limit ppbv	Results ppbv	Report Limit ug/m3	Results ug/m3	DF	Analyzed	CAS No.
Air							
TO-15							
Benzene	0.21	1.8	0.68	5.8	2.1	08/05/19 19:24 AFV	71-43-2
Ethylbenzene	0.42	0.74	1.9	3.3	2.1	08/05/19 19:24 AFV	100-41-4
m&p-Xylene	0.84	4.4	3.7	19.4	2.1	08/05/19 19:24 AFV	179601-23-1
o-Xylene	0.42	1.2	1.9	5.3	2.1	08/05/19 19:24 AFV	95-47-6
THC as Gas	50.2	900	218	3910	2.1	08/05/19 19:24 AFV	
Toluene	0.42	6.3	1.6	24.1	2.1	08/05/19 19:24 AFV	108-88-3

SUPPLEMENTAL REPORT

Units Conversion Request

August 10, 2019

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

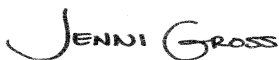
RE: Project: 70496.17
Pace Project No.: 10484437

Dear Christina McClelland:

Enclosed are the analytical results for sample(s) received by the laboratory on July 24, 2019. 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
Jeffrey Cloud, GHD Services Inc.
Eric Maise, GHD Services Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 70496.17

Pace Project No.: 10484437

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485

A2LA Certification #: 2926.01

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

CNMI Saipan Certification #: MP0003

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

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

Florida Certification #: E87605

Georgia Certification #: 959

Guam EPA Certification #: MN00064

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: 03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Massachusetts Certification #: M-MN064

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

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

Minnesota Petrofund Certification #: 1240

Mississippi Certification #: MN00064

Missouri Certification #: 10100

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 Primary 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

Vermont Certification #: VT-027053137

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 70496.17

Pace Project No.: 10484437

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10484437001	GW-072319-JRL-INF 1	Water	07/23/19 09:45	07/24/19 09:55
10484437002	GW-072319-JRL-INF 2	Water	07/23/19 09:30	07/24/19 09:55
10484437003	GW-072319-JRL-MID 1	Water	07/23/19 09:15	07/24/19 09:55
10484437004	GW-072319-JRL-MID 2	Water	07/23/19 09:00	07/24/19 09:55
10484437005	GW-072319-JRL-Total EFF	Water	07/23/19 08:00	07/24/19 09:55
10484437006	GW-072319-JRL-Total EFF 1	Water	07/23/19 08:00	07/24/19 09:55
10484437007	GW-072319-JRL-Total EFF 2	Water	07/23/19 08:15	07/24/19 09:55
10484437008	GW-072319-JRL-Total EFF 3	Water	07/23/19 08:30	07/24/19 09:55
10484437009	GW-072319-JRL-Total EFF 4	Water	07/23/19 08:45	07/24/19 09:55
10484437010	GW-072319-JRL-Total EFF 5	Water	07/23/19 08:00	07/24/19 09:55
10484437011	GW-072319-JRL-Total EFF 6	Water	07/23/19 08:15	07/24/19 09:55
10484437012	GW-072319-JRL-Total EFF 7	Water	07/23/19 08:30	07/24/19 09:55
10484437013	GW-072319-JRL-Total EFF1,2,3,4	Water	07/23/19 08:45	07/24/19 09:55
10484437014	GW-072319-JRL-Total EFF 5,6,7	Water	07/23/19 08:30	07/24/19 09:55
10484437015	Trip Blank	Water	07/23/19 00:00	07/24/19 09:55

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 70496.17

Pace Project No.: 10484437

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10484437001	GW-072319-JRL-INF 1	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	AEZ, ML4	7	PASI-M
10484437002	GW-072319-JRL-INF 2	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	AEZ	7	PASI-M
10484437003	GW-072319-JRL-MID 1	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	AEZ	7	PASI-M
10484437004	GW-072319-JRL-MID 2	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	AEZ	7	PASI-M
10484437005	GW-072319-JRL-Total EFF	NWTPH-Dx	EC2	4	PASI-M
10484437013	GW-072319-JRL-Total EFF1,2,3,4	NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	AEZ	7	PASI-M
10484437014	GW-072319-JRL-Total EFF 5,6,7	EPA 1664B OG	JER	1	PASI-M
10484437015	Trip Blank	NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	ML4	7	PASI-M

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10484437

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: GW-072319-JRL-INF 1 Lab ID: 10484437001 Collected: 07/23/19 09:45 Received: 07/24/19 09:55 Matrix: Water								
NWTPH-Dx GCS Silica Gel LV Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C								
Diesel Fuel Range SG	2780	ug/L	400	1	07/25/19 13:09	08/01/19 12:26	68334-30-5	
Motor Oil Range SG	ND	ug/L	400	1	07/25/19 13:09	08/01/19 12:26	64742-65-0	
Surrogates								
o-Terphenyl (S)	77	%.	50-150	1	07/25/19 13:09	08/01/19 12:26	84-15-1	
n-Triacontane (S)	66	%.	50-150	1	07/25/19 13:09	08/01/19 12:26	638-68-6	
NWTPH-Gx GCV Analytical Method: NWTPH-Gx								
TPH as Gas	37700	ug/L	1000	10		08/06/19 22:49		
Surrogates								
a,a,a-Trifluorotoluene (S)	96	%.	50-150	10		08/06/19 22:49	98-08-8	
8260B MSV UST Analytical Method: EPA 8260B								
Benzene	4820	ug/L	100	100		08/03/19 21:32	71-43-2	
Ethylbenzene	291	ug/L	50.0	50		08/02/19 17:43	100-41-4	
Toluene	4480	ug/L	100	100		08/03/19 21:32	108-88-3	
Xylene (Total)	2240	ug/L	150	50		08/02/19 17:43	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%.	75-125	50		08/02/19 17:43	17060-07-0	
Toluene-d8 (S)	98	%.	75-125	50		08/02/19 17:43	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	75-125	50		08/02/19 17:43	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10484437

Sample: GW-072319-JRL-INF 2	Lab ID: 10484437002	Collected: 07/23/19 09:30	Received: 07/24/19 09:55	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	462	ug/L	385	1	07/25/19 13:09	08/01/19 12:44	68334-30-5	
Motor Oil Range SG	ND	ug/L	385	1	07/25/19 13:09	08/01/19 12:44	64742-65-0	
Surrogates								
o-Terphenyl (S)	68	%.	50-150	1	07/25/19 13:09	08/01/19 12:44	84-15-1	
n-Triacontane (S)	62	%.	50-150	1	07/25/19 13:09	08/01/19 12:44	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	146	ug/L	100	1		08/02/19 23:21		
Surrogates								
a,a,a-Trifluorotoluene (S)	99	%.	50-150	1		08/02/19 23:21	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	11.1	ug/L	1.0	1		08/02/19 13:48	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		08/02/19 13:48	100-41-4	
Toluene	5.1	ug/L	1.0	1		08/02/19 13:48	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		08/02/19 13:48	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%.	75-125	1		08/02/19 13:48	17060-07-0	
Toluene-d8 (S)	98	%.	75-125	1		08/02/19 13:48	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125	1		08/02/19 13:48	460-00-4	

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10484437

Sample: GW-072319-JRL-MID 1		Lab ID: 10484437003	Collected: 07/23/19 09:15	Received: 07/24/19 09:55	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	ug/L	385	1	07/25/19 13:09	08/01/19 12:54	68334-30-5	
Motor Oil Range SG	ND	ug/L	385	1	07/25/19 13:09	08/01/19 12:54	64742-65-0	
Surrogates								
o-Terphenyl (S)	66	%.	50-150	1	07/25/19 13:09	08/01/19 12:54	84-15-1	
n-Triacontane (S)	66	%.	50-150	1	07/25/19 13:09	08/01/19 12:54	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		08/02/19 22:47		
Surrogates								
a,a,a-Trifluorotoluene (S)	95	%.	50-150	1		08/02/19 22:47	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	15.5	ug/L	1.0	1		08/02/19 14:05	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		08/02/19 14:05	100-41-4	
Toluene	3.1	ug/L	1.0	1		08/02/19 14:05	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		08/02/19 14:05	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%.	75-125	1		08/02/19 14:05	17060-07-0	
Toluene-d8 (S)	99	%.	75-125	1		08/02/19 14:05	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	75-125	1		08/02/19 14:05	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17
Pace Project No.: 10484437

Sample: GW-072319-JRL-MID 2	Lab ID: 10484437004	Collected: 07/23/19 09:00	Received: 07/24/19 09:55	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	ug/L	408	1	07/25/19 13:09	08/01/19 13:03	68334-30-5	
Motor Oil Range SG	ND	ug/L	408	1	07/25/19 13:09	08/01/19 13:03	64742-65-0	
Surrogates								
o-Terphenyl (S)	72	%.	50-150	1	07/25/19 13:09	08/01/19 13:03	84-15-1	
n-Triacontane (S)	72	%.	50-150	1	07/25/19 13:09	08/01/19 13:03	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		08/06/19 22:32		
Surrogates								
a,a,a-Trifluorotoluene (S)	100	%.	50-150	1		08/06/19 22:32	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		08/02/19 14:22	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		08/02/19 14:22	100-41-4	
Toluene	ND	ug/L	1.0	1		08/02/19 14:22	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		08/02/19 14:22	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%.	75-125	1		08/02/19 14:22	17060-07-0	
Toluene-d8 (S)	98	%.	75-125	1		08/02/19 14:22	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125	1		08/02/19 14:22	460-00-4	

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10484437

Sample: GW-072319-JRL-Total EFF		Lab ID: 10484437005	Collected: 07/23/19 08:00	Received: 07/24/19 09:55	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	ug/L	385	1	07/25/19 13:09	08/01/19 13:13	68334-30-5	
Motor Oil Range SG	ND	ug/L	385	1	07/25/19 13:09	08/01/19 13:13	64742-65-0	
Surrogates								
o-Terphenyl (S)	77	%.	50-150	1	07/25/19 13:09	08/01/19 13:13	84-15-1	
n-Triacontane (S)	78	%.	50-150	1	07/25/19 13:09	08/01/19 13:13	638-68-6	

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10484437

Sample: GW-072319-JRL-Total **Lab ID:** 10484437013 Collected: 07/23/19 08:45 Received: 07/24/19 09:55 Matrix: Water
EFF1,2,3,4

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		08/03/19 00:13		
Surrogates								
a,a,a-Trifluorotoluene (S)	96	%.	50-150	1		08/03/19 00:13	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		08/02/19 14:39	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		08/02/19 14:39	100-41-4	
Toluene	ND	ug/L	1.0	1		08/02/19 14:39	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		08/02/19 14:39	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%.	75-125	1		08/02/19 14:39	17060-07-0	
Toluene-d8 (S)	96	%.	75-125	1		08/02/19 14:39	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	75-125	1		08/02/19 14:39	460-00-4	

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10484437

Sample: GW-072319-JRL-Total EFF 5,6,7 **Lab ID: 10484437014** Collected: 07/23/19 08:30 Received: 07/24/19 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664B HEM, Oil and Grease								
Analytical Method: EPA 1664B OG								
Oil and Grease	ND	ug/L	6250	1		07/31/19 08:18		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10484437

Sample: Trip Blank		Lab ID: 10484437015	Collected: 07/23/19 00:00	Received: 07/24/19 09:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		08/02/19 22:30		
Surrogates								
a,a,a-Trifluorotoluene (S)	96	%.	50-150	1		08/02/19 22:30	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		08/02/19 20:48	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		08/02/19 20:48	100-41-4	
Toluene	ND	ug/L	1.0	1		08/02/19 20:48	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		08/02/19 20:48	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%.	75-125	1		08/02/19 20:48	17060-07-0	
Toluene-d8 (S)	101	%.	75-125	1		08/02/19 20:48	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125	1		08/02/19 20:48	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10484437

QC Batch: 623838 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Water
Associated Lab Samples: 10484437002, 10484437003, 10484437013, 10484437015

METHOD BLANK: 3367062 Matrix: Water
Associated Lab Samples: 10484437002, 10484437003, 10484437013, 10484437015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	08/02/19 21:56	
a,a,a-Trifluorotoluene (S)	%.	105	50-150	08/02/19 21:56	

LABORATORY CONTROL SAMPLE & LCSD: 3367063

Parameter	Units	3367064								Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	
TPH as Gas	ug/L	1000	1150	1100	115	110	75-125	4	20	
a,a,a-Trifluorotoluene (S)	%.				119	112	50-150			

SAMPLE DUPLICATE: 3367065

Parameter	Units	10484437003		RPD	Max RPD	Qualifiers
		Result	Dup Result			
TPH as Gas	ug/L	ND	ND		30	
a,a,a-Trifluorotoluene (S)	%.	95	95			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10484437

QC Batch: 624289 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Water
Associated Lab Samples: 10484437001, 10484437004

METHOD BLANK: 3369587 Matrix: Water
Associated Lab Samples: 10484437001, 10484437004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	08/06/19 21:58	
a,a,a-Trifluorotoluene (S)	%.	99	50-150	08/06/19 21:58	

LABORATORY CONTROL SAMPLE & LCSD: 3369588

Parameter	Units	3369589								Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	
TPH as Gas	ug/L	1000	1150	1150	115	115	75-125	1	20	
a,a,a-Trifluorotoluene (S)	%.				105	109	50-150			

SAMPLE DUPLICATE: 3369590

Parameter	Units	10485817002		RPD	Max RPD	Qualifiers
		Result	Dup Result			
TPH as Gas	ug/L	ND	ND		30	
a,a,a-Trifluorotoluene (S)	%.	102	97			

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10484437

QC Batch: 623635 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV UST-WATER
Associated Lab Samples: 10484437001, 10484437002, 10484437003, 10484437004, 10484437013

METHOD BLANK: 3366127 Matrix: Water
Associated Lab Samples: 10484437001, 10484437002, 10484437003, 10484437004, 10484437013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	08/02/19 11:51	
Ethylbenzene	ug/L	ND	1.0	08/02/19 11:51	
Toluene	ug/L	ND	1.0	08/02/19 11:51	
Xylene (Total)	ug/L	ND	3.0	08/02/19 11:51	
1,2-Dichloroethane-d4 (S)	%	101	75-125	08/02/19 11:51	
4-Bromofluorobenzene (S)	%	100	75-125	08/02/19 11:51	
Toluene-d8 (S)	%	98	75-125	08/02/19 11:51	

LABORATORY CONTROL SAMPLE: 3366128

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	10	11.8	118	75-125	
Ethylbenzene	ug/L	10	11.6	116	75-125	
Toluene	ug/L	10	11.0	110	75-125	
Xylene (Total)	ug/L	30	32.0	107	75-125	
1,2-Dichloroethane-d4 (S)	%			103	75-125	
4-Bromofluorobenzene (S)	%			99	75-125	
Toluene-d8 (S)	%			106	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3366129 3366130

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		10484641007 Result	Spike Conc.	Spike Conc.	MS Result						
Benzene	ug/L	ND	10	10	8.8	9.0	88	90	30-150	3	30
Ethylbenzene	ug/L	11.5	10	10	16.7	21.1	52	97	30-150	24	30
Toluene	ug/L	ND	10	10	7.6	8.1	76	81	30-150	7	30
Xylene (Total)	ug/L	14.3	30	30	31.7	39.5	58	84	30-150	22	30
1,2-Dichloroethane-d4 (S)	%						103	101	75-125		
4-Bromofluorobenzene (S)	%						103	104	75-125		
Toluene-d8 (S)	%						95	97	75-125		

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10484437

QC Batch: 623959 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV UST-WATER
Associated Lab Samples: 10484437015

METHOD BLANK: 3367548 Matrix: Water
Associated Lab Samples: 10484437015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	08/02/19 18:49	
Ethylbenzene	ug/L	ND	1.0	08/02/19 18:49	
Toluene	ug/L	ND	1.0	08/02/19 18:49	
Xylene (Total)	ug/L	ND	3.0	08/02/19 18:49	
1,2-Dichloroethane-d4 (S)	%	99	75-125	08/02/19 18:49	
4-Bromofluorobenzene (S)	%	100	75-125	08/02/19 18:49	
Toluene-d8 (S)	%	98	75-125	08/02/19 18:49	

LABORATORY CONTROL SAMPLE: 3367549

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	21.5	107	75-125	
Ethylbenzene	ug/L	20	21.0	105	75-125	
Toluene	ug/L	20	20.9	104	75-125	
Xylene (Total)	ug/L	60	63.4	106	75-125	
1,2-Dichloroethane-d4 (S)	%			104	75-125	
4-Bromofluorobenzene (S)	%			99	75-125	
Toluene-d8 (S)	%			98	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3367550 3367551

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		10484924003 Result	Spike Conc.	Spike Conc.	Conc.								
Benzene	ug/L	18.3	20	20	20	36.2	38.3	89	100	30-150	6	30	
Ethylbenzene	ug/L	11.6	20	20	20	30.4	33.8	94	111	30-150	11	30	
Toluene	ug/L	28.7	20	20	20	45.5	50.7	84	110	30-150	11	30	
Xylene (Total)	ug/L	135	60	60	60	195	205	100	116	30-150	5	30	
1,2-Dichloroethane-d4 (S)	%							106	106	75-125			
4-Bromofluorobenzene (S)	%							99	100	75-125			
Toluene-d8 (S)	%							99	101	75-125			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3367552 3367553

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		10484924007 Result	Spike Conc.	Spike Conc.	Conc.								
Benzene	ug/L	<0.10	20	20	20	17.1	23.9	86	120	30-150	33	30	R1
Ethylbenzene	ug/L	<0.14	20	20	20	16.2	22.3	81	112	30-150	32	30	R1

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QUALITY CONTROL DATA

Project: 70496.17

Pace Project No.: 10484437

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3367552												3367553	
Parameter	Units	10484924007 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
Toluene	ug/L	<0.083	20	20	16.6	22.7	83	113	30-150	31	30	R1	
Xylene (Total)	ug/L	<0.31	60	60	49.3	66.9	82	111	30-150	30	30	RS	
1,2-Dichloroethane-d4 (S)	%						101	104	75-125				
4-Bromofluorobenzene (S)	%						98	99	75-125				
Toluene-d8 (S)	%						97	96	75-125				

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3368128												3368129	
Parameter	Units	10484924002 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
Benzene	ug/L	15.6	20	20	36.5	37.5	105	110	30-150	3	30		
Ethylbenzene	ug/L	162	20	20	176	179	69	83	30-150	2	30		
Toluene	ug/L	41.6	20	20	58.3	61.0	83	97	30-150	5	30		
Xylene (Total)	ug/L	1620	60	60	1580	1620	-62	2	30-150	2	30	ES,MS	
1,2-Dichloroethane-d4 (S)	%						98	99	75-125				
4-Bromofluorobenzene (S)	%						102	104	75-125				
Toluene-d8 (S)	%						99	98	75-125				

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10484437

QC Batch: 622799 Analysis Method: NWTPH-Dx
QC Batch Method: EPA Mod. 3510C Analysis Description: NWTPH-Dx GCS LV SG
Associated Lab Samples: 10484437001, 10484437002, 10484437003, 10484437004, 10484437005

METHOD BLANK: 3361947 Matrix: Water
Associated Lab Samples: 10484437001, 10484437002, 10484437003, 10484437004, 10484437005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Fuel Range SG	ug/L	ND	400	08/01/19 11:57	
Motor Oil Range SG	ug/L	ND	400	08/01/19 11:57	
n-Triacontane (S)	%.	59	50-150	08/01/19 11:57	
o-Terphenyl (S)	%.	77	50-150	08/01/19 11:57	

LABORATORY CONTROL SAMPLE & LCSD: 3361948

Parameter	Units	3361949		LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result						
Diesel Fuel Range SG	ug/L	2000	1570	1520	78	76	50-150	3	20
Motor Oil Range SG	ug/L	2000	1550	1510	78	76	50-150	3	20
n-Triacontane (S)	%.				72	62	50-150		
o-Terphenyl (S)	%.				78	75	50-150		

SAMPLE DUPLICATE: 3361950

Parameter	Units	10484437001		RPD	Max RPD	Qualifiers
		Result	Dup Result			
Diesel Fuel Range SG	ug/L	2780	2570	8	30	
Motor Oil Range SG	ug/L	ND	89.6J		30	
n-Triacontane (S)	%.	66	71			
o-Terphenyl (S)	%.	77	83			

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QUALITY CONTROL DATA

Project: 70496.17

Pace Project No.: 10484437

QC Batch: 622965

Analysis Method: EPA 1664B OG

QC Batch Method: EPA 1664B OG

Analysis Description: 1664B HEM, Oil and Grease

Associated Lab Samples: 10484437014

METHOD BLANK: 3362582

Matrix: Water

Associated Lab Samples: 10484437014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	ug/L	ND	5000	07/31/19 08:18	

LABORATORY CONTROL SAMPLE & LCSD: 3362583

3362584

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Oil and Grease	ug/L	40000	36700	35200	92	88	78-114	4	18	

MATRIX SPIKE SAMPLE: 3362585

Parameter	Units	40191769004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	ug/L	19.6 mg/L	39200	21200	4	78-114	M1

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QUALIFIERS

Project: 70496.17
Pace Project No.: 10484437

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: 622965

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

ANALYTE QUALIFIERS

ES The reported result is estimated because one or more of the constituent results are qualified as such.
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.
R1 RPD value was outside control limits.
RS The RPD value in one of the constituent analytes was outside the control limits.

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METHOD CROSS REFERENCE TABLE

Project: 70496.17
Pace Project No.: 10484437

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

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 70496.17
Pace Project No.: 10484437

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10484437001	GW-072319-JRL-INF 1	EPA Mod. 3510C	622799	NWTPH-Dx	623513
10484437002	GW-072319-JRL-INF 2	EPA Mod. 3510C	622799	NWTPH-Dx	623513
10484437003	GW-072319-JRL-MID 1	EPA Mod. 3510C	622799	NWTPH-Dx	623513
10484437004	GW-072319-JRL-MID 2	EPA Mod. 3510C	622799	NWTPH-Dx	623513
10484437005	GW-072319-JRL-Total EFF	EPA Mod. 3510C	622799	NWTPH-Dx	623513
10484437001	GW-072319-JRL-INF 1	NWTPH-Gx	624289		
10484437002	GW-072319-JRL-INF 2	NWTPH-Gx	623838		
10484437003	GW-072319-JRL-MID 1	NWTPH-Gx	623838		
10484437004	GW-072319-JRL-MID 2	NWTPH-Gx	624289		
10484437013	GW-072319-JRL-Total EFF1,2,3,4	NWTPH-Gx	623838		
10484437015	Trip Blank	NWTPH-Gx	623838		
10484437001	GW-072319-JRL-INF 1	EPA 8260B	623635		
10484437002	GW-072319-JRL-INF 2	EPA 8260B	623635		
10484437003	GW-072319-JRL-MID 1	EPA 8260B	623635		
10484437004	GW-072319-JRL-MID 2	EPA 8260B	623635		
10484437013	GW-072319-JRL-Total EFF1,2,3,4	EPA 8260B	623635		
10484437015	Trip Blank	EPA 8260B	623959		
10484437014	GW-072319-JRL-Total EFF 5,6,7	EPA 1664B OG	622965		

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CHAIN-OF-CUSTODY / Analyt
The Chain-of-Custody is a LEGAL DOCUMENT.

Section A

Required Client Information:

Company: GHD Services, Inc.
Address: 20816 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~~ JV
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 #:

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analyses Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	TEMP in C	Received on Ice (Y/N)	Custody Sealed (Y/N)	Samples Intact (Y/N)
			START	END												
1	GW-072319 - JRL - INF 1	WT G	7/23/19	0945	7/23/19	1134	8	H2SO4 HNO3 HCl NaOH Na2S2O3 Methanol Other	X X X X X X X	X X X X X X X X	FOG 1684 BTEX (EPA 8260) TPHq (NMTPH-GX) TPHq (NMTPH-DX) with Silica Gel					
2	GW-072319 - JRL - INF 2	WT G	7/23/19	0930			8									
3	GW-072319 - JRL - MID 1	WT G	7/23/19	0915			8									
4	GW-072319 - JRL - MID 2	WT G	7/23/19	0900			8									
5	GW-072319 - JRL - Total EFF	WT G	7/23/19	0850			2									
6	GW-072319 - JRL - Total EFF 1	WT G	7/23/19	0830			2									
7	GW-072319 - JRL - Total EFF 2	WT G	7/23/19	0815			2									
8	GW-072319 - JRL - Total EFF 3	WT G	7/23/19	0800			2									
9	GW-072319 - JRL - Total EFF 4	WT G	7/23/19	0745			2									
10	GW-072319 - JRL - Total EFF 5	WT G	7/23/19	0800			1									
11	GW-072319 - JRL - Total EFF 6	WT G	7/23/19	0815			1									
11	GW-072319 - JRL - Total EFF 7	WT G	7/23/19	0830			1									
ADDITIONAL COMMENTS: See GHA																
RELINQUISHED BY / AFFILIATION: [Signature] GHA																
ACCEPTED BY / AFFILIATION: [Signature] PACE																
DATE: 7/23/19 1134																
DATE: 7/23/19 1134																
DATE: 7/24/19 1556																
DATE: 7/23/19																

GW-MONTHLY

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: JOE LEWANDOWSKI
SIGNATURE of SAMPLER: [Signature]

DATE Signed: 07/23/19

Sample Condition Upon Receipt

Client Name: GHD

Project #: **WO#: 10484437**

PM: JMG Due Date: 08/06/19
CLIENT: GHD_WA

Courier: Fed Ex UPS USPS Client
 Pace Speedee Commercial See Exception

Tracking Number: 4924 373 2513

Custody Seal on Cooler/Box Present? Yes No Seals Intact? Yes No Biological Tissue Frozen? Yes No N/A

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

Thermometer: T1(0461) T2(1336) T3(0459)
 T4(0254) T5(0489) Type of Ice: Wet Blue None Dry Melted

Note: Each West Virginia Sample must have temp taken (no temp blanks)

Temp should be above freezing to 6°C	Cooler Temp Read w/temp blank: <u>3.0</u> °C	Average Corrected Temp (no temp blank only): <u>3.1</u> °C	See Exceptions <input type="checkbox"/>
Correction Factor: <u>1.01</u>	Cooler Temp Corrected w/temp blank: <u>3.1</u> °C		

USDA Regulated Soil: (N/A, water-sample/Other: _____) Date/Initials of Person Examining Contents: 7/24/19 cmj
 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 and Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	4.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. <input type="checkbox"/> Fecal Coliform <input type="checkbox"/> HPC <input type="checkbox"/> Total Coliform/E coli <input type="checkbox"/> BOD/cBOD <input type="checkbox"/> Hex Chrome <input type="checkbox"/> Turbidity <input type="checkbox"/> Nitrate <input type="checkbox"/> Nitrite <input type="checkbox"/> Orthophos <input type="checkbox"/> Other
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Field Filtered Volume Received for Dissolved Tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10. Is sediment visible in the dissolved container? <input type="checkbox"/> Yes <input type="checkbox"/> No
is sufficient information available to reconcile the samples to the COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11. If no, write ID/ Date/Time on Container Below: <input type="checkbox"/> See Exception
Matrix: <input checked="" type="checkbox"/> Water <input type="checkbox"/> Soil <input type="checkbox"/> Oil <input type="checkbox"/> Other		
All containers needing acid/base preservation have been checked?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12. Sample # <input type="checkbox"/> NaOH <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> Zinc Acetate
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , <2pH, NaOH >9 Sulfide, NaOH >12 Cyanide)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Positive for Res. <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Exception
Exceptions: <u>VOA</u> , Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Chlorine? <input type="checkbox"/> No <input type="checkbox"/> See Exception pH Paper Lot# Res. Chlorine 0-6 Roll 0-6 Strip 0-14 Strip
Headspace in VOA Vials (greater than 6mm)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> See Exception
Trip Blank Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14. Pace Trip Blank Lot # (if purchased): <u>21417</u>
Trip Blank Custody Seals Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

CLIENT NOTIFICATION/RESOLUTION

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

Project Manager Review: [Signature]

Date: 07/25/2019

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: _____

August 26, 2019

Jeff Gaarder
GHD
2055 Niagara Falls
Boulevard Suite #3
Niagara Falls, NY 14304

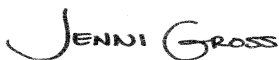
RE: Project: 70496
Pace Project No.: 10488017

Dear Jeff Gaarder:

Enclosed are the analytical results for sample(s) received by the laboratory on August 17, 2019. 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: Rosemarie Borths, GHD Services Inc.
Jeffrey Cloud, GHD Services Inc.
Eric Maise, GHD Services Inc.
Christina McClelland, GHD Services, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 70496
Pace Project No.: 10488017

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485

A2LA Certification #: 2926.01

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

CNMI Saipan Certification #: MP0003

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

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

Florida Certification #: E87605

Georgia Certification #: 959

Guam EPA Certification #: MN00064

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: 03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Massachusetts Certification #: M-MN064

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

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

Minnesota Petrofund Certification #: 1240

Mississippi Certification #: MN00064

Missouri Certification #: 10100

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 Primary 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

Vermont Certification #: VT-027053137

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 70496
Pace Project No.: 10488017

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10488017001	A-081619-JRL-INF	Air	08/16/19 12:10	08/17/19 08:30
10488017002	A-081619-JRL-INF (PACE1423)	Air	08/16/19 12:10	08/17/19 08:30
10488017003	A-081619-JRL-EFF	Air	08/16/19 12:00	08/17/19 08:30
10488017004	A-081619-JRL-EFF (PACE1407)	Air	08/16/19 12:00	08/17/19 08:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 70496
Pace Project No.: 10488017

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10488017001	A-081619-JRL-INF	TO-15	MG2	6	PASI-M
10488017002	A-081619-JRL-INF (PACE1423)	TO-15	MLS	5	PASI-M
10488017003	A-081619-JRL-EFF	TO-15	MG2	6	PASI-M
10488017004	A-081619-JRL-EFF (PACE1407)	TO-15	MLS	5	PASI-M

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10488017

Sample: A-081619-JRL-INF		Lab ID: 10488017001	Collected: 08/16/19 12:10	Received: 08/17/19 08:30	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Benzene	759	ppbv	17.8	177.6		08/23/19 01:27	71-43-2	
Ethylbenzene	187	ppbv	35.5	177.6		08/23/19 01:27	100-41-4	
THC as Gas	42300	ppbv	4240	177.6		08/23/19 01:27		
Toluene	877	ppbv	35.5	177.6		08/23/19 01:27	108-88-3	
m&p-Xylene	953	ppbv	71.0	177.6		08/23/19 01:27	179601-23-1	
o-Xylene	315	ppbv	35.5	177.6		08/23/19 01:27	95-47-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10488017

Sample: A-081619-JRL-INF (PACE1423)		Lab ID: 10488017002	Collected: 08/16/19 12:10	Received: 08/17/19 08:30	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification		Analytical Method: TO-15						
Benzene	ND	ug/m3	0.32	1		07/19/19 11:13	71-43-2	
Ethylbenzene	ND	ug/m3	0.88	1		07/19/19 11:13	100-41-4	
Toluene	ND	ug/m3	0.77	1		07/19/19 11:13	108-88-3	
m&p-Xylene	ND	ug/m3	1.8	1		07/19/19 11:13	179601-23-1	
o-Xylene	ND	ug/m3	0.88	1		07/19/19 11:13	95-47-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10488017

Sample: A-081619-JRL-EFF		Lab ID: 10488017003	Collected: 08/16/19 12:00	Received: 08/17/19 08:30	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Benzene	4.0	ppbv	0.23	2.29		08/23/19 01:00	71-43-2	
Ethylbenzene	1.0	ppbv	0.46	2.29		08/23/19 01:00	100-41-4	
THC as Gas	2050	ppbv	54.7	2.29		08/23/19 01:00		
Toluene	3.7	ppbv	0.46	2.29		08/23/19 01:00	108-88-3	
m&p-Xylene	3.3	ppbv	0.92	2.29		08/23/19 01:00	179601-23-1	
o-Xylene	1.6	ppbv	0.46	2.29		08/23/19 01:00	95-47-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10488017

Sample: A-081619-JRL-EFF (PACE1407) **Lab ID: 10488017004** Collected: 08/16/19 12:00 Received: 08/17/19 08:30 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification		Analytical Method: TO-15						
Benzene	ND	ug/m3	0.32	1		07/18/19 10:05	71-43-2	
Ethylbenzene	ND	ug/m3	0.88	1		07/18/19 10:05	100-41-4	
Toluene	ND	ug/m3	0.77	1		07/18/19 10:05	108-88-3	
m&p-Xylene	ND	ug/m3	1.8	1		07/18/19 10:05	179601-23-1	
o-Xylene	ND	ug/m3	0.88	1		07/18/19 10:05	95-47-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70496
Pace Project No.: 10488017

QC Batch: 627888 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR
Associated Lab Samples: 10488017001, 10488017003

METHOD BLANK: 3387961 Matrix: Air
Associated Lab Samples: 10488017001, 10488017003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ppbv	ND	0.10	08/22/19 09:11	
Ethylbenzene	ppbv	ND	0.20	08/22/19 09:11	
m&p-Xylene	ppbv	ND	0.40	08/22/19 09:11	
o-Xylene	ppbv	ND	0.20	08/22/19 09:11	
THC as Gas	ppbv	ND	23.9	08/22/19 09:11	
Toluene	ppbv	ND	0.20	08/22/19 09:11	

LABORATORY CONTROL SAMPLE: 3387962

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ppbv	10	10.8	108	70-130	
Ethylbenzene	ppbv	10	11.8	118	67-131	
m&p-Xylene	ppbv	20	23.8	119	70-132	
o-Xylene	ppbv	10	11.3	113	70-130	
THC as Gas	ppbv	1120	1050	93	64-140	
Toluene	ppbv	10	11.2	112	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.: 10488017

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 70496
Pace Project No.: 10488017

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10488017001	A-081619-JRL-INF	TO-15	627888		
10488017003	A-081619-JRL-EFF	TO-15	627888		
10488017002	A-081619-JRL-INF (PACE1423)	TO-15	628339		
10488017004	A-081619-JRL-EFF (PACE1407)	TO-15	628339		

REPORT OF LABORATORY ANALYSIS

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Page: 1 of 1

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: 20518 44th Avenue West, Suite 190
 Lynnwood, WA 98036
 Email To: jeff.gardner@ghd.com, christina.mcclelland@ghd.com
 Phone: (425) 663-8602 | Fax: []
 Requested Date/Time: Standard

Section B
 Required Project Information:
 Report To: Jeff Gardner
 Copy To: Christina McClelland
 Purchase Order No. []
 Client Project ID: 70486
 Contract Order Number: []

Section C
 Invoice Information:
 Attention: Jeff Gardner
 Company Name: GHD Services, Inc.
 Address: 20515 Niagara Falls Boulevard Suite #3, Niagara Falls, New York, 14304
 Place Project Reference: []
 Project Manager: Jennifer Gross
 State / Location: []

ITEM#	MATRIX CODE (see vial/cases to left)	COLLECTED		SAMPLE TYPE (G-RAB C-COMP)	MATRIX CODE (see vial/cases to left)	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	MnSO4	MnSO3	Methanol	Other	Analyses Test		Residual Chlorine (Y/N)
		START DATE TIME	END DATE TIME														NMTPH-Gx (TPH)	TEX (TO-15)	
1	A-081619 -JBL-INF	8/16/19 12:10		OT G		1	X										X	X	
2	A-081619 -JBL-EFF	8/16/19 12:00		OT G		1	X										X	X	
3																			001/002
4																			003/004
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

ADDITIONAL COMMENTS
 GHD
 8/16/19 12:50
 Accepted
 8/17/19 08:30
 NA
 N
 Y
 Y

ACCEPTED BY / AFFILIATION
 DATE TIME

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

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: []
 SIGNATURE of SAMPLER: []
 DATE Signed: 08/16/19

GW-MONTHLY



Document Name:
Air Sample Condition Upon Receipt
Document No.:
F-MN-A-106-rev.18

Document Revised: 31Jan2019
Page 1 of 1
Issuing Authority:

Air Sample Condition Upon Receipt

Client Name: GHD

Project #:

WO#: 10488017

Courier: Fed Ex UPS USPS Client
 Pace SpeedDee Commercial See Exception

PM: JMG Due Date: 09/03/19

CLIENT: GHD_COP

Tracking Number: 7891 8845 9935

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

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

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

Temp should be above freezing to 6°C Correction Factor: Date & Initials of Person Examining Contents: WO 8/17/19

Type of ice Received Blue Wet None

		Comments:
Chain of Custody Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	1. <u>No COC</u>
Chain of Custody Filled Out?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2.
Chain of Custody Relinquished?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3.
Sampler Name and/or Signature on COC?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Media: <u>Air Can</u> Airbag Filter TDT Passive		11. Individually Certified Cans <u>Y</u> N (list which samples)
Is sufficient information available to reconcile samples to the COC?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	12.
Do cans need to be pressurized (3C and ASTM 1946 DO NOT PRESSURIZE)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	13.

Samples Received:					Pressure Gauge # <input type="checkbox"/> 10AIR34 <input checked="" type="checkbox"/> 10AIR35				
Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
<u>A-081619-JRL-INF</u>	<u>1423</u>	<u>—</u>	<u>-1</u>	<u>—</u>					
<u>A-081619-JRL-EFF</u>	<u>1407</u>	<u>—</u>	<u>-8</u>	<u>—</u>					

CLIENT NOTIFICATION/RESOLUTION

Person Contacted: Joe Lewandowski

Field Data Required? Yes No

Date/Time: 08/19/19

Comments/Resolution: COC received 08/19/19.

Project Manager Review: JENNI GROSS

Date: 08/19/19

Note: Whenever there is a discrepancy in 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 Services Inc
 Phone: 734-453-5123

Lab Project Number: 10488017
 Project Name: 70496

Lab Sample No: 10488017001 ProjSampleNum: 10488017001 Date Collected: 08/16/19 12:10
 Client Sample ID: A-081619-JRL-INF Matrix: Air Date Received: 08/17/19 8:30

Parameters	Report Limit ppbv	Results ppbv	Report Limit ug/m3	Results ug/m3	DF	Analyzed	CAS No.
Air							
TO-15							
Benzene	17.8	759	57.8	2460	177.6	08/23/19 1:27 MG2	71-43-2
Ethylbenzene	35.5	187	157	825	177.6	08/23/19 1:27 MG2	100-41-4
m&p-Xylene	71	953	313	4210	177.6	08/23/19 1:27 MG2	179601-23-1
o-Xylene	35.5	315	157	1390	177.6	08/23/19 1:27 MG2	95-47-6
THC as Gas	4240	42300	18400	184000	177.6	08/23/19 1:27 MG2	
Toluene	35.5	877	136	3360	177.6	08/23/19 1:27 MG2	108-88-3

Lab Sample No: 10488017003 ProjSampleNum: 10488017003 Date Collected: 08/16/19 12:00
 Client Sample ID: A-081619-JRL-EFF Matrix: Air Date Received: 08/17/19 8:30

Parameters	Report Limit ppbv	Results ppbv	Report Limit ug/m3	Results ug/m3	DF	Analyzed	CAS No.
Air							
TO-15							
Benzene	0.23	4.0	0.75	13	2.29	08/23/19 1:00 MG2	71-43-2
Ethylbenzene	0.46	1.0	2	4.4	2.29	08/23/19 1:00 MG2	100-41-4
m&p-Xylene	0.92	3.3	4.1	14.6	2.29	08/23/19 1:00 MG2	179601-23-1
o-Xylene	0.46	1.6	2	7.1	2.29	08/23/19 1:00 MG2	95-47-6
THC as Gas	54.7	2050	237	8900	2.29	08/23/19 1:00 MG2	
Toluene	0.46	3.7	1.8	14.2	2.29	08/23/19 1:00 MG2	108-88-3

SUPPLEMENTAL REPORT

Units Conversion Request

August 27, 2019

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

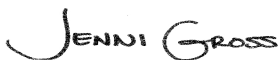
RE: Project: 70496.17
Pace Project No.: 10487874

Dear Christina McClelland:

Enclosed are the analytical results for sample(s) received by the laboratory on August 17, 2019. 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: Rosemarie Borths, GHD Services Inc.
Thuan Bui, GHD
Jeffrey Cloud, GHD Services Inc.
Matthew Davis, GHD Services Inc.
Eric Maise, GHD Services Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 70496.17

Pace Project No.: 10487874

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485

A2LA Certification #: 2926.01

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

CNMI Saipan Certification #: MP0003

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

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

Florida Certification #: E87605

Georgia Certification #: 959

Guam EPA Certification #: MN00064

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: 03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Massachusetts Certification #: M-MN064

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

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

Minnesota Petrofund Certification #: 1240

Mississippi Certification #: MN00064

Missouri Certification #: 10100

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 Primary 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

Vermont Certification #: VT-027053137

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 70496.17

Pace Project No.: 10487874

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10487874001	GW-081619-JRL-INF 1	Water	08/16/19 11:30	08/17/19 08:30
10487874002	GW-081619-JRL-INF 2	Water	08/16/19 11:15	08/17/19 08:30
10487874003	GW-081619-JRL-MID 1	Water	08/16/19 11:00	08/17/19 08:30
10487874004	GW-081619-JRL-MID 2	Water	08/16/19 10:45	08/17/19 08:30
10487874005	GW-081619-JRL-Total EFF	Water	08/16/19 09:45	08/17/19 08:30
10487874006	GW-081619-JRL-Total EFF 1	Water	08/16/19 09:45	08/17/19 08:30
10487874007	GW-081619-JRL-Total EFF 2	Water	08/16/19 10:00	08/17/19 08:30
10487874008	GW-081619-JRL-Total EFF 3	Water	08/16/19 10:15	08/17/19 08:30
10487874009	GW-081619-JRL-Total EFF 4	Water	08/16/19 10:30	08/17/19 08:30
10487874010	GW-081619-JRL-Total EFF 5	Water	08/16/19 09:45	08/17/19 08:30
10487874011	GW-081619-JRL-Total EFF 6	Water	08/16/19 10:00	08/17/19 08:30
10487874012	GW-081619-JRL-Total EFF 7	Water	08/16/19 10:15	08/17/19 08:30
10487874015	GW-081619-JRL-Total EFF 5-7	Water	08/16/19 10:15	08/17/19 08:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 70496.17

Pace Project No.: 10487874

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10487874001	GW-081619-JRL-INF 1	NWTPH-Dx	JVM	4	PASI-M
10487874002	GW-081619-JRL-INF 2	NWTPH-Dx	JVM	4	PASI-M
10487874003	GW-081619-JRL-MID 1	NWTPH-Dx	JVM	4	PASI-M
10487874004	GW-081619-JRL-MID 2	NWTPH-Dx	JVM	4	PASI-M
10487874005	GW-081619-JRL-Total EFF	NWTPH-Dx	JVM	4	PASI-M
10487874015	GW-081619-JRL-Total EFF 5-7	EPA 1664B OG	JER	1	PASI-M

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10487874

Sample: GW-081619-JRL-INF 1		Lab ID: 10487874001	Collected: 08/16/19 11:30	Received: 08/17/19 08:30	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	6760	ug/L	400	1	08/20/19 14:09	08/21/19 15:12	68334-30-5	
Motor Oil Range SG	ND	ug/L	400	1	08/20/19 14:09	08/21/19 15:12	64742-65-0	
Surrogates								
o-Terphenyl (S)	110	%.	50-150	1	08/20/19 14:09	08/21/19 15:12	84-15-1	
n-Triacontane (S)	87	%.	50-150	1	08/20/19 14:09	08/21/19 15:12	638-68-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10487874

Sample: GW-081619-JRL-INF 2		Lab ID: 10487874002	Collected: 08/16/19 11:15	Received: 08/17/19 08:30	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	7930	ug/L	417	1	08/20/19 14:09	08/21/19 15:24	68334-30-5	
Motor Oil Range SG	842	ug/L	417	1	08/20/19 14:09	08/21/19 15:24	64742-65-0	
Surrogates								
o-Terphenyl (S)	65	%.	50-150	1	08/20/19 14:09	08/21/19 15:24	84-15-1	
n-Triacontane (S)	71	%.	50-150	1	08/20/19 14:09	08/21/19 15:24	638-68-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10487874

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: GW-081619-JRL-MID 1 Lab ID: 10487874003 Collected: 08/16/19 11:00 Received: 08/17/19 08:30 Matrix: Water								
NWTPH-Dx GCS Silica Gel LV Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C								
Diesel Fuel Range SG	1050	ug/L	455	1	08/20/19 14:09	08/21/19 15:35	68334-30-5	
Motor Oil Range SG	ND	ug/L	455	1	08/20/19 14:09	08/21/19 15:35	64742-65-0	
Surrogates								
o-Terphenyl (S)	90	%	50-150	1	08/20/19 14:09	08/21/19 15:35	84-15-1	
n-Triacontane (S)	87	%	50-150	1	08/20/19 14:09	08/21/19 15:35	638-68-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10487874

Sample: GW-081619-JRL-MID 2		Lab ID: 10487874004	Collected: 08/16/19 10:45	Received: 08/17/19 08:30	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	ug/L	400	1	08/20/19 14:09	08/21/19 15:47	68334-30-5	
Motor Oil Range SG	ND	ug/L	400	1	08/20/19 14:09	08/21/19 15:47	64742-65-0	
Surrogates								
o-Terphenyl (S)	81	%.	50-150	1	08/20/19 14:09	08/21/19 15:47	84-15-1	
n-Triacontane (S)	82	%.	50-150	1	08/20/19 14:09	08/21/19 15:47	638-68-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10487874

Sample: GW-081619-JRL-Total EFF		Lab ID: 10487874005	Collected: 08/16/19 09:45	Received: 08/17/19 08:30	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	ug/L	392	1	08/20/19 14:09	08/21/19 15:58	68334-30-5	
Motor Oil Range SG	ND	ug/L	392	1	08/20/19 14:09	08/21/19 15:58	64742-65-0	
Surrogates								
o-Terphenyl (S)	69	%.	50-150	1	08/20/19 14:09	08/21/19 15:58	84-15-1	
n-Triacontane (S)	73	%.	50-150	1	08/20/19 14:09	08/21/19 15:58	638-68-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10487874

Sample: GW-081619-JRL-Total EFF 5-7 **Lab ID:** 10487874015 Collected: 08/16/19 10:15 Received: 08/17/19 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664B HEM, Oil and Grease								
Analytical Method: EPA 1664B OG								
Oil and Grease	ND	ug/L	6490	1		08/22/19 07:34		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10487874

QC Batch: 627349 Analysis Method: NWTPH-Dx
QC Batch Method: EPA Mod. 3510C Analysis Description: NWTPH-Dx GCS LV SG
Associated Lab Samples: 10487874001, 10487874002, 10487874003, 10487874004, 10487874005

METHOD BLANK: 3385195 Matrix: Water
Associated Lab Samples: 10487874001, 10487874002, 10487874003, 10487874004, 10487874005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Fuel Range SG	ug/L	ND	400	08/21/19 12:08	
Motor Oil Range SG	ug/L	ND	400	08/21/19 12:08	
n-Triacontane (S)	%.	70	50-150	08/21/19 12:08	
o-Terphenyl (S)	%.	72	50-150	08/21/19 12:08	

LABORATORY CONTROL SAMPLE & LCSD: 3385196

Parameter	Units	3385197		LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result						
Diesel Fuel Range SG	ug/L	2000	1650	82	84	50-150	2	20	
Motor Oil Range SG	ug/L	2000	1670	84	87	50-150	4	20	
n-Triacontane (S)	%.			80	78	50-150			
o-Terphenyl (S)	%.			85	86	50-150			

SAMPLE DUPLICATE: 3385198

Parameter	Units	10487750001		RPD	Max RPD	Qualifiers
		Result	Dup Result			
Diesel Fuel Range SG	ug/L	0.080J mg/L	76.4J		30	
Motor Oil Range SG	ug/L	<0.078 mg/L	ND		30	
n-Triacontane (S)	%.	81	83			
o-Terphenyl (S)	%.	81	80			

SAMPLE DUPLICATE: 3385199

Parameter	Units	10487750011		RPD	Max RPD	Qualifiers
		Result	Dup Result			
Diesel Fuel Range SG	ug/L	<0.069 mg/L	ND		30	
Motor Oil Range SG	ug/L	<0.082 mg/L	ND		30	
n-Triacontane (S)	%.	78	68			
o-Terphenyl (S)	%.	76	64			

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10487874

QC Batch: 627679	Analysis Method: EPA 1664B OG
QC Batch Method: EPA 1664B OG	Analysis Description: 1664B HEM, Oil and Grease
Associated Lab Samples: 10487874015	

METHOD BLANK: 3386983 Matrix: Water
Associated Lab Samples: 10487874015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	ug/L	ND	5000	08/22/19 07:34	

LABORATORY CONTROL SAMPLE: 3386984

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	ug/L	40000	37800	94	78-114	

MATRIX SPIKE SAMPLE: 3386985

Parameter	Units	10488163001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	ug/L	ND	45500	34800	74	78-114	M1

SAMPLE DUPLICATE: 3386986

Parameter	Units	10487472001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	ug/L	3.0J mg/L	3530J		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

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QUALIFIERS

Project: 70496.17

Pace Project No.: 10487874

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: 627679

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

ANALYTE QUALIFIERS

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 70496.17

Pace Project No.: 10487874

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10487874001	GW-081619-JRL-INF 1	EPA Mod. 3510C	627349	NWTPH-Dx	627622
10487874002	GW-081619-JRL-INF 2	EPA Mod. 3510C	627349	NWTPH-Dx	627622
10487874003	GW-081619-JRL-MID 1	EPA Mod. 3510C	627349	NWTPH-Dx	627622
10487874004	GW-081619-JRL-MID 2	EPA Mod. 3510C	627349	NWTPH-Dx	627622
10487874005	GW-081619-JRL-Total EFF	EPA Mod. 3510C	627349	NWTPH-Dx	627622
10487874015	GW-081619-JRL-Total EFF 5-7	EPA 1664B OG	627679		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed 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: Standard
 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: 2085 Niagara Falls Boulevard Suite #3, Niagara Falls, New York, 14304
 Pace Quote Reference:
 Pace Project Manager: Jennifer Gross
 Pace Profile #:
 State/Location:
 Regulatory Agency:

Page: 1 Of 1

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		# OF CONTAINERS	PRESERVATIVES	ANALYSES TEST	Request Analysis Filtered (Y/N)
			START DATE TIME	END DATE TIME				
1	GW-DB1619 - JWA - INF 1	WT G	8/16/19 1130		8	Unpreserved	TFHd (NMTPH-Dx) with Silica Gel TFHg (NMTPH-Gx) BTEX (EPA 8260) FOG 1694	
2	GW-DB1619 - JWA - INF 2	WT G	8/16/19 1115		8	HCl		
3	GW-DB1619 - JWA - MID 1	WT G	8/16/19 1100		8	NaOH		
4	GW-DB1619 - JWA - MID 2	WT G	8/16/19 1045		8	Na2S2O3		
5	GW-DB1619 - JWA - Total EFF	WT G	8/16/19 0945		2	Other		
6	GW-DB1619 - JWA - Total EFF 1	WT G	8/16/19 1000		2			
7	GW-DB1619 - JWA - Total EFF 2	WT G	8/16/19 1015		2			
8	GW-DB1619 - JWA - Total EFF 3	WT G	8/16/19 1030		2			
9	GW-DB1619 - JWA - Total EFF 4	WT G	8/16/19 0945		2			
10	GW-DB1619 - JWA - Total EFF 5	WT G	8/16/19 1000		1			
11	GW-DB1619 - JWA - Total EFF 6	WT G	8/16/19 1015		1			
11	GW-DB1619 - JWA - Total EFF 7	WT G	8/16/19 1015		1			

ADDITIONAL COMMENTS:
 4 TRAP 8/17/19 CM7
 4 TRAP BLANK

PERFORMED BY / AFFILIATION: [Signature] PACE

ACCEPTED BY / AFFILIATION: [Signature] PACE

DATE TIME
 8/16/19 1230
 8/17/19 530 EST

TEMP IN C

Received on Ice (Y/N)

Custody Sealed (Y/N)

Color (Y/N)

Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE: JOE LEVANDOWSKI
PRINT Name of SAMPLER: JOE LEVANDOWSKI
SIGNATURE of SAMPLER: [Signature]
DATE Signed: 8/16/19

GW MONTHLY

WO#: 10487874

10487874

Sample Condition Upon Receipt Client Name: GHD Project #: **WO# : 10487874**

Courier: Fed Ex UPS USPS Client
 Pace Speedee Commercial See Exception

Tracking Number: 7591 8845 9946

Custody Seal on Cooler/Box Present? Yes No Seals Intact? Yes No Biological Tissue Frozen? Yes No N/A

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

Thermometer: T1(0461) T2(1336) T3(0459) T4(0254) T5(0489) Type of Ice: Wet Blue None Dry Melted

Note: Each West Virginia Sample must have temp taken (no temp blanks)

Temp should be above freezing to 6°C	Cooler Temp Read w/temp blank: <u>5.6</u> °C	Average Corrected Temp (no temp blank only): <input type="checkbox"/>
Correction Factor: <u>10.1</u>	Cooler Temp Corrected w/temp blank: <u>5.7</u> °C	See Exceptions <input type="checkbox"/>

USDA Regulated Soil: N/A, water sample/Other: _____ Date/Initials of Person Examining Contents: 8/19/19 CMJ

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 and Filled Out? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Relinquished? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Sampler Name and/or Signature on COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Samples Arrived within Hold Time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	4.
Short Hold Time Analysis (<72 hr)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. <input type="checkbox"/> Fecal Coliform <input type="checkbox"/> HPC <input type="checkbox"/> Total Coliform/E coli <input type="checkbox"/> BOD/cBOD <input type="checkbox"/> Hex Chrome <input type="checkbox"/> Turbidity <input type="checkbox"/> Nitrate <input type="checkbox"/> Nitrite <input type="checkbox"/> Orthophos <input type="checkbox"/> Other
Rush Turn Around Time Requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7.
Correct Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
-Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Field Filtered Volume Received for Dissolved Tests? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10. Is sediment visible in the dissolved container? <input type="checkbox"/> Yes <input type="checkbox"/> No
Is sufficient information available to reconcile the samples to the COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11. If no, write ID/ Date/Time on Container Below: <input type="checkbox"/> See Exception
Matrix: <input checked="" type="checkbox"/> Water <input type="checkbox"/> Soil <input type="checkbox"/> Oil <input type="checkbox"/> Other	
All containers needing acid/base preservation have been checked? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12. Sample # <input type="checkbox"/> NaOH <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> Zinc Acetate
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , <2pH, NaOH >9 Sulfide, NaOH >12 Cyanide) <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Positive for Res. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No pH Paper Lot# <input type="checkbox"/> See Exception
Exceptions: <u>VOA</u> Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Res. Chlorine 0-6 Roll 0-6 Strip 0-14 Strip
Headspace in VOA Vials (greater than 6mm)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13. <input type="checkbox"/> See Exception
Trip Blank Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14. Pace Trip Blank Lot # (if purchased): <u>218425</u>
Trip Blank Custody Seals Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

CLIENT NOTIFICATION/RESOLUTION

Person Contacted: _____ Date/Time: _____ Field Data Required? Yes No

Comments/Resolution: _____

Project Manager Review: JENNI GROSS Date: 08/19/19

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

September 05, 2019

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

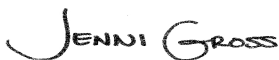
RE: Project: 70496.17
Pace Project No.: 10489455

Dear Christina McClelland:

Enclosed are the analytical results for sample(s) received by the laboratory on August 29, 2019. 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: Rosemarie Borths, GHD Services Inc.
Thuan Bui, GHD
Jeffrey Cloud, GHD Services Inc.
Matthew Davis, GHD Services Inc.
Eric Maise, GHD Services Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 70496.17

Pace Project No.: 10489455

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485

A2LA Certification #: 2926.01

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

CNMI Saipan Certification #: MP0003

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

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

Florida Certification #: E87605

Georgia Certification #: 959

Guam EPA Certification #: MN00064

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: 03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Massachusetts Certification #: M-MN064

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

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

Minnesota Petrofund Certification #: 1240

Mississippi Certification #: MN00064

Missouri Certification #: 10100

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 Primary 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

Vermont Certification #: VT-027053137

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 70496.17

Pace Project No.: 10489455

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10489455001	GW-082719-JRL-INF 1	Water	08/27/19 12:45	08/29/19 08:30
10489455002	GW-082719-JRL-INF 2	Water	08/27/19 12:30	08/29/19 08:30
10489455003	GW-082719-JRL-MID 1	Water	08/27/19 12:15	08/29/19 08:30
10489455004	GW-082719-JRL-MID 2	Water	08/27/19 12:00	08/29/19 08:30
10489455005	GW-082719-JRL-Total EFF 1	Water	08/27/19 11:00	08/29/19 08:30
10489455006	GW-082719-JRL-Total EFF 2	Water	08/27/19 11:15	08/29/19 08:30
10489455007	GW-082719-JRL-Total EFF 3	Water	08/27/19 11:30	08/29/19 08:30
10489455008	GW-082719-JRL-Total EFF 4	Water	08/27/19 11:45	08/29/19 08:30
10489455009	Trip Blank	Water	08/27/19 00:00	08/29/19 08:30
10489455010	GW-082719-JRL-Total EFF 1-4	Water	08/27/19 11:45	08/29/19 08:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 70496.17

Pace Project No.: 10489455

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10489455001	GW-082719-JRL-INF 1	NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10489455002	GW-082719-JRL-INF 2	NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10489455003	GW-082719-JRL-MID 1	NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10489455004	GW-082719-JRL-MID 2	NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10489455009	Trip Blank	NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10489455010	GW-082719-JRL-Total EFF 1-4	NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	DS2	7	PASI-M

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10489455

Sample: GW-082719-JRL-INF 1		Lab ID: 10489455001	Collected: 08/27/19 12:45	Received: 08/29/19 08:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	104000	ug/L	2500	25		09/04/19 10:37		
Surrogates								
a,a,a-Trifluorotoluene (S)	76	%.	50-150	25		09/04/19 10:37	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	20500	ug/L	200	200		09/04/19 05:54	71-43-2	
Ethylbenzene	1180	ug/L	50.0	50		08/31/19 20:46	100-41-4	
Toluene	15300	ug/L	200	200		09/04/19 05:54	108-88-3	
Xylene (Total)	8200	ug/L	600	200		09/04/19 05:54	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%.	75-125	50		08/31/19 20:46	17060-07-0	
Toluene-d8 (S)	92	%.	75-125	50		08/31/19 20:46	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125	50		08/31/19 20:46	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10489455

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: GW-082719-JRL-INF 2 Lab ID: 10489455002 Collected: 08/27/19 12:30 Received: 08/29/19 08:30 Matrix: Water								
NWTPH-Gx GCV Analytical Method: NWTPH-Gx								
TPH as Gas	1320	ug/L	100	1		09/04/19 06:24		
Surrogates								
a,a,a-Trifluorotoluene (S)	76	%.	50-150	1		09/04/19 06:24	98-08-8	
8260B MSV UST Analytical Method: EPA 8260B								
Benzene	556	ug/L	10.0	10		09/04/19 05:31	71-43-2	
Ethylbenzene	1.5	ug/L	1.0	1		08/31/19 16:01	100-41-4	
Toluene	31.4	ug/L	1.0	1		08/31/19 16:01	108-88-3	
Xylene (Total)	186	ug/L	30.0	10		09/04/19 05:31	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	93	%.	75-125	1		08/31/19 16:01	17060-07-0	
Toluene-d8 (S)	92	%.	75-125	1		08/31/19 16:01	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125	1		08/31/19 16:01	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10489455

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: GW-082719-JRL-MID 1 Lab ID: 10489455003 Collected: 08/27/19 12:15 Received: 08/29/19 08:30 Matrix: Water								
NWTPH-Gx GCV Analytical Method: NWTPH-Gx								
TPH as Gas	ND	ug/L	100	1		09/04/19 06:58		
Surrogates								
a,a,a-Trifluorotoluene (S)	74	%	50-150	1		09/04/19 06:58	98-08-8	
8260B MSV UST Analytical Method: EPA 8260B								
Benzene	12.2	ug/L	1.0	1		09/04/19 03:32	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		09/04/19 03:32	100-41-4	
Toluene	2.0	ug/L	1.0	1		09/04/19 03:32	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		09/04/19 03:32	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	85	%	75-125	1		09/04/19 03:32	17060-07-0	
Toluene-d8 (S)	82	%	75-125	1		09/04/19 03:32	2037-26-5	
4-Bromofluorobenzene (S)	98	%	75-125	1		09/04/19 03:32	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10489455

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: GW-082719-JRL-MID 2 Lab ID: 10489455004 Collected: 08/27/19 12:00 Received: 08/29/19 08:30 Matrix: Water								
NWTPH-Gx GCV Analytical Method: NWTPH-Gx								
TPH as Gas	ND	ug/L	100	1		09/04/19 07:15		
Surrogates								
a,a,a-Trifluorotoluene (S)	72	%	50-150	1		09/04/19 07:15	98-08-8	
8260B MSV UST Analytical Method: EPA 8260B								
Benzene	ND	ug/L	1.0	1		08/31/19 16:49	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		08/31/19 16:49	100-41-4	
Toluene	ND	ug/L	1.0	1		08/31/19 16:49	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		08/31/19 16:49	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%	75-125	1		08/31/19 16:49	17060-07-0	
Toluene-d8 (S)	93	%	75-125	1		08/31/19 16:49	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125	1		08/31/19 16:49	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10489455

Sample: Trip Blank		Lab ID: 10489455009	Collected: 08/27/19 00:00	Received: 08/29/19 08:30	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		09/04/19 08:22		
Surrogates								
a,a,a-Trifluorotoluene (S)	78	%.	50-150	1		09/04/19 08:22	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		08/31/19 13:39	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		08/31/19 13:39	100-41-4	
Toluene	ND	ug/L	1.0	1		08/31/19 13:39	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		08/31/19 13:39	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%.	75-125	1		08/31/19 13:39	17060-07-0	
Toluene-d8 (S)	94	%.	75-125	1		08/31/19 13:39	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	75-125	1		08/31/19 13:39	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10489455

Sample: GW-082719-JRL-Total EFF 1-4 **Lab ID:** 10489455010 Collected: 08/27/19 11:45 Received: 08/29/19 08:30 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		09/04/19 06:08		
Surrogates								
a,a,a-Trifluorotoluene (S)	73	%	50-150	1		09/04/19 06:08	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		08/31/19 14:27	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		08/31/19 14:27	100-41-4	
Toluene	ND	ug/L	1.0	1		08/31/19 14:27	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		08/31/19 14:27	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	96	%	75-125	1		08/31/19 14:27	17060-07-0	
Toluene-d8 (S)	94	%	75-125	1		08/31/19 14:27	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125	1		08/31/19 14:27	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10489455

QC Batch: 629971 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Water
Associated Lab Samples: 10489455001, 10489455002, 10489455003, 10489455004, 10489455009, 10489455010

METHOD BLANK: 3397663 Matrix: Water
Associated Lab Samples: 10489455001, 10489455002, 10489455003, 10489455004, 10489455009, 10489455010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	09/04/19 05:51	
a,a,a-Trifluorotoluene (S)	%.	77	50-150	09/04/19 05:51	

METHOD BLANK: 3397664 Matrix: Water
Associated Lab Samples: 10489455001, 10489455002, 10489455003, 10489455004, 10489455009, 10489455010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	09/04/19 09:12	
a,a,a-Trifluorotoluene (S)	%.	76	50-150	09/04/19 09:12	

LABORATORY CONTROL SAMPLE & LCSD: 3397665 3397666

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	959	983	96	98	75-125	2	20	
a,a,a-Trifluorotoluene (S)	%.				89	92	50-150			

SAMPLE DUPLICATE: 3397674

Parameter	Units	10489455001 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	104000	109000		5	30
a,a,a-Trifluorotoluene (S)	%.	76	78			

SAMPLE DUPLICATE: 3397687

Parameter	Units	10489455002 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1320	1290		2	30
a,a,a-Trifluorotoluene (S)	%.	76	76			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10489455

QC Batch: 629717 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV UST-WATER
Associated Lab Samples: 10489455001, 10489455002, 10489455004, 10489455009, 10489455010

METHOD BLANK: 3396649 Matrix: Water
Associated Lab Samples: 10489455001, 10489455002, 10489455004, 10489455009, 10489455010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	08/31/19 12:52	
Ethylbenzene	ug/L	ND	1.0	08/31/19 12:52	
Toluene	ug/L	ND	1.0	08/31/19 12:52	
Xylene (Total)	ug/L	ND	3.0	08/31/19 12:52	
1,2-Dichloroethane-d4 (S)	%	96	75-125	08/31/19 12:52	
4-Bromofluorobenzene (S)	%	101	75-125	08/31/19 12:52	
Toluene-d8 (S)	%	93	75-125	08/31/19 12:52	

LABORATORY CONTROL SAMPLE: 3396650

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	22.9	114	75-125	
Ethylbenzene	ug/L	20	21.4	107	75-125	
Toluene	ug/L	20	20.3	102	75-125	
Xylene (Total)	ug/L	60	65.1	108	75-125	
1,2-Dichloroethane-d4 (S)	%			101	75-125	
4-Bromofluorobenzene (S)	%			99	75-125	
Toluene-d8 (S)	%			92	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3397844 3397845

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		10489455010 Result	Spike Conc.	Spike Conc.	Result							
Benzene	ug/L	ND	20	20	23.6	23.8	118	119	30-150	1	30	
Ethylbenzene	ug/L	ND	20	20	22.3	23.5	112	117	30-150	5	30	
Toluene	ug/L	ND	20	20	21.4	22.4	107	112	30-150	4	30	
Xylene (Total)	ug/L	ND	60	60	67.0	69.1	112	115	30-150	3	30	
1,2-Dichloroethane-d4 (S)	%						97	98	75-125			
4-Bromofluorobenzene (S)	%						99	100	75-125			
Toluene-d8 (S)	%						92	92	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

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10489455

QC Batch: 630062 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV UST-WATER
Associated Lab Samples: 10489455003

METHOD BLANK: 3398017 Matrix: Water
Associated Lab Samples: 10489455003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	09/03/19 21:59	
Ethylbenzene	ug/L	ND	1.0	09/03/19 21:59	
Toluene	ug/L	ND	1.0	09/03/19 21:59	
Xylene (Total)	ug/L	ND	3.0	09/03/19 21:59	
1,2-Dichloroethane-d4 (S)	%	88	75-125	09/03/19 21:59	
4-Bromofluorobenzene (S)	%	99	75-125	09/03/19 21:59	
Toluene-d8 (S)	%	86	75-125	09/03/19 21:59	

LABORATORY CONTROL SAMPLE: 3398018

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	21.6	108	75-125	
Ethylbenzene	ug/L	20	19.9	100	75-125	
Toluene	ug/L	20	19.3	97	75-125	
Xylene (Total)	ug/L	60	59.6	99	75-125	
1,2-Dichloroethane-d4 (S)	%			90	75-125	
4-Bromofluorobenzene (S)	%			99	75-125	
Toluene-d8 (S)	%			88	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3399151 3399152

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		10489976001 Result	Spike Conc.	Spike Conc.	Result						
Benzene	ug/L	ND	100	100	109	97.8	109	98	30-150	11	30
Ethylbenzene	ug/L	ND	100	100	103	91.0	103	91	30-150	13	30
Toluene	ug/L	ND	100	100	100	87.6	100	88	30-150	13	30
Xylene (Total)	ug/L	ND	300	300	307	271	102	90	30-150	12	30
1,2-Dichloroethane-d4 (S)	%							90	75-125		
4-Bromofluorobenzene (S)	%							98	75-125		
Toluene-d8 (S)	%							87	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

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QUALIFIERS

Project: 70496.17

Pace Project No.: 10489455

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

REPORT OF LABORATORY ANALYSIS

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METHOD CROSS REFERENCE TABLE

Project: 70496.17
Pace Project No.: 10489455

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 70496.17

Pace Project No.: 10489455

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10489455001	GW-082719-JRL-INF 1	NWTPH-Gx	629971		
10489455002	GW-082719-JRL-INF 2	NWTPH-Gx	629971		
10489455003	GW-082719-JRL-MID 1	NWTPH-Gx	629971		
10489455004	GW-082719-JRL-MID 2	NWTPH-Gx	629971		
10489455009	Trip Blank	NWTPH-Gx	629971		
10489455010	GW-082719-JRL-Total EFF 1-4	NWTPH-Gx	629971		
10489455001	GW-082719-JRL-INF 1	EPA 8260B	629717		
10489455002	GW-082719-JRL-INF 2	EPA 8260B	629717		
10489455003	GW-082719-JRL-MID 1	EPA 8260B	630062		
10489455004	GW-082719-JRL-MID 2	EPA 8260B	629717		
10489455009	Trip Blank	EPA 8260B	629717		
10489455010	GW-082719-JRL-Total EFF 1-4	EPA 8260B	629717		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information: Section B Required Project Information: Section C Invoice Information:

Company: GHD Services, Inc.
Address: 20818 44th Avenue West, Suite 190
 Lynnwood, WA 98036
Email To: christina.mcclelland@ghd.com, eric.maise@ghd.com,
 thuan.bui@ghd.com
Phone: (425) 563-6502 | Fax: ~~5 Day~~
Requested Due Date/TAT:


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

Attention: Christina McClelland
Company Name: GHD Services, Inc.
Address: 2055 Niagara Falls Boulevard Suite #3, Niagara Falls, New York, 14304
Pace Quote Reference:
Pace Project Manager: Jennifer Gross
Pace Profile #:

Regulatory Agency:
State / Location:

ITEM #	MATRIX	CODE	COLLECTED		DATE	TIME	SAMPLE TYPE (G-GRAB C-COMP)	MATRIX CODE (see valid codes to left)	# OF CONTAINERS	PRESERVATIVES										Requested Analysis Filtered (Y/N)	Residual Chrome (Y/N)		
			START	END						H2SO4	HNO3	HCl	NaOH	Na2SO3	Methanol	Other	AsH3 (NWT-P-D) with Silica Gel	TPH (NWT-P-G)	BTEX (EPA 8260)			FOG 1564	
1	GW-082719	JRL-INF 1	1245				WT G			X	X	X	X	X	X	X	X			001			
2	GW-082719	JRL-INF 2	1230				WT G			X	X	X	X	X	X	X	X			002			
3	GW-082719	JRL-MID 1	1215				WT G			X	X	X	X	X	X	X	X			003			
4	GW-082719	JRL-MID 2	1200				WT G			X	X	X	X	X	X	X	X			004			
5	GW-082719	Total EFF 1	9/19/11				WT G			X	X	X	X	X	X	X	X			005			
6	GW-082719	Total EFF 2	1115				WT G			X	X	X	X	X	X	X	X			006			
7	GW-082719	Total EFF 3	1130				WT G			X	X	X	X	X	X	X	X			Composite EFF 1, 2, 3, 4 at lab			
8	GW-082719	Total EFF 4	1145				WT G			X	X	X	X	X	X	X	X			008			
9	GW	Total EFF 5					WT G			X	X	X	X	X	X	X	X			Composite EFF 5, 6, 7 at lab			
10	GW	Total EFF 6					WT G			X	X	X	X	X	X	X	X						
11	GW	Total EFF 7					WT G			X	X	X	X	X	X	X	X						
ADDITIONAL COMMENTS		Pre samples		Date		Time		Accepted by / Affiliation		Date		Time		Sample Conditions		Temp in C		Received on Ice (Y/N)		Custody Sealed (Y/N)		Samples Intact (Y/N)	
		Trip Blank 5/8/2019 009		8/27/19 1300		PAC		PAC		8-29-19		0830		4.3		Y		N		Y		Y	

NO#: 10489455



10489455

SAMPLER NAME AND SIGNATURE: *Joe Lemanski*
PRINT Name of SAMPLER: JOE LEMANSKI
SIGNATURE of SAMPLER: *[Signature]*
DATE Signed: 8-27-19

Sample Condition Upon Receipt **Client Name:** GHD **Project #:** **WO# : 10489455**

Courier: Fed Ex UPS USPS Client
 Pace Speedee Commercial See Exceptions

Tracking Number: 493437328306

PM: JMG **Due Date:** 09/04/19
CLIENT: GHD_WA

Custody Seal on Cooler/Box Present? Yes No **Seals Intact?** Yes No **Biological Tissue Frozen?** Yes No N/A

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

Thermometer: T1(0461) T2(1336) T3(0459)
 T4(0254) T5(0489) **Type of Ice:** Wet Blue None Dry Melted

Note: Each West Virginia Sample must have temp taken (no temp blanks)

Temp should be above freezing to 6°C	Cooler Temp Read w/temp blank: <u>4.4</u> °C	Average Corrected Temp (no temp blank only): <input type="checkbox"/> See Exceptions <input type="checkbox"/> 1 Container
Correction Factor: <u>-0.1</u>	Cooler Temp Corrected w/temp blank: <u>4.3</u> °C	

USDA Regulated Soil: N/A, water sample/Other: _____ **Date/Initials of Person Examining Contents:** RNC 8-29-19

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 and Filled Out? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Relinquished? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Sampler Name and/or Signature on COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Samples Arrived within Hold Time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	4.
Short Hold Time Analysis (<72 hr)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. <input type="checkbox"/> Fecal Coliform <input type="checkbox"/> HPC <input type="checkbox"/> Total Coliform/E coli <input type="checkbox"/> BOD/cBOD <input type="checkbox"/> Hex Chrome <input type="checkbox"/> Turbidity <input type="checkbox"/> Nitrate <input type="checkbox"/> Nitrite <input type="checkbox"/> Orthophos <input type="checkbox"/> Other
Rush Turn Around Time Requested? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7.
Correct Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
-Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Field Filtered Volume Received for Dissolved Tests? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10. Is sediment visible in the dissolved container? <input type="checkbox"/> Yes <input type="checkbox"/> No
Is sufficient information available to reconcile the samples to the COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11. If no, write ID/ Date/Time on Container Below: <input type="checkbox"/> See Exception
Matrix: <input checked="" type="checkbox"/> Water <input type="checkbox"/> Soil <input type="checkbox"/> Oil <input type="checkbox"/> Other	
All containers needing acid/base preservation have been checked? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12. Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> NaOH <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> Zinc Acetate
Exceptions: <u>VOA</u> Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Positive for Res. Chlorine? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> See Exception
	Res. Chlorine 0-6 Roll 0-6 Strip 0-14 Strip
Headspace in VOA Vials (greater than 6mm)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13. <input type="checkbox"/> See Exception
Trip Blank Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.
Trip Blank Custody Seals Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Pace Trip Blank Lot # (if purchased): <u>070119-304R</u>

CLIENT NOTIFICATION/RESOLUTION

Person Contacted: _____ Date/Time: _____ **Field Data Required?** Yes No

Comments/Resolution: _____

Project Manager Review: _____ **Date:** 08/29/19

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

Labeled by: RNC Page 18 of 18

September 05, 2019

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

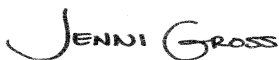
RE: Project: 70496.17
Pace Project No.: 10489455

Dear Christina McClelland:

Enclosed are the analytical results for sample(s) received by the laboratory on August 29, 2019. 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: Rosemarie Borths, GHD Services Inc.
Thuan Bui, GHD
Jeffrey Cloud, GHD Services Inc.
Matthew Davis, GHD Services Inc.
Eric Maise, GHD Services Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 70496.17

Pace Project No.: 10489455

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485

A2LA Certification #: 2926.01

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

CNMI Saipan Certification #: MP0003

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

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

Florida Certification #: E87605

Georgia Certification #: 959

Guam EPA Certification #: MN00064

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: 03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Massachusetts Certification #: M-MN064

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

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

Minnesota Petrofund Certification #: 1240

Mississippi Certification #: MN00064

Missouri Certification #: 10100

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 Primary 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

Vermont Certification #: VT-027053137

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 70496.17

Pace Project No.: 10489455

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10489455001	GW-082719-JRL-INF 1	Water	08/27/19 12:45	08/29/19 08:30
10489455002	GW-082719-JRL-INF 2	Water	08/27/19 12:30	08/29/19 08:30
10489455003	GW-082719-JRL-MID 1	Water	08/27/19 12:15	08/29/19 08:30
10489455004	GW-082719-JRL-MID 2	Water	08/27/19 12:00	08/29/19 08:30
10489455005	GW-082719-JRL-Total EFF 1	Water	08/27/19 11:00	08/29/19 08:30
10489455006	GW-082719-JRL-Total EFF 2	Water	08/27/19 11:15	08/29/19 08:30
10489455007	GW-082719-JRL-Total EFF 3	Water	08/27/19 11:30	08/29/19 08:30
10489455008	GW-082719-JRL-Total EFF 4	Water	08/27/19 11:45	08/29/19 08:30
10489455009	Trip Blank	Water	08/27/19 00:00	08/29/19 08:30
10489455010	GW-082719-JRL-Total EFF 1-4	Water	08/27/19 11:45	08/29/19 08:30

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SAMPLE ANALYTE COUNT

Project: 70496.17

Pace Project No.: 10489455

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10489455001	GW-082719-JRL-INF 1	NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10489455002	GW-082719-JRL-INF 2	NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10489455003	GW-082719-JRL-MID 1	NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10489455004	GW-082719-JRL-MID 2	NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10489455009	Trip Blank	NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10489455010	GW-082719-JRL-Total EFF 1-4	NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	DS2	7	PASI-M

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10489455

Sample: GW-082719-JRL-INF 1		Lab ID: 10489455001	Collected: 08/27/19 12:45	Received: 08/29/19 08:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	104000	ug/L	2500	25		09/04/19 10:37		
Surrogates								
a,a,a-Trifluorotoluene (S)	76	%.	50-150	25		09/04/19 10:37	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	20500	ug/L	200	200		09/04/19 05:54	71-43-2	
Ethylbenzene	1180	ug/L	50.0	50		08/31/19 20:46	100-41-4	
Toluene	15300	ug/L	200	200		09/04/19 05:54	108-88-3	
Xylene (Total)	8200	ug/L	600	200		09/04/19 05:54	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%.	75-125	50		08/31/19 20:46	17060-07-0	
Toluene-d8 (S)	92	%.	75-125	50		08/31/19 20:46	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125	50		08/31/19 20:46	460-00-4	

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10489455

Sample: GW-082719-JRL-INF 2		Lab ID: 10489455002	Collected: 08/27/19 12:30	Received: 08/29/19 08:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	1320	ug/L	100	1		09/04/19 06:24		
Surrogates								
a,a,a-Trifluorotoluene (S)	76	%.	50-150	1		09/04/19 06:24	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	556	ug/L	10.0	10		09/04/19 05:31	71-43-2	
Ethylbenzene	1.5	ug/L	1.0	1		08/31/19 16:01	100-41-4	
Toluene	31.4	ug/L	1.0	1		08/31/19 16:01	108-88-3	
Xylene (Total)	186	ug/L	30.0	10		09/04/19 05:31	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	93	%.	75-125	1		08/31/19 16:01	17060-07-0	
Toluene-d8 (S)	92	%.	75-125	1		08/31/19 16:01	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125	1		08/31/19 16:01	460-00-4	

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10489455

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: GW-082719-JRL-MID 1 Lab ID: 10489455003 Collected: 08/27/19 12:15 Received: 08/29/19 08:30 Matrix: Water								
NWTPH-Gx GCV Analytical Method: NWTPH-Gx								
TPH as Gas	ND	ug/L	100	1		09/04/19 06:58		
Surrogates								
a,a,a-Trifluorotoluene (S)	74	%	50-150	1		09/04/19 06:58	98-08-8	
8260B MSV UST Analytical Method: EPA 8260B								
Benzene	12.2	ug/L	1.0	1		09/04/19 03:32	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		09/04/19 03:32	100-41-4	
Toluene	2.0	ug/L	1.0	1		09/04/19 03:32	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		09/04/19 03:32	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	85	%	75-125	1		09/04/19 03:32	17060-07-0	
Toluene-d8 (S)	82	%	75-125	1		09/04/19 03:32	2037-26-5	
4-Bromofluorobenzene (S)	98	%	75-125	1		09/04/19 03:32	460-00-4	

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10489455

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: GW-082719-JRL-MID 2 Lab ID: 10489455004 Collected: 08/27/19 12:00 Received: 08/29/19 08:30 Matrix: Water								
NWTPH-Gx GCV Analytical Method: NWTPH-Gx								
TPH as Gas	ND	ug/L	100	1		09/04/19 07:15		
Surrogates								
a,a,a-Trifluorotoluene (S)	72	%	50-150	1		09/04/19 07:15	98-08-8	
8260B MSV UST Analytical Method: EPA 8260B								
Benzene	ND	ug/L	1.0	1		08/31/19 16:49	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		08/31/19 16:49	100-41-4	
Toluene	ND	ug/L	1.0	1		08/31/19 16:49	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		08/31/19 16:49	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%	75-125	1		08/31/19 16:49	17060-07-0	
Toluene-d8 (S)	93	%	75-125	1		08/31/19 16:49	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125	1		08/31/19 16:49	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10489455

Sample: Trip Blank		Lab ID: 10489455009	Collected: 08/27/19 00:00	Received: 08/29/19 08:30	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		09/04/19 08:22		
Surrogates								
a,a,a-Trifluorotoluene (S)	78	%.	50-150	1		09/04/19 08:22	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		08/31/19 13:39	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		08/31/19 13:39	100-41-4	
Toluene	ND	ug/L	1.0	1		08/31/19 13:39	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		08/31/19 13:39	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%.	75-125	1		08/31/19 13:39	17060-07-0	
Toluene-d8 (S)	94	%.	75-125	1		08/31/19 13:39	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	75-125	1		08/31/19 13:39	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10489455

Sample: GW-082719-JRL-Total EFF 1-4 **Lab ID:** 10489455010 Collected: 08/27/19 11:45 Received: 08/29/19 08:30 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		09/04/19 06:08		
Surrogates								
a,a,a-Trifluorotoluene (S)	73	%	50-150	1		09/04/19 06:08	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		08/31/19 14:27	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		08/31/19 14:27	100-41-4	
Toluene	ND	ug/L	1.0	1		08/31/19 14:27	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		08/31/19 14:27	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	96	%	75-125	1		08/31/19 14:27	17060-07-0	
Toluene-d8 (S)	94	%	75-125	1		08/31/19 14:27	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125	1		08/31/19 14:27	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10489455

QC Batch: 629971 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Water
Associated Lab Samples: 10489455001, 10489455002, 10489455003, 10489455004, 10489455009, 10489455010

METHOD BLANK: 3397663 Matrix: Water
Associated Lab Samples: 10489455001, 10489455002, 10489455003, 10489455004, 10489455009, 10489455010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	09/04/19 05:51	
a,a,a-Trifluorotoluene (S)	%.	77	50-150	09/04/19 05:51	

METHOD BLANK: 3397664 Matrix: Water
Associated Lab Samples: 10489455001, 10489455002, 10489455003, 10489455004, 10489455009, 10489455010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	09/04/19 09:12	
a,a,a-Trifluorotoluene (S)	%.	76	50-150	09/04/19 09:12	

LABORATORY CONTROL SAMPLE & LCSD: 3397665 3397666

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	959	983	96	98	75-125	2	20	
a,a,a-Trifluorotoluene (S)	%.				89	92	50-150			

SAMPLE DUPLICATE: 3397674

Parameter	Units	10489455001 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	104000	109000		5	30
a,a,a-Trifluorotoluene (S)	%.	76	78			

SAMPLE DUPLICATE: 3397687

Parameter	Units	10489455002 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1320	1290		2	30
a,a,a-Trifluorotoluene (S)	%.	76	76			

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10489455

QC Batch: 629717 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV UST-WATER
Associated Lab Samples: 10489455001, 10489455002, 10489455004, 10489455009, 10489455010

METHOD BLANK: 3396649 Matrix: Water
Associated Lab Samples: 10489455001, 10489455002, 10489455004, 10489455009, 10489455010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	08/31/19 12:52	
Ethylbenzene	ug/L	ND	1.0	08/31/19 12:52	
Toluene	ug/L	ND	1.0	08/31/19 12:52	
Xylene (Total)	ug/L	ND	3.0	08/31/19 12:52	
1,2-Dichloroethane-d4 (S)	%	96	75-125	08/31/19 12:52	
4-Bromofluorobenzene (S)	%	101	75-125	08/31/19 12:52	
Toluene-d8 (S)	%	93	75-125	08/31/19 12:52	

LABORATORY CONTROL SAMPLE: 3396650

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	22.9	114	75-125	
Ethylbenzene	ug/L	20	21.4	107	75-125	
Toluene	ug/L	20	20.3	102	75-125	
Xylene (Total)	ug/L	60	65.1	108	75-125	
1,2-Dichloroethane-d4 (S)	%			101	75-125	
4-Bromofluorobenzene (S)	%			99	75-125	
Toluene-d8 (S)	%			92	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3397844 3397845

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		10489455010 Result	Spike Conc.	Spike Conc.	Result							
Benzene	ug/L	ND	20	20	23.6	23.8	118	119	30-150	1	30	
Ethylbenzene	ug/L	ND	20	20	22.3	23.5	112	117	30-150	5	30	
Toluene	ug/L	ND	20	20	21.4	22.4	107	112	30-150	4	30	
Xylene (Total)	ug/L	ND	60	60	67.0	69.1	112	115	30-150	3	30	
1,2-Dichloroethane-d4 (S)	%						97	98	75-125			
4-Bromofluorobenzene (S)	%						99	100	75-125			
Toluene-d8 (S)	%						92	92	75-125			

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10489455

QC Batch: 630062 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV UST-WATER
Associated Lab Samples: 10489455003

METHOD BLANK: 3398017 Matrix: Water
Associated Lab Samples: 10489455003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	09/03/19 21:59	
Ethylbenzene	ug/L	ND	1.0	09/03/19 21:59	
Toluene	ug/L	ND	1.0	09/03/19 21:59	
Xylene (Total)	ug/L	ND	3.0	09/03/19 21:59	
1,2-Dichloroethane-d4 (S)	%	88	75-125	09/03/19 21:59	
4-Bromofluorobenzene (S)	%	99	75-125	09/03/19 21:59	
Toluene-d8 (S)	%	86	75-125	09/03/19 21:59	

LABORATORY CONTROL SAMPLE: 3398018

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	21.6	108	75-125	
Ethylbenzene	ug/L	20	19.9	100	75-125	
Toluene	ug/L	20	19.3	97	75-125	
Xylene (Total)	ug/L	60	59.6	99	75-125	
1,2-Dichloroethane-d4 (S)	%			90	75-125	
4-Bromofluorobenzene (S)	%			99	75-125	
Toluene-d8 (S)	%			88	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3399151 3399152

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		10489976001 Result	Spike Conc.	Spike Conc.	Result						
Benzene	ug/L	ND	100	100	109	97.8	109	98	30-150	11	30
Ethylbenzene	ug/L	ND	100	100	103	91.0	103	91	30-150	13	30
Toluene	ug/L	ND	100	100	100	87.6	100	88	30-150	13	30
Xylene (Total)	ug/L	ND	300	300	307	271	102	90	30-150	12	30
1,2-Dichloroethane-d4 (S)	%							90	91	75-125	
4-Bromofluorobenzene (S)	%							98	98	75-125	
Toluene-d8 (S)	%							87	87	75-125	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 70496.17

Pace Project No.: 10489455

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

REPORT OF LABORATORY ANALYSIS

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METHOD CROSS REFERENCE TABLE

Project: 70496.17
Pace Project No.: 10489455

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 70496.17

Pace Project No.: 10489455

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10489455001	GW-082719-JRL-INF 1	NWTPH-Gx	629971		
10489455002	GW-082719-JRL-INF 2	NWTPH-Gx	629971		
10489455003	GW-082719-JRL-MID 1	NWTPH-Gx	629971		
10489455004	GW-082719-JRL-MID 2	NWTPH-Gx	629971		
10489455009	Trip Blank	NWTPH-Gx	629971		
10489455010	GW-082719-JRL-Total EFF 1-4	NWTPH-Gx	629971		
10489455001	GW-082719-JRL-INF 1	EPA 8260B	629717		
10489455002	GW-082719-JRL-INF 2	EPA 8260B	629717		
10489455003	GW-082719-JRL-MID 1	EPA 8260B	630062		
10489455004	GW-082719-JRL-MID 2	EPA 8260B	629717		
10489455009	Trip Blank	EPA 8260B	629717		
10489455010	GW-082719-JRL-Total EFF 1-4	EPA 8260B	629717		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed 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: ~~000000~~ 5 Day
 Requested Due Date/TAT: ~~000000~~

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
 Paces Quote Reference:
 Paces Project Manager: Jennifer Gross
 Paces Profile #:

Page: 1 Of 1

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	Preservatives										Analyses Test	Residual Chromium (Y/N)						
			START	END						H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	As (NWTPH-DX) with Silica Gel	TPH (NWTPH-GX)	BTEX (EPA 8260)			FOG 1664					
1	GW-082719 - JRL-INF 1	WT G	1245						X																		
2	GW-082719 - JRL-INF 2	WT G	1230						X																		
3	GW-082719 - JRL-MID 1	WT G	1215						X																		
4	GW-082719 - JRL-MID 2	WT G	1200						X																		
5	GW-082719 - JRL-Total EFF 1	WT G	9/11/19	1100					X																		
6	GW-082719 - JRL-Total EFF 2	WT G	1115						X																		
7	GW-082719 - JRL-Total EFF 3	WT G	1130						X																		
8	GW-082719 - JRL-Total EFF 4	WT G	1145						X																		
9	GW-Total EFF 5	WT G							X																		
10	GW-Total EFF 6	WT G							X																		
11	GW-Total EFF 7	WT G							X																		

W0#: 10489455

10489455

RELINQUISHED BY (AFFILIATION) *[Signature]* DATE *8/27/19* TIME *1300*

ACCEPTED BY (AFFILIATION) *PAE* DATE *8-29-19* TIME *0830*

TEMP in C *4.3*

Received on Ice (Y/N)	Cooler Sealed (Y/N)	Samples Intact (Y/N)
Y	N	Y

ADDITIONAL COMMENTS:
Pre samples
Trip Blank 5/8/29/19 009
GW-MONTHLY

SAMPLER NAME AND SIGNATURE:
JOE LEMANDANSKA
 PRINT Name of SAMPLER:
JOE LEMANDANSKA
 SIGNATURE of SAMPLER:
[Signature]
 DATE Signed: *8-27-19*

Sample Condition Upon Receipt **Client Name:** GHD **Project #:** **WO# : 10489455**

Courier: Fed Ex UPS USPS Client
 Pace Speedee Commercial See Exceptions

Tracking Number: 493437328306

PM: JMG **Due Date:** 09/04/19
CLIENT: GHD_WA

Custody Seal on Cooler/Box Present? Yes No **Seals Intact?** Yes No **Biological Tissue Frozen?** Yes No N/A

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

Thermometer: T1(0461) T2(1336) T3(0459)
 T4(0254) T5(0489) **Type of Ice:** Wet Blue None Dry Melted

Note: Each West Virginia Sample must have temp taken (no temp blanks)

Temp should be above freezing to 6°C	Cooler Temp Read w/temp blank: <u>4.4</u> °C	Average Corrected Temp (no temp blank only): <input type="checkbox"/> See Exceptions <input type="checkbox"/> 1 Container
Correction Factor: <u>-0.1</u>	Cooler Temp Corrected w/temp blank: <u>4.3</u> °C	

USDA Regulated Soil: N/A, water sample/Other: _____ **Date/Initials of Person Examining Contents:** RNC 8-29-19

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 and Filled Out? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Relinquished? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Sampler Name and/or Signature on COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Samples Arrived within Hold Time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	4.
Short Hold Time Analysis (<72 hr)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. <input type="checkbox"/> Fecal Coliform <input type="checkbox"/> HPC <input type="checkbox"/> Total Coliform/E coli <input type="checkbox"/> BOD/cBOD <input type="checkbox"/> Hex Chrome <input type="checkbox"/> Turbidity <input type="checkbox"/> Nitrate <input type="checkbox"/> Nitrite <input type="checkbox"/> Orthophos <input type="checkbox"/> Other
Rush Turn Around Time Requested? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7.
Correct Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
-Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Field Filtered Volume Received for Dissolved Tests? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10. Is sediment visible in the dissolved container? <input type="checkbox"/> Yes <input type="checkbox"/> No
Is sufficient information available to reconcile the samples to the COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11. If no, write ID/ Date/Time on Container Below: <input type="checkbox"/> See Exception
Matrix: <input checked="" type="checkbox"/> Water <input type="checkbox"/> Soil <input type="checkbox"/> Oil <input type="checkbox"/> Other	
All containers needing acid/base preservation have been checked? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12. Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> NaOH <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> Zinc Acetate
Exceptions: <u>VOA</u> Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Positive for Res. Chlorine? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> See Exception
	Res. Chlorine 0-6 Roll 0-6 Strip 0-14 Strip
Headspace in VOA Vials (greater than 6mm)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13. <input type="checkbox"/> See Exception
Trip Blank Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.
Trip Blank Custody Seals Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Pace Trip Blank Lot # (if purchased): <u>070119-304R</u>

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

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: _____ **Date:** 08/29/19

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

Labeled by: RNC Page 18 of 18

September 30, 2019

Jeff Gaarder
GHD
2055 Niagara Falls
Boulevard Suite #3
Niagara Falls, NY 14304

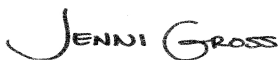
RE: Project: 70496
Pace Project No.: 10491893

Dear Jeff Gaarder:

Enclosed are the analytical results for sample(s) received by the laboratory on September 18, 2019. 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: Rosemarie Borths, GHD Services Inc.
Jeffrey Cloud, GHD Services Inc.
Eric Maise, GHD Services Inc.
Christina McClelland, GHD Services, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 70496
Pace Project No.: 10491893

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485
A2LA Certification #: 2926.01
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
CNMI Saipan Certification #: MP0003
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
Guam EPA Certification #: MN00064
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: 03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Massachusetts Certification #: M-MN064
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137

Minnesota Dept of Ag Certification #: via MN 027-053-137
Minnesota Petrofund Certification #: 1240
Mississippi Certification #: MN00064
Missouri Certification #: 10100
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 Primary 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
Vermont Certification #: VT-027053137
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 70496
Pace Project No.: 10491893

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10491893001	A-091619-JRL-INF	Air	09/16/19 12:10	09/18/19 09:35
10491893002	A-091619-JRL-EFF	Air	09/16/19 12:00	09/18/19 09:35
10491893003	A-091619-JRL-INF Cert	Air	09/16/19 12:10	09/18/19 09:35
10491893004	A-091619-JRL-EFF Cert	Air	09/16/19 12:00	09/18/19 09:35

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 70496
Pace Project No.: 10491893

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10491893001	A-091619-JRL-INF	TO-15	MLS	6	PASI-M
10491893002	A-091619-JRL-EFF	TO-15	MLS	6	PASI-M
10491893003	A-091619-JRL-INF Cert	TO-15	MJL	5	PASI-M
10491893004	A-091619-JRL-EFF Cert	TO-15	EMC	5	PASI-M

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10491893

Sample: A-091619-JRL-INF		Lab ID: 10491893001	Collected: 09/16/19 12:10	Received: 09/18/19 09:35	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Benzene	1120	ppbv	14.4	144		09/27/19 09:04	71-43-2	
Ethylbenzene	352	ppbv	28.8	144		09/27/19 09:04	100-41-4	
THC as Gas	97100	ppbv	3440	144		09/27/19 09:04		
Toluene	1310	ppbv	28.8	144		09/27/19 09:04	108-88-3	
m&p-Xylene	1490	ppbv	57.6	144		09/27/19 09:04	179601-23-1	
o-Xylene	403	ppbv	28.8	144		09/27/19 09:04	95-47-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10491893

Sample: A-091619-JRL-EFF		Lab ID: 10491893002		Collected: 09/16/19 12:00	Received: 09/18/19 09:35	Matrix: Air		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Benzene	3.2	ppbv	0.22	2.24		09/26/19 00:51	71-43-2	
Ethylbenzene	0.94	ppbv	0.45	2.24		09/26/19 00:51	100-41-4	
THC as Gas	670	ppbv	53.5	2.24		09/26/19 00:51		
Toluene	6.0	ppbv	0.45	2.24		09/26/19 00:51	108-88-3	
m&p-Xylene	5.7	ppbv	0.90	2.24		09/26/19 00:51	179601-23-1	
o-Xylene	1.6	ppbv	0.45	2.24		09/26/19 00:51	95-47-6	

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ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10491893

Sample: A-091619-JRL-INF Cert		Lab ID: 10491893003		Collected: 09/16/19 12:10		Received: 09/18/19 09:35		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		08/17/19 09:17	71-43-2		
Ethylbenzene	ND	ug/m3	0.88	1		08/17/19 09:17	100-41-4		
Toluene	ND	ug/m3	0.77	1		08/17/19 09:17	108-88-3		
m&p-Xylene	ND	ug/m3	1.8	1		08/17/19 09:17	179601-23-1		
o-Xylene	ND	ug/m3	0.88	1		08/17/19 09:17	95-47-6		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496
Pace Project No.: 10491893

Sample: A-091619-JRL-EFF Cert		Lab ID: 10491893004		Collected: 09/16/19 12:00		Received: 09/18/19 09:35		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		08/16/19 11:09	71-43-2		
Ethylbenzene	ND	ug/m3	0.88	1		08/16/19 11:09	100-41-4		
Toluene	ND	ug/m3	0.77	1		08/16/19 11:09	108-88-3		
m&p-Xylene	ND	ug/m3	1.8	1		08/16/19 11:09	179601-23-1		
o-Xylene	ND	ug/m3	0.88	1		08/16/19 11:09	95-47-6		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70496
Pace Project No.: 10491893

QC Batch: 634406 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR
Associated Lab Samples: 10491893002

METHOD BLANK: 3419510 Matrix: Air
Associated Lab Samples: 10491893002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ppbv	ND	0.050	09/25/19 09:58	
Ethylbenzene	ppbv	ND	0.10	09/25/19 09:58	
m&p-Xylene	ppbv	ND	0.20	09/25/19 09:58	
o-Xylene	ppbv	ND	0.10	09/25/19 09:58	
THC as Gas	ppbv	ND	12.0	09/25/19 09:58	
Toluene	ppbv	ND	0.10	09/25/19 09:58	

LABORATORY CONTROL SAMPLE: 3419511

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ppbv	10	10.6	106	70-130	
Ethylbenzene	ppbv	10	12.0	120	67-131	
m&p-Xylene	ppbv	20	24.3	121	70-132	
o-Xylene	ppbv	10	12.2	122	70-130	
THC as Gas	ppbv	1120	964	86	64-140	
Toluene	ppbv	10	11.6	116	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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QUALITY CONTROL DATA

Project: 70496
Pace Project No.: 10491893

QC Batch: 634730	Analysis Method: TO-15
QC Batch Method: TO-15	Analysis Description: TO15 MSV AIR
Associated Lab Samples: 10491893001	

METHOD BLANK: 3421018 Matrix: Air
Associated Lab Samples: 10491893001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ppbv	ND	0.050	09/27/19 08:31	
Ethylbenzene	ppbv	ND	0.10	09/27/19 08:31	
m&p-Xylene	ppbv	ND	0.20	09/27/19 08:31	
o-Xylene	ppbv	ND	0.10	09/27/19 08:31	
THC as Gas	ppbv	ND	12.0	09/27/19 08:31	
Toluene	ppbv	ND	0.10	09/27/19 08:31	

LABORATORY CONTROL SAMPLE: 3421019

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ppbv	10	10.9	109	70-130	
Ethylbenzene	ppbv	10	12.6	126	67-131	
m&p-Xylene	ppbv	20	25.2	126	70-132	
o-Xylene	ppbv	10	12.4	124	70-130	
THC as Gas	ppbv	1120	1310	116	64-140	
Toluene	ppbv	10	11.7	117	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.: 10491893

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 70496
Pace Project No.: 10491893

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10491893001	A-091619-JRL-INF	TO-15	634730		
10491893002	A-091619-JRL-EFF	TO-15	634406		
10491893003	A-091619-JRL-INF Cert	TO-15	634758		
10491893004	A-091619-JRL-EFF Cert	TO-15	634758		

REPORT OF LABORATORY ANALYSIS

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WO#: 10491893



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
 State/Location:
 Regulatory Agency:
 Manager: Jennifer Gross
 Pace Profile:

ITEM#	MATRIX	CODE	SAMPLE TYPE (G-RAB C-COMP)	COLLECTED		DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analytes Test	Requested Analysis Filtered (Y/N)	TEMP in C	Received on Ice (Y/N)	Custody Sealed (Y/N)	Cooler (Y/N)	Samples Intact (Y/N)	
				START	END													
1	Drinking Water	DW	OT G	12:10					1	H2SO4	NMTPH-Gx (TPH) BTEX (G-15)							
2	Waste Water	WW	OT G	12:00					1	HCl NaOH MnSO3 Methanol Other								
3	Product	P																
4	Soil Solid	SL																
5	Slurry	SL																
6	Other	OT																
7	Tissue	TS																
8																		
9																		
10																		
11																		
12																		

ADDITIONAL COMMENTS:

9-16-19 12:30
 9-16-19 12:00

RELINQUISHED BY / AFFILIATION: [Signature]

ACCEPTED BY / AFFILIATION: [Signature]

DATE: 09-16-19

TIME: 12:30

DATE: 09-16-19

TIME: 12:00

SAMPLER NAME AND SIGNATURE: [Signature]

PRINT Name of SAMPLER: JOR

SIGNATURE of SAMPLER: [Signature]

DATE Signed: 09-16-19

DATE Signed: 09-16-19

GW-MONTHLY

Air Sample Condition Upon Receipt

Client Name: GHD

Project #:

WO#: 10491893

Courier: [X] Fed Ex [] UPS [] USPS [] Client [] Pace [] Speedee [] Commercial See Exception []

PM: JMG Due Date: 10/02/19 CLIENT: GHD_WA

Tracking Number: 1083 0279 7216

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

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

Temp. (TO17 and TO13 samples only) (°C): X Corrected Temp (°C): X Thermometer Used: [] G87A9170600254 [] G87A9155100842

Temp should be above freezing to 6°C Correction Factor: Date & Initials of Person Examining Contents: 9/18/19 JMG

Type of Ice Received [] Blue [] Wet [X] None

Comments:

Table with 13 rows of inspection questions and checkboxes. Questions include Chain of Custody Present, Samples Arrived within Hold Time, Short Hold Time Analysis, etc.

Samples Received: TWO STAND ALONE GAUGES Pressure Gauge # [] 10AIR34 [X] 10AIR35

Table with 10 columns: Sample Number, Can ID, Flow Controller, Initial Pressure, Final Pressure. Contains data for INF and EFF samples.

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? [] Yes [] No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager review: Jenni Gross Date: 09/18/19

Note: Whenever there is a discrepancy affecting 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 Services Inc
 Phone: 734-453-5123

Lab Project Number: 10491893
 Project Name: 70496

Lab Sample No: 10491893001 ProjSampleNum: 10491893001 Date Collected: 09/16/19 12:10
 Client Sample ID: A-091619-JRL-INF Matrix: Air Date Received: 09/18/19 9:35

Parameters	Report Limit ppbv	Results ppbv	Report Limit ug/m3	Results ug/m3	DF	Analyzed	CAS No.
Air							
TO-15							
Benzene	14.4	1120	46.8	3640	144	09/27/19 9:04 MLS	71-43-2
Ethylbenzene	28.8	352	127	1550	144	09/27/19 9:04 MLS	100-41-4
m&p-Xylene	57.6	1490	254	6580	144	09/27/19 9:04 MLS	179601-23-1
o-Xylene	28.8	403	127	1780	144	09/27/19 9:04 MLS	95-47-6
THC as Gas	3440	97100	14900	421000	144	09/27/19 9:04 MLS	
Toluene	28.8	1310	110	5020	144	09/27/19 9:04 MLS	108-88-3

Lab Sample No: 10491893002 ProjSampleNum: 10491893002 Date Collected: 09/16/19 12:00
 Client Sample ID: A-091619-JRL-EFF Matrix: Air Date Received: 09/18/19 9:35

Parameters	Report Limit ppbv	Results ppbv	Report Limit ug/m3	Results ug/m3	DF	Analyzed	CAS No.
Air							
TO-15							
Benzene	0.22	3.2	0.71	10.4	2.24	09/26/19 0:51 MLS	71-43-2
Ethylbenzene	0.45	0.94	2	4.1	2.24	09/26/19 0:51 MLS	100-41-4
m&p-Xylene	0.9	5.7	4	25.2	2.24	09/26/19 0:51 MLS	179601-23-1
o-Xylene	0.45	1.6	2	7.1	2.24	09/26/19 0:51 MLS	95-47-6
THC as Gas	53.5	670	232	2910	2.24	09/26/19 0:51 MLS	
Toluene	0.45	6.0	1.7	23	2.24	09/26/19 0:51 MLS	108-88-3

SUPPLEMENTAL REPORT

Units Conversion Request

October 01, 2019

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

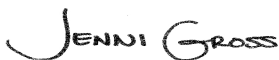
RE: Project: 70496.17
Pace Project No.: 10491640

Dear Christina McClelland:

Enclosed are the analytical results for sample(s) received by the laboratory on September 17, 2019. 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: Rosemarie Borths, GHD Services Inc.
Jeffrey Cloud, GHD Services Inc.
Joe Lewandowski, GHD
Eric Maise, GHD Services Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 70496.17

Pace Project No.: 10491640

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485

A2LA Certification #: 2926.01

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

CNMI Saipan Certification #: MP0003

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

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

Florida Certification #: E87605

Georgia Certification #: 959

Guam EPA Certification #: MN00064

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: 03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Massachusetts Certification #: M-MN064

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

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

Minnesota Petrofund Certification #: 1240

Mississippi Certification #: MN00064

Missouri Certification #: 10100

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 Primary 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

Vermont Certification #: VT-027053137

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 70496.17

Pace Project No.: 10491640

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10491640001	GW-091619-JRL-INF 1	Water	09/16/19 11:45	09/17/19 08:40
10491640002	GW-091619-JRL-INF 2	Water	09/16/19 11:30	09/17/19 08:40
10491640003	GW-091619-JRL-MID 1	Water	09/16/19 11:15	09/17/19 08:40
10491640004	GW-091619-JRL-MID 2	Water	09/16/19 11:00	09/17/19 08:40
10491640005	GW-091619-JRL-Total EFF	Water	09/16/19 10:00	09/17/19 08:40
10491640006	GW-091619-JRL-Total EFF 1	Water	09/16/19 10:00	09/17/19 08:40
10491640007	GW-091619-JRL-Total EFF 2	Water	09/16/19 10:15	09/17/19 08:40
10491640008	GW-091619-JRL-Total EFF 3	Water	09/16/19 10:30	09/17/19 08:40
10491640009	GW-091619-JRL-Total EFF 4	Water	09/16/19 10:45	09/17/19 08:40
10491640010	GW-091619-JRL-Total EFF 5	Water	09/16/19 10:00	09/17/19 08:40
10491640011	GW-091619-JRL-Total EFF 6	Water	09/16/19 10:15	09/17/19 08:40
10491640012	GW-091619-JRL-Total EFF 7	Water	09/16/19 10:30	09/17/19 08:40
10491640013	Trip Blank	Water		09/17/19 08:40
10491640014	GW-091619-JRL-Total EFF 1-4	Water	09/16/19 10:45	09/17/19 08:40
10491640015	GW-091619-JRL-Total EFF 5-7	Water	09/16/19 10:30	09/17/19 08:40

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 70496.17
Pace Project No.: 10491640

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10491640001	GW-091619-JRL-INF 1	NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10491640002	GW-091619-JRL-INF 2	NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	AEZ	7	PASI-M
10491640003	GW-091619-JRL-MID 1	NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10491640004	GW-091619-JRL-MID 2	NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10491640005	GW-091619-JRL-Total EFF	NWTPH-Dx	JVM	4	PASI-M
10491640013	Trip Blank	NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	ML4	7	PASI-M
10491640014	GW-091619-JRL-Total EFF 1-4	NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10491640015	GW-091619-JRL-Total EFF 5-7	EPA 1664B OG	JER	1	PASI-M

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10491640

Sample: GW-091619-JRL-INF 1	Lab ID: 10491640001	Collected: 09/16/19 11:45	Received: 09/17/19 08:40	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	5550	ug/L	408	1	09/17/19 16:40	09/20/19 04:16	68334-30-5	
Motor Oil Range SG	ND	ug/L	408	1	09/17/19 16:40	09/20/19 04:16	64742-65-0	
Surrogates								
o-Terphenyl (S)	89	%.	50-150	1	09/17/19 16:40	09/20/19 04:16	84-15-1	
n-Triacontane (S)	82	%.	50-150	1	09/17/19 16:40	09/20/19 04:16	638-68-6	
NWTPH-Gx GCV								
Analytical Method: NWTPH-Gx								
TPH as Gas	104000	ug/L	10000	100		09/25/19 23:43		
Surrogates								
a,a,a-Trifluorotoluene (S)	77	%.	50-150	100		09/25/19 23:43	98-08-8	
8260B MSV UST								
Analytical Method: EPA 8260B								
Benzene	21000	ug/L	200	200		09/21/19 17:34	71-43-2	
Ethylbenzene	933	ug/L	200	200		09/21/19 17:34	100-41-4	
Toluene	16700	ug/L	200	200		09/21/19 17:34	108-88-3	
Xylene (Total)	9930	ug/L	600	200		09/21/19 17:34	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%.	75-125	200		09/21/19 17:34	17060-07-0	
Toluene-d8 (S)	98	%.	75-125	200		09/21/19 17:34	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125	200		09/21/19 17:34	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70496.17
Pace Project No.: 10491640

Sample: GW-091619-JRL-INF 2		Lab ID: 10491640002	Collected: 09/16/19 11:30	Received: 09/17/19 08:40	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	3890	ug/L	417	1	09/17/19 16:40	09/20/19 04:27	68334-30-5	
Motor Oil Range SG	ND	ug/L	417	1	09/17/19 16:40	09/20/19 04:27	64742-65-0	
Surrogates								
o-Terphenyl (S)	84	%.	50-150	1	09/17/19 16:40	09/20/19 04:27	84-15-1	
n-Triacontane (S)	85	%.	50-150	1	09/17/19 16:40	09/20/19 04:27	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	841	ug/L	100	1		09/21/19 07:54		G-
Surrogates								
a,a,a-Trifluorotoluene (S)	74	%.	50-150	1		09/21/19 07:54	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	201	ug/L	1.0	1		09/25/19 15:42	71-43-2	
Ethylbenzene	2.3	ug/L	1.0	1		09/25/19 15:42	100-41-4	
Toluene	20.8	ug/L	1.0	1		09/25/19 15:42	108-88-3	
Xylene (Total)	119	ug/L	3.0	1		09/25/19 15:42	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%.	75-125	1		09/25/19 15:42	17060-07-0	
Toluene-d8 (S)	98	%.	75-125	1		09/25/19 15:42	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	75-125	1		09/25/19 15:42	460-00-4	

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10491640

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: GW-091619-JRL-MID 1 Lab ID: 10491640003 Collected: 09/16/19 11:15 Received: 09/17/19 08:40 Matrix: Water								
NWTPH-Dx GCS Silica Gel LV Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C								
Diesel Fuel Range SG	862	ug/L	435	1	09/17/19 16:40	09/20/19 04:39	68334-30-5	
Motor Oil Range SG	ND	ug/L	435	1	09/17/19 16:40	09/20/19 04:39	64742-65-0	
Surrogates								
o-Terphenyl (S)	68	%	50-150	1	09/17/19 16:40	09/20/19 04:39	84-15-1	
n-Triacontane (S)	76	%	50-150	1	09/17/19 16:40	09/20/19 04:39	638-68-6	
NWTPH-Gx GCV Analytical Method: NWTPH-Gx								
TPH as Gas	ND	ug/L	100	1		09/21/19 08:11		
Surrogates								
a,a,a-Trifluorotoluene (S)	74	%	50-150	1		09/21/19 08:11	98-08-8	
8260B MSV UST Analytical Method: EPA 8260B								
Benzene	16.6	ug/L	1.0	1		09/21/19 12:42	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		09/21/19 12:42	100-41-4	
Toluene	2.7	ug/L	1.0	1		09/21/19 12:42	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		09/21/19 12:42	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	102	%	75-125	1		09/21/19 12:42	17060-07-0	
Toluene-d8 (S)	98	%	75-125	1		09/21/19 12:42	2037-26-5	
4-Bromofluorobenzene (S)	102	%	75-125	1		09/21/19 12:42	460-00-4	

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10491640

Sample: GW-091619-JRL-MID 2		Lab ID: 10491640004	Collected: 09/16/19 11:00	Received: 09/17/19 08:40	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	ug/L	417	1	09/17/19 16:40	09/20/19 04:50	68334-30-5	
Motor Oil Range SG	ND	ug/L	417	1	09/17/19 16:40	09/20/19 04:50	64742-65-0	
Surrogates								
o-Terphenyl (S)	75	%.	50-150	1	09/17/19 16:40	09/20/19 04:50	84-15-1	
n-Triacontane (S)	83	%.	50-150	1	09/17/19 16:40	09/20/19 04:50	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		09/21/19 08:28		
Surrogates								
a,a,a-Trifluorotoluene (S)	75	%.	50-150	1		09/21/19 08:28	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		09/21/19 12:25	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		09/21/19 12:25	100-41-4	
Toluene	ND	ug/L	1.0	1		09/21/19 12:25	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		09/21/19 12:25	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	102	%.	75-125	1		09/21/19 12:25	17060-07-0	
Toluene-d8 (S)	98	%.	75-125	1		09/21/19 12:25	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125	1		09/21/19 12:25	460-00-4	

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10491640

Sample: GW-091619-JRL-Total EFF Lab ID: 10491640005 Collected: 09/16/19 10:00 Received: 09/17/19 08:40 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	ug/L	400	1	09/17/19 16:40	09/20/19 05:02	68334-30-5	
Motor Oil Range SG	ND	ug/L	400	1	09/17/19 16:40	09/20/19 05:02	64742-65-0	
Surrogates								
o-Terphenyl (S)	81	%	50-150	1	09/17/19 16:40	09/20/19 05:02	84-15-1	
n-Triacontane (S)	85	%	50-150	1	09/17/19 16:40	09/20/19 05:02	638-68-6	

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10491640

Sample: Trip Blank		Lab ID: 10491640013		Collected:	Received: 09/17/19 08:40	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		09/21/19 05:38		
Surrogates								
a,a,a-Trifluorotoluene (S)	76	%.	50-150	1		09/21/19 05:38	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		09/21/19 12:43	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		09/21/19 12:43	100-41-4	
Toluene	ND	ug/L	1.0	1		09/21/19 12:43	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		09/21/19 12:43	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	94	%.	75-125	1		09/21/19 12:43	17060-07-0	
Toluene-d8 (S)	99	%.	75-125	1		09/21/19 12:43	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125	1		09/21/19 12:43	460-00-4	

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10491640

Sample: GW-091619-JRL-Total EFF 1-4 **Lab ID:** 10491640014 Collected: 09/16/19 10:45 Received: 09/17/19 08:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		09/21/19 08:45		
Surrogates								
a,a,a-Trifluorotoluene (S)	77	%.	50-150	1		09/21/19 08:45	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		09/21/19 12:58	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		09/21/19 12:58	100-41-4	
Toluene	ND	ug/L	1.0	1		09/21/19 12:58	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		09/21/19 12:58	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	102	%.	75-125	1		09/21/19 12:58	17060-07-0	
Toluene-d8 (S)	98	%.	75-125	1		09/21/19 12:58	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125	1		09/21/19 12:58	460-00-4	

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ANALYTICAL RESULTS

Project: 70496.17

Pace Project No.: 10491640

Sample: GW-091619-JRL-Total EFF 5-7 **Lab ID:** 10491640015 Collected: 09/16/19 10:30 Received: 09/17/19 08:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1664B HEM, Oil and Grease								
Analytical Method: EPA 1664B OG								
Oil and Grease	ND	ug/L	6330	1		09/20/19 07:27		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10491640

QC Batch: 633384 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Water
Associated Lab Samples: 10491640002, 10491640003, 10491640004, 10491640013, 10491640014

METHOD BLANK: 3414663 Matrix: Water
Associated Lab Samples: 10491640002, 10491640003, 10491640004, 10491640013, 10491640014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	09/21/19 03:22	
a,a,a-Trifluorotoluene (S)	%.	79	50-150	09/21/19 03:22	

METHOD BLANK: 3414664 Matrix: Water
Associated Lab Samples: 10491640002, 10491640003, 10491640004, 10491640013, 10491640014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	09/21/19 06:29	
a,a,a-Trifluorotoluene (S)	%.	74	50-150	09/21/19 06:29	

LABORATORY CONTROL SAMPLE & LCSD: 3414665 3414666

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	1090	112	109	75-125	3	20	
a,a,a-Trifluorotoluene (S)	%.				87	89	50-150			

SAMPLE DUPLICATE: 3414669

Parameter	Units	10491720001 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	<38.3	ND		30	
a,a,a-Trifluorotoluene (S)	%.	75	73			

SAMPLE DUPLICATE: 3415417

Parameter	Units	10491720007 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	987	1090	10	30	G-
a,a,a-Trifluorotoluene (S)	%.	74	77			

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10491640

QC Batch: 634292 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Water
Associated Lab Samples: 10491640001

METHOD BLANK: 3418935 Matrix: Water
Associated Lab Samples: 10491640001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	09/25/19 19:30	
a,a,a-Trifluorotoluene (S)	%.	70	50-150	09/25/19 19:30	

METHOD BLANK: 3418936 Matrix: Water
Associated Lab Samples: 10491640001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	09/25/19 22:18	
a,a,a-Trifluorotoluene (S)	%.	73	50-150	09/25/19 22:18	

LABORATORY CONTROL SAMPLE & LCSD: 3418937 3418938

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	952	896	95	90	75-125	6	20	
a,a,a-Trifluorotoluene (S)	%.				90	86	50-150			

SAMPLE DUPLICATE: 3418939

Parameter	Units	10491720003 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	5740	5050	13	30	G+
a,a,a-Trifluorotoluene (S)	%.	73	74			

SAMPLE DUPLICATE: 3418947

Parameter	Units	10491782003 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	ND	45.2J		30	
a,a,a-Trifluorotoluene (S)	%.	76	72			

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10491640

QC Batch: 633736 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV UST-WATER
Associated Lab Samples: 10491640013

METHOD BLANK: 3416595 Matrix: Water
Associated Lab Samples: 10491640013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	09/21/19 11:35	
Ethylbenzene	ug/L	ND	1.0	09/21/19 11:35	
Toluene	ug/L	ND	1.0	09/21/19 11:35	
Xylene (Total)	ug/L	ND	3.0	09/21/19 11:35	
1,2-Dichloroethane-d4 (S)	%	91	75-125	09/21/19 11:35	
4-Bromofluorobenzene (S)	%	100	75-125	09/21/19 11:35	
Toluene-d8 (S)	%	99	75-125	09/21/19 11:35	

LABORATORY CONTROL SAMPLE: 3416596

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	16.6	83	75-125	
Ethylbenzene	ug/L	20	18.3	91	75-125	
Toluene	ug/L	20	17.7	89	75-125	
Xylene (Total)	ug/L	60	53.2	89	75-125	
1,2-Dichloroethane-d4 (S)	%			94	75-125	
4-Bromofluorobenzene (S)	%			100	75-125	
Toluene-d8 (S)	%			100	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3416627 3416628

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		10491145001 Result	Spike Conc.	Spike Conc.	Result							
Benzene	ug/L	ND	20	20	17.3	17.1	86	86	30-150	1	30	
Ethylbenzene	ug/L	ND	20	20	18.6	19.0	93	95	30-150	2	30	
Toluene	ug/L	ND	20	20	18.2	18.2	91	91	30-150	0	30	
Xylene (Total)	ug/L	ND	60	60	54.7	55.8	91	93	30-150	2	30	
1,2-Dichloroethane-d4 (S)	%						91	95	75-125			
4-Bromofluorobenzene (S)	%						100	98	75-125			
Toluene-d8 (S)	%						100	101	75-125			

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10491640

QC Batch: 633740 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV UST-WATER
Associated Lab Samples: 10491640001, 10491640003, 10491640004, 10491640014

METHOD BLANK: 3416610 Matrix: Water
Associated Lab Samples: 10491640001, 10491640003, 10491640004, 10491640014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	09/21/19 11:51	
Ethylbenzene	ug/L	ND	1.0	09/21/19 11:51	
Toluene	ug/L	ND	1.0	09/21/19 11:51	
Xylene (Total)	ug/L	ND	3.0	09/21/19 11:51	
1,2-Dichloroethane-d4 (S)	%	101	75-125	09/21/19 11:51	
4-Bromofluorobenzene (S)	%	103	75-125	09/21/19 11:51	
Toluene-d8 (S)	%	99	75-125	09/21/19 11:51	

LABORATORY CONTROL SAMPLE: 3416611

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	17.7	88	75-125	
Ethylbenzene	ug/L	20	19.2	96	75-125	
Toluene	ug/L	20	19.5	97	75-125	
Xylene (Total)	ug/L	60	58.7	98	75-125	
1,2-Dichloroethane-d4 (S)	%			103	75-125	
4-Bromofluorobenzene (S)	%			100	75-125	
Toluene-d8 (S)	%			103	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3416633 3416634

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		10491640004 Result	Spike Conc.	Spike Conc.	Conc.							
Benzene	ug/L	ND	20	20	20	18.3	17.9	89	86	30-150	3	30
Ethylbenzene	ug/L	ND	20	20	20	19.4	19.0	97	95	30-150	2	30
Toluene	ug/L	ND	20	20	20	19.4	19.0	96	94	30-150	2	30
Xylene (Total)	ug/L	ND	60	60	60	58.0	56.7	97	95	30-150	2	30
1,2-Dichloroethane-d4 (S)	%							101	102	75-125		
4-Bromofluorobenzene (S)	%							102	101	75-125		
Toluene-d8 (S)	%							102	102	75-125		

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QUALITY CONTROL DATA

Project: 70496.17

Pace Project No.: 10491640

QC Batch: 634479

Analysis Method: EPA 8260B

QC Batch Method: EPA 8260B

Analysis Description: 8260B MSV UST-WATER

Associated Lab Samples: 10491640002

METHOD BLANK: 3419800

Matrix: Water

Associated Lab Samples: 10491640002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	09/25/19 13:10	
Ethylbenzene	ug/L	ND	1.0	09/25/19 13:10	
Toluene	ug/L	ND	1.0	09/25/19 13:10	
Xylene (Total)	ug/L	ND	3.0	09/25/19 13:10	
1,2-Dichloroethane-d4 (S)	%	104	75-125	09/25/19 13:10	
4-Bromofluorobenzene (S)	%	101	75-125	09/25/19 13:10	
Toluene-d8 (S)	%	95	75-125	09/25/19 13:10	

LABORATORY CONTROL SAMPLE: 3419801

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	17.6	88	75-125	
Ethylbenzene	ug/L	20	18.9	94	75-125	
Toluene	ug/L	20	19.2	96	75-125	
Xylene (Total)	ug/L	60	58.5	97	75-125	
1,2-Dichloroethane-d4 (S)	%			102	75-125	
4-Bromofluorobenzene (S)	%			98	75-125	
Toluene-d8 (S)	%			101	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3420101 3420102

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		10492839001 Result	Spike Conc.	Spike Conc.	Result						
Benzene	ug/L	ND	20	20	16.5	16.6	83	83	30-150	1	30
Ethylbenzene	ug/L	ND	20	20	17.5	18.0	87	90	30-150	3	30
Toluene	ug/L	ND	20	20	18.2	18.3	91	91	30-150	0	30
Xylene (Total)	ug/L	ND	60	60	53.8	55.0	90	92	30-150	2	30
1,2-Dichloroethane-d4 (S)	%						102	104	75-125		
4-Bromofluorobenzene (S)	%						101	101	75-125		
Toluene-d8 (S)	%						100	100	75-125		

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10491640

QC Batch: 632691 Analysis Method: NWTPH-Dx
QC Batch Method: EPA Mod. 3510C Analysis Description: NWTPH-Dx GCS LV SG
Associated Lab Samples: 10491640001, 10491640002, 10491640003, 10491640004, 10491640005

METHOD BLANK: 3411132 Matrix: Water
Associated Lab Samples: 10491640001, 10491640002, 10491640003, 10491640004, 10491640005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Fuel Range SG	ug/L	ND	400	09/20/19 02:45	
Motor Oil Range SG	ug/L	ND	400	09/20/19 02:45	
n-Triacontane (S)	%.	93	50-150	09/20/19 02:45	
o-Terphenyl (S)	%.	95	50-150	09/20/19 02:45	

LABORATORY CONTROL SAMPLE & LCSD: 3411133

Parameter	Units	3411134								
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Fuel Range SG	ug/L	2000	1900	1650	95	83	50-150	14	20	
Motor Oil Range SG	ug/L	2000	1960	1740	98	87	50-150	12	20	
n-Triacontane (S)	%.				92	82	50-150			
o-Terphenyl (S)	%.				97	85	50-150			

SAMPLE DUPLICATE: 3411135

Parameter	Units	10491419002				
		Result	Dup Result	RPD	Max RPD	Qualifiers
Diesel Fuel Range SG	ug/L	0.35J mg/L	387J		30	
Motor Oil Range SG	ug/L	0.095J mg/L	81.7J		30	
n-Triacontane (S)	%.	83	85			
o-Terphenyl (S)	%.	79	82			

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70496.17
Pace Project No.: 10491640

QC Batch: 633392 Analysis Method: EPA 1664B OG
QC Batch Method: EPA 1664B OG Analysis Description: 1664B HEM, Oil and Grease
Associated Lab Samples: 10491640015

METHOD BLANK: 3414674 Matrix: Water
Associated Lab Samples: 10491640015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	ug/L	ND	5000	09/20/19 07:27	

LABORATORY CONTROL SAMPLE: 3414675

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	ug/L	40000	31500	79	78-114	

MATRIX SPIKE SAMPLE: 3414676

Parameter	Units	10491965001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	ug/L	ND	42100	33100	76	78-114	M1

SAMPLE DUPLICATE: 3414677

Parameter	Units	10491699001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	ug/L	ND	2320J		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

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QUALIFIERS

Project: 70496.17
Pace Project No.: 10491640

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

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.

REPORT OF LABORATORY ANALYSIS

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METHOD CROSS REFERENCE TABLE

Project: 70496.17
Pace Project No.: 10491640

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 70496.17

Pace Project No.: 10491640

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10491640001	GW-091619-JRL-INF 1	EPA Mod. 3510C	632691	NWTPH-Dx	633071
10491640002	GW-091619-JRL-INF 2	EPA Mod. 3510C	632691	NWTPH-Dx	633071
10491640003	GW-091619-JRL-MID 1	EPA Mod. 3510C	632691	NWTPH-Dx	633071
10491640004	GW-091619-JRL-MID 2	EPA Mod. 3510C	632691	NWTPH-Dx	633071
10491640005	GW-091619-JRL-Total EFF	EPA Mod. 3510C	632691	NWTPH-Dx	633071
10491640001	GW-091619-JRL-INF 1	NWTPH-Gx	634292		
10491640002	GW-091619-JRL-INF 2	NWTPH-Gx	633384		
10491640003	GW-091619-JRL-MID 1	NWTPH-Gx	633384		
10491640004	GW-091619-JRL-MID 2	NWTPH-Gx	633384		
10491640013	Trip Blank	NWTPH-Gx	633384		
10491640014	GW-091619-JRL-Total EFF 1-4	NWTPH-Gx	633384		
10491640001	GW-091619-JRL-INF 1	EPA 8260B	633740		
10491640002	GW-091619-JRL-INF 2	EPA 8260B	634479		
10491640003	GW-091619-JRL-MID 1	EPA 8260B	633740		
10491640004	GW-091619-JRL-MID 2	EPA 8260B	633740		
10491640013	Trip Blank	EPA 8260B	633736		
10491640014	GW-091619-JRL-Total EFF 1-4	EPA 8260B	633740		
10491640015	GW-091619-JRL-Total EFF 5-7	EPA 1664B OG	633392		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document
 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed 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: 2065 Niagara Falls Boulevard Suite #3
 Niagara Falls, New York, 14304
 Regulatory/Agency: []
 States / Location: []
 Face Project Manager: Jennifer Gripp
 Face Profile #: []

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

Request for Analysis Filtered (Y/N)

WO#: 10491640

ITEM#	MATRIX CODE (see valid codes to left)	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	SAMPLE TEMP AT COLLECTION	ANALYSES TEST											Residual Chlorine (Y)		
		START DATE TIME	END DATE TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	TPHd (NWTPH-Dx) with Silica Gel	TPHg (NWTPH-Gx)	DTCK (EPA 620)		FOG 1684	
1	GW-091019 - JML - INF 1	9-16-19 1145		WT G								X							001
2	GW-091019 - JML - INF 2	1120		WT G								X							002
3	GW-091019 - JML - MID 1	1115		WT G								X							003
4	GW-091019 - JML - MID 2	1100		WT G								X							004
5	GW-091019 - JML - Total EFF	1200		WT G								X							005
6	GW-091019 - JML - Total EFF 1	1000		WT G								X							006
7	GW-091019 - JML - Total EFF 2	1015		WT G								X							007
8	GW-091019 - JML - Total EFF 3	1030		WT G								X							008
9	GW-091019 - JML - Total EFF 4	1045		WT G								X							009
10	GW-091019 - JML - Total EFF 5	1000		WT G								X							010
11	GW-091019 - JML - Total EFF 6	1015		WT G								X							011
11	GW-091019 - JML - Total EFF 7	1030		WT G								X							012

REQUISITION / AFFILIATION
 DATE: 9-16-19 TIME: 12:51
 ACCEPTED BY / AFFILIATION: [Signature] DATE: 9-16-19 TIME: 01:28

SAMPLE CONDITIONS
 Received on Ice (Y/N) []
 Custody Sealed (Y/N) []
 Samples Intact (Y/N) []

ADDITIONAL COMMENTS
 Trip Blank (1) SS 917114
 3 units

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: JDR BRZAWADOSKI
 SIGNATURE OF SAMPLER: [Signature]

DATE Submitted: 09-16-19

T3

Sample Condition Upon Receipt

Client Name:

GHD Services, Inc.

Project #:

WO#: 10491640

Courier:

Fed Ex UPS USPS Client
 Pace Speedee Commercial See Exceptions

PM: JMG

Due Date: 09/30/19

CLIENT: GHD_WA

Tracking Number: 4934-3732-8008

Custody Seal on Cooler/Box Present?

Yes No

Seals Intact?

Yes No

Biological Tissue Frozen?

Yes No N/A

Packing Material:

Bubble Wrap Bubble Bags None Other: PB

Temp Blank?

Yes No

Thermometer:

T1(0461) T2(1336) T3(0459)
 T4(0254) T5(0489)

Type of Ice:

Wet Blue None Dry Melted

Note: Each West Virginia Sample must have temp taken (no temp blanks)

Temp should be above freezing to 6°C

Cooler Temp Read w/temp blank: 1.2 °C

Average Corrected Temp

(no temp blank only): See Exceptions

Correction Factor: +0.1

Cooler Temp Corrected w/temp blank: 1.3 °C

1 Container

USDA Regulated Soil: N/A, water sample/Other: _____

Date/Initials of Person Examining Contents: ERZ 9/17/19

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 and Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	4.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. <input type="checkbox"/> Fecal Coliform <input type="checkbox"/> HPC <input type="checkbox"/> Total Coliform/E coli <input type="checkbox"/> BOD/cBOD <input type="checkbox"/> Hex Chrome <input type="checkbox"/> Turbidity <input type="checkbox"/> Nitrate <input type="checkbox"/> Nitrite <input type="checkbox"/> Orthophos <input type="checkbox"/> Other
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Field Filtered Volume Received for Dissolved Tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10. Is sediment visible in the dissolved container? <input type="checkbox"/> Yes <input type="checkbox"/> No
Is sufficient information available to reconcile the samples to the COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11. If no, write ID/ Date/Time on Container Below: <input type="checkbox"/> See Exception
Matrix: <input checked="" type="checkbox"/> Water <input type="checkbox"/> Soil <input type="checkbox"/> Oil <input type="checkbox"/> Other		
All containers needing acid/base preservation have been checked?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12. Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , <2pH, NaOH >9 Sulfide, NaOH >12 Cyanide)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> NaOH <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> Zinc Acetate
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/BO15 (water) and Dioxin/PFAS	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Positive for Res. <input type="checkbox"/> Yes <input type="checkbox"/> No pH Paper Lot# <input type="checkbox"/> See Exception
		Res. Chlorine 0-6 Roll 0-6 Strip 0-14 Strip
Headspace in VOA Vials (greater than 6mm)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13. <input type="checkbox"/> See Exception
Trip Blank Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14. <input type="checkbox"/>
Trip Blank Custody Seals Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Pace Trip Blank Lot # (if purchased):

CLIENT NOTIFICATION/RESOLUTION

Person Contacted:

Date/Time:

Field Data Required? Yes No

Comments/Resolution:

Project Manager Review:

JENNI GROSS

Date:

09/17/19

Note: Pace never transfers its documents to a third party. If you are a client of Pace, you are not a client of the State of Minnesota. Pace is not a certified laboratory. Pace is not a certified laboratory. Pace is not a certified laboratory.

is not as a certified laboratory. Pace is not a certified laboratory. Pace is not a certified laboratory. Pace is not a certified laboratory. Pace is not a certified laboratory.

LABORATORY

33 (3)



Document Name:
Headspace Exception

Document Revised: 17Dec2018
Page 1 of 1

Document No.:
F-MN-C-276-Rev.01

Issuing Authority:
Pace Minnesota Quality Office

Sample ID	Headspace greater than 6mm	Headspace less than 6mm	No Headspace	Total Vials	Sediment Present?
GW-091609-JR1-INF1	0	0	6	6	N
-INF2	0	0	6	6	N
-MID1	0	0	6	6	N
-MID2	0	0	6	6	N
-EFF1	0	0	2	2	N
-EFF2	0	0	2	2	N
-EFF3	0	0	2	2	N
▽ -EFF4	0	0	2	2	N
TRIP BLANK	0	0	4	4	N

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 3** Sample Site No.: **A81491** Permit/DA No.: **7910-01**

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

Month	Sample Date	Sample Type	benzene	ethylbenzene	toluene	xylenes	Nonpolar fats, oils & grease (FOG) (Record average only)	pH	Total Monthly Flow (gallons)
July	07/23/19	G	<0.001	<0.001	<0.001	<0.003	<6.25	7.0	1,384
August	08/16/19	G	<0.001	<0.001	<0.001	<0.003	<6.49	6.9	5,665
September	09/16/19	G	<0.001	<0.001	<0.001	<0.003	<6.33	7.7	1,877
Total volume discharged for July									
Total volume discharged for August									
Total volume discharged for September									

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

Signature of Principal Executive or Authorized Agent: *Rick Schum*
Date: *10/7/2019*

Maximum daily flow from this quarter: **863** gallons. Date on which maximum daily flow occurred: **07/15/2019**

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

Appendix C

Groundwater Monitoring Field Data Sheets



DAILY FIELD REPORT

Project Number: 070496.A	Date: 9/23/19	Site Address: 2423 Lind
Project Name: Plate Terminal - Part	Field Technician: B Paul	GHD PM: Chris M. Muckler
Weather: cloudy / slight rain	HSE Meeting Conducted: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Equipment ID (GHD or rented): Intake probe Peri pump Turb meter Truck 142 hydro part wa	Calibrated Completed: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA Documented below or "D" form attached: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA Calibration certificate for rental attached: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA Number of drums on site and location: N/A	

Time	Activity/Comments
05:50	load truck depart for site
0700	Arrive work, don PPE; talk with meet
07:30	begin gauging wells; JL & NT begin gauging DPE wells
1130	complete gauging, break for lunch
1200	calibrate / bump check multi-param turb meter
	Turb meter 2100 Hach
	100 NTU = 103 NTU
	20 NTU = 21 NTU
	Hydro lab pH 7.0 = 6.99
	4.0 = 4.02
	10.0 = 9.00
1315	collect EW-070496.17-092319-BP-MW-1
1400	collect EW-070496-092319-BP-MW-2
1445	put samples on ice, de mob equipment from truck plug equipment
1500	depart site
15:45	EOD



DAILY FIELD REPORT

Project Number: 070496.17	Date: 9/24/19	Site Address: 2425 Lind Ave
Project Name: West Park Town	Field Technician:	GHD PM: Christian McElwain
Weather: Cloudy / Var	HSE Meeting Conducted: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Equipment ID (GHD or rented): Turb 142 Turb Hydro pump wa	peri pump	Calibrated Completed: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA Documented below or "D" form attached: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA Calibration certificate for rental attached: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA Number of drums on site and location: N/A

Time	Activity/Comments
0615	depart for site
07:05	Arrive onsite H&S
	cal. hand Hydro' pump 7.00 = 7.02
	pump check 4.00 = 4.06
	10.00 = 9.15
	Turb 10 NTU = 10 NTU
	50 NTU = 53 NTU
	800 NTU = 790 NTU
0840	
0815	begin gun setting on LAI 13
0840	collet GW-070496.17-092419-BP-LAI 13
0850	
0930	collet GW-070496.17-092419-BP-LAI 14
10	
1030	collet GW-070496.17-092419-BP-MW-3
1110	collet GW-070496.17-092419-BP-MW-4
1245	collet GW-070496.17-092419-BP-MW-6
1330	collet GW-070496.17-092419-BP-MW-13
1445	collet GW-070496.17-092419-BP-MW-16 FD-1
15:20	depart site
1620	EOD



DAILY FIELD REPORT

Project Number: 070496.17	Date: 9/25/19	Site Address: 2423 Lutz
Project Name: Porter Terminal	Field Technician: B Paul	GHD PM: Christine McCallum
Weather: Cloudy/Sun	HSE Meeting Conducted: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Equipment ID (GHD or rented): Turb 8840 Pen pump Turb met hydro pump WQ	Trud 142	Calibrated Completed: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA Documented below or "D" form attached: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA Calibration certificate for rental attached: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA Number of drums on site and location: N/A

Time	Activity/Comments
06:15	depart for site ; stop for ice bucket
0745	Arrive @ Terminal begin calibrati Turb / hydro pump
	Turb ' 800 NTU = 805
	100 NTU = 100 NTU
	20 NTU = 20
	0 NTU = 0 NTU
	Hydro pump pH 10 = 9.25
	pH 7 = 6.99
	pH 4 = 4.87 trid 2x stds
0930	collet GW-070496.17-092519-BP-MW-15, Mj/MSD
1030	collet GW-070496.17-092019-BP-DIR
1110	collet GW-070496.17-092019-BP-MW-10
1130-1200	break for lunch note to MW-12
1230	collet GW-070496.17-092519-BP-MW-12
	note to MW-11
1310	collet GW-070496.17-092519-BP-MW-11
1330	dump pump water, prep COC
1430	Paul pickup sample, finish pump work
1500	depart site
1545	COI



P66 Job Hazard Analysis (JHA) Review Documentation Form

Date: 9/25/19 Time: 07:40 Presenter: Brian Paul


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

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

JHA Name:	<u>bum</u>
Additional Specific Hazards and Hazard Mitigation	
JHA Name:	
Additional Specific Hazards and Hazard Mitigation:	

Site Personnel Participating:

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

Print Name	Signature	Company
<u>Brian Paul</u>		<u>GHD</u>



Tailgate Safety Meeting Form

Small Group Format - Multiple Days

Date:	9/25/19	Time:	0745	Project No.:	
Presenter:	<i>[Signature]</i>	Project Name:			

Safety topics/items discussed:

<i>traffic PPE</i>	<i>heat exposure</i>	<i>slips/trips</i>

Emergency preparedness:

First Aid Provider(s):	911	Muster Point:	offsite
		Method of Communication:	
AED Responder:	911	Fire Extinguisher Location:	truck
First Aid Kit Location:	Truck	Eye Wash Location:	truck

Print Name	Signature	Company
<i>Brian Paulz</i>	<i>[Signature]</i>	GHD

Date:		Time:		Project No.:	
Presenter:		Project Name:			

Safety topics/items discussed:

Emergency preparedness:

First Aid Provider(s):		Muster Point:	
		Emergency Communication:	
AED Responder:		Fire Extinguisher Location:	
First Aid Kit Location:		Eye Wash Location:	

Print Name	Signature	Company

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

Project Name: Plab Renter Terminal
 Job No.: _____
 Client: _____

Location: Plab Renter
 Date: 9/23/19
 Engineer/Geologist: _____

Observation Well	Top of Casing Elevation A		Depth to Water B		Water Level Elevation A-B	
	feet	metres	feet	metres	feet	metres
MW-1			8.85			
MW-2			8.03			
MW-9 DW-3			7.60			
MW-14			7.21			
LAI-13			7.05			
MW-3			8.88			
MW-4			6.59			
MW-5			8.81			
MW-6			7.94			
MW-10			9.09			
D-12			8.01			oder
MW-15			8.03			
MW-12			7.38			
MW-11			4.76			
MW-17			1.55			
MW-13			8.69			
MW 16			8.15			



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

Project Name:	<u>P66 Renton Terminal</u>	Location:	<u>2423 Lind Ave SW, Renton, WA</u>
Job No.:	<u>070496.17-5MN00</u>	Date:	<u> </u>
Client:	<u>Phillips 66/BP</u>	Engineer/Geologist:	<u> </u>

Observation Well	Depth to SPH	Depth to Groundwater	Depth to Well Bottom
	feet	feet	feet
DPE-1	—	10.96	—
DPE-2	—	10.73	—
DPE-3	—	10.63	—
DPE-4	—	10.53	—
DPE-5	—	12.03	—
DPE-6	12.10	12.11	—
DPE-7	—	13.01	—
DPE-8	—	11.51	—
DPE-9	—	12.91	—
DPE-10	—	13.00	—
DPE-11	—	12.46	—
DPE-12	—	10.23	—
DPE-13	—	10.68	—
DPE-14	—	8.93	—
DPE-15	8.15	8.21	—
DPE-16	—	6.29	—
DPE-17	—	8.27	—
<i>Full of Rain</i> <i>Run off</i> DPE-18	—	7.85	—
DPE-19	—	8.40	—
DPE-20	—	8.43	PUMP
DPE-21	—	5.07	—
DPE-22	—	8.24	PUMP
DPE-23	—	8.88	PUMP
DPE-24	—	8.50	PUMP
DPE-25	8.60	8.67	—

Water Level Record

(Form SP-11)

	SPT	DTW	
DPE-26	8.07	9.92 9.92	————
DPE-27	8.21	8.47	————
DPE-28		8.04	————
DPE-29		8.10	————
DPE-30	8.00 +	8.00 10.20	————

- DPE - 31
- DPE - 35
- DPE - 40
- EX - 1
- DPE - 36
- DPE - 39
- DPE - 41
- DPE - 49
- DPE - 32
- DPE - 35
- DPE - 40
- DPE - 39
- EX - 1
- DPE - 41
- DPE - 49

	SPT	DTW
	8.60	8.61
	8.00	11.85
	8.00	9.65
	8.48	9.13
	8.30	9.25
	8.32	10.34
	8.68	10.20

Semi-Annual Sample
(1st and 3rd Q)

MW-1
MW-2
MW-3
MW-4
MW-6
MW-10
MW-11
MW-12
MW-13
MW-15
MW-16
D-1R
LAI-13
LAI-14

+1 dup
+1 MS/MSD

Quarterly Gauge
(2nd and 4th Q Gauge only)

MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-8
MW-10
MW-11
MW-12
MW-13
MW-15
MW-16
B-4
B-6
D-1R

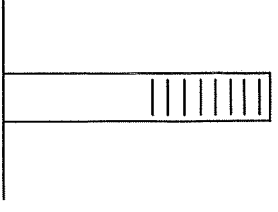
Gauge if DPE is off

(TBD)
DPE-25
DPE-26
DPE-27
DPE-31
DPE-35
DPE-36
DPE-39
DPE-40
DPE-41
DPE-49
DPE-54
EX-1

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

Project Name: R106 - Park Fernan
Ref. No.: _____

Date: 9/23/19
Personnel: BP



Monitoring Well Data:
Well No.: Mw-1
Vapour PID (ppm): _____
Measurement Point: PC
Constructed Well Depth (m/ft): _____
Measured Well Depth (m/ft): _____
Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft): _____
Depth to Pump Intake (m/ft)⁽¹⁾: _____
Well Diameter, D (cm/in): 2.11
Well Screen Volume, V_s (L)⁽²⁾: _____
Initial Depth to Water (m/ft): 8.85

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
1300		9.19		16.13	895.4	2	0.34	8.36	-70		clear
1303		9.24		16.18	896.9	2	0.34	7.58	-50		
1306		10.12		16.78	918.1	2	0.20	7.48	-47		clear
1309		10.29		16.34	896.2	1	0.18	7.42	-46		
1312		10.39		16.40	893.5	1	0.24	7.36	-45		clear

Notes: 1315 - colt gw-07049617-092319-BP-Mw-1

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi r^2 L$ in mL, where r (=D/2) and L are in cm. For Imperial units, $V_s = \pi r^2 L * (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= V_p/V_s.
- (5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

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

Project Data:
 Project Name: Polk - Bentis Tambo
 Ref. No.: _____

Date: 9/23/19
 Personnel: D. Pauley

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

Saturated Screen Length (m/ft): _____
 Depth to Pump Intake (m/ft)⁽¹⁾: _____
 Well Diameter, D (cm/in): _____
 Well Screen Volume, V_s (L)⁽²⁾: _____
 Initial Depth to Water (m/ft): 8.03

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Precision Required:					No. of Well Screen Volumes Purged ⁽⁴⁾	
					Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)		Volume Purged, V _p (L)
1350	2mL/min	8.03		16.19	495.5	76	1.99	7.09	-9		Clear, slight cloudy
1553	"	8.08		16.13	490.1	54	0.69	7.00	-11		"
1350	2mL/min	8.05		16.15	475.5	95	0.28	6.98	-14		"
1400	"	8.07		16.33	475.3	16	0.19	6.99	-18		Clear
1403	2mL/min	8.08		16.33	475.7	17	0.15	7.00	-19		"

Notes: 1460 collect GW - 070496.17 - 092319 - BFL - MW-2

- The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi(r^2)L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s = \pi(r^2)L * (2.54)^3$, where r and L are in inches
- The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
- Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= V_p/V_s.
- For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

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

Project Data: Project Name: P66 Rudi Terminal
 Ref. No.: 070496.17

Date: 9/21/19
 Personnel: B. Pales

Monitoring Well Data: Well No.: LAI 14
 Vapour PID (ppm):
 Measurement Point: PC
 Constructed Well Depth (m/ft):
 Measured Well Depth (m/ft):
 Depth of Sediment (m/ft): 090L mess pug
 Saturated Screen Length (m/ft):
 Depth to Pump Intake (m/ft)⁽¹⁾:
 Well Diameter, D (cm/in):
 Well Screen Volume, V_s (L)⁽²⁾:
 Initial Depth to Water (m/ft): 7.27

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm) ±0.005 or 0.01 ⁽⁵⁾	Turbidity NTU ±10 %	DO (mg/L) ±10 %	pH ±0.1 Units	ORP (mV) ±10 mV	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
	Precision Required:										
0907		7.50		16.55	533.4	7.2	2.63	8.54	-45		Clear w/ debris
0910		7.55		16.45	477.8	3.6	0.77	8.16	-22		
0913		7.69		16.54	451.8	2.4	0.97	7.85	-1		
0916		7.74		16.58	440.3	9	1.09	7.73	13		
0919				16.59	435.3	5	1.14	7.66	19		

Notes: 0930 collect EW-070496.17 - 092419 - DP - LAI 14

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi \cdot r^2 \cdot L$ in mL, where r (=D/2) and L are in cm.
 For Imperial units, $V_s = \pi \cdot (r)^2 \cdot L \cdot (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing). No. of Well Screen Volumes Purged = V_p/V_s .
- (5) For conductivity, the average value of three readings < 1 mS/cm ±0.005 mS/cm or where conductivity > 1 mS/cm ±0.01 mS/cm.

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

Project Data: Project Name: Plab Renti Term
Ref. No.: 070496.17

Date: 9/24/15
Personnel: B. Galt

Monitoring Well Data: Well No.: LAI 13

Vapour PID (ppm): _____
Measurement Point: 10C
Constructed Well Depth (m/ft): _____
Measured Well Depth (m/ft): _____
Depth of Sediment (m/ft): 0817 here pur
Saturated Screen Length (m/ft): _____
Depth to Pump Intake (m/ft)⁽¹⁾: _____
Well Diameter, D (cm/in): _____
Well Screen Volume, V_s (L)⁽²⁾: _____
Initial Depth to Water (m/ft): 7.05

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
0818	200 mL/min	6.99		18.01	454.1	324	2.32	8.92	22		Clear, Slightly Gray
0821	"	7.10		18.26	444.1	721	1.12	8.51	-14		
0824	"	7.19		18.02	444.3	811	0.51	8.80	0-42		Slightly Gray
0827	"	7.29		17.87	452.9	460	0.62	8.33	-8		
0830	"	7.40		17.96	495.7	493	0.90	7.96	19		Gray sediment
0833	"	"		17.95	510.9	770	1.00	7.80	30		Gray sediment

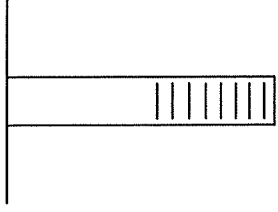
Notes: 0840 0.1m BW-070496.17-092419-BP-LAF13

- The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi(r^2)L$ in mL, where r ($r=D/2$) and L are in cm. For Imperial units, $V_s = \pi(r^2)L * (2.54)^3$, where r and L are in inches
- The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
- Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing). No. of Well Screen Volumes Purged= V_p/V_s .
- For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

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

Project Name: 166 TCM
 Ref. No.: 070496.17

Date: 9/24/19
 Personnel: P. Fandy



Monitoring Well Data:
 Well No.: MW-16
 Vapour PID (ppm): _____
 Measurement Point: TOC
 Constructed Well Depth (m/ft): _____
 Measured Well Depth (m/ft): _____
 Depth of Sediment (m/ft): 1351 begin purg

Saturated Screen Length (m/ft): _____
 Depth to Pump Intake (m/ft)⁽¹⁾: _____
 Well Diameter, D (cm/in): _____
 Well Screen Volume, V_s (L)⁽²⁾: _____
 Initial Depth to Water (m/ft): 8.15

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
1353	200 mL/min	9.17		20.72	176.6	505	2.55	6.27	73		red sediment
1356		9.17		18.72	181.0	212	0.72	6.23	89		
1400	20 mL/min	9.16		18.17	183.3	169	0.59	6.41	77		red sediment
1403		9.15		17.77	197.7	142	0.27	6.58	58		
1406		9.15		17.50	192.7	135	6.22	6.80	43		

cloudy

Notes: 1415 collect GW-070496.17-092419-BP-MW-16
 (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
 (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi \cdot r^2 \cdot L$ in mL, where r (r=D/2) and L are in cm.
 For Imperial units, $V_s = \pi \cdot (r^2) \cdot L \cdot (2.54)^3$, where r and L are in inches
 (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
 (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged = V_p/V_s .
 (5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

FD-1

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

Project Data: Project Name: Pl66 Bentin Terminal
 Ref. No.: 070496.17

Date: 9/24/19
 Personnel: B. Peckley

Monitoring Well Data:

Well No.: MW-13
 Vapour PID (ppm): _____
 Measurement Point: TOC
 Constructed Well Depth (m/ft): _____
 Measured Well Depth (m/ft): _____
 Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft): _____
 Depth to Pump Intake (m/ft)⁽¹⁾: _____
 Well Diameter, D (cm/in): _____
 Well Screen Volume, V_s (L)⁽²⁾: _____
 Initial Depth to Water (m/ft): 8.69

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
<u>1316</u>		<u>9.65</u>		<u>18.91</u>	<u>112.4</u>	<u>79</u>	<u>3.00</u>	<u>6.18</u>	<u>77</u>		<u>clean w/ sediment</u>
<u>1319</u>		<u>10.12</u>		<u>18.95</u>	<u>97.2</u>	<u>49</u>	<u>1.02</u>	<u>5.74</u>	<u>109</u>		
<u>1322</u>		<u>10.36</u>		<u>18.79</u>	<u>96.5</u>	<u>49</u>	<u>0.85</u>	<u>5.55</u>	<u>127</u>		<u>clean w/ sediment</u>
<u>1325</u>		<u>10.44</u>		<u>18.106</u>	<u>98.0</u>	<u>35</u>	<u>0.76</u>	<u>5.45</u>	<u>139</u>		
<u>1328</u>		<u>10.49</u>		<u>18.54</u>	<u>98.8</u>	<u>28</u>	<u>0.73</u>	<u>5.46</u>	<u>144</u>		

Notes: 1330 LOLWT 6W-070496.17-092419-BP-MW-13

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi \cdot (r^2) \cdot L$ in mL, where r (=D/2) and L are in cm. For Imperial units, $V_s = \pi \cdot (r^2) \cdot L \cdot (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing). No. of Well Screen Volumes Purged = V_p/V_s .
- (5) For conductivity, the average value of three readings < 1 mS/cm ± 0.005 mS/cm or where conductivity > 1 mS/cm ± 0.01 mS/cm.

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

Project Data: Project Name: R66 Kent Terminal Date: 9/24/19
 Ref. No.: 070496.17 Personnel: BP/MLG

Monitoring Well Data: Well No.: MW-6
 Vapour PID (ppm): _____
 Measurement Point: TOC
 Constructed Well Depth (m/ft): _____
 Measured Well Depth (m/ft): _____
 Depth of Sediment (m/ft): 1224 - base pug
 Saturated Screen Length (m/ft): _____
 Depth to Pump Intake (m/ft)⁽¹⁾: _____
 Well Diameter, D (cm/in): _____
 Well Screen Volume, V_s (L)⁽²⁾: _____
 Initial Depth to Water (m/ft): 9.97

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
1225		9.86	0.88	15.51	553.3	4	1.79	7.47	-25		
1228		9.85		14.36	548.8	4	0.49	7.23	-43		
1231		9.85		14.26	548.6	4	0.33	7.66	-47		
1234		9.85		14.19	537.2	2	0.29	7.04	-49		
1237		9.85		14.09	541.0	1	0.26	6.54	-50		

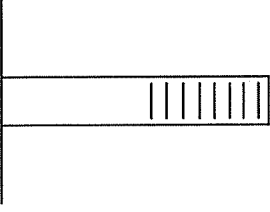
Notes: 1245 colat GW - 070496.17 - 092419 - BP - MW-6

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
 (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi \cdot r^2 \cdot L$ in mL, where r (r=D/2) and L are in cm.
 For Imperial units, $V_s = \pi \cdot r^2 \cdot L \cdot (2.54)^3$, where r and L are in inches
 (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
 (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged = V_p/V_s .
 (5) For conductivity, the average value of three readings < 1 mS/cm ± 0.005 mS/cm or where conductivity > 1 mS/cm ± 0.01 mS/cm.

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

Project Data:
 Project Name: W6 Center
 Ref. No.: 070496.17

Date: 9/24/19
 Personnel: BPacy



Monitoring Well Data:
 Well No.: MW-4
 Vapour PID (ppm): _____
 Measurement Point: DC
 Constructed Well Depth (m/ft): _____
 Measured Well Depth (m/ft): _____
 Depth of Sediment (m/ft): 1042

Saturated Screen Length (m/ft): _____
 Depth to Pump Intake (m/ft)⁽¹⁾: _____
 Well Diameter, D (cm/in): _____
 Well Screen Volume, V_s (L)⁽²⁾: _____
 Initial Depth to Water (m/ft): 6.57

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
1050		6.88		16.24	144.8	11	1.16	6.886	25		
1053		6.98		16.63	142.4	8	0.55	6.886	25		
1057		6.91		16.95	142.2	7	0.37	6.85	22		
1100		6.89		17.07	142.6	7	0.30	6.85	19		
1103		6.90		17.28	144.1	6	0.25	6.86	17		

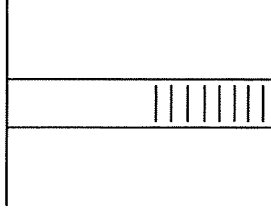
Notes: 1110 collect bw - 070496.17 - 092419 - BP - MW-4

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
 (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi * (r^2) * L$ in mL, where r (r=D/2) and L are in cm.
 For Imperial units, $V_s = \pi * (r^2) * L * (2.54)^3$, where r and L are in inches
 (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
 (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing). No. of Well Screen Volumes Purged = V_p / V_s .
 (5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

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

Project Data:
 Project Name: P66 - Rest. Town
 Ref. No.: 070496.17

Date: 07/24/19
 Personnel: P Parry



Monitoring Well Data:
 Well No.: MW-3
 Vapour PID (ppm): _____
 Measurement Point: TOL
 Constructed Well Depth (m/ft): _____
 Measured Well Depth (m/ft): _____
 Depth of Sediment (m/ft): _____
1010 hrs purg

Saturated Screen Length (m/ft): _____
 Depth to Pump Intake (m/ft)⁽¹⁾: _____
 Well Diameter, D (cm/in): _____
 Well Screen Volume, V_s (L)⁽²⁾: _____
 Initial Depth to Water (m/ft): 8.80

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
1011		<u>9.09</u>		<u>15.11</u>	<u>215.6</u>	<u>21</u>	<u>2.21</u>	<u>7.54</u>	<u>22</u>		
1014		<u>9.19</u>		<u>14.80</u>	<u>197.3</u>	<u>17</u>	<u>0.80</u>	<u>7.07</u>	<u>27</u>		
1017		<u>9.28</u>		<u>14.58</u>	<u>187.3</u>	<u>13</u>	<u>0.46</u>	<u>6.90</u>	<u>28</u>		
1020		<u>9.40</u>		<u>14.52</u>	<u>185.8</u>	<u>11</u>	<u>0.31</u>	<u>6.69</u>	<u>28</u>		
1023				<u>14.52</u>	<u>184.2</u>	<u>11</u>	<u>0.25</u>	<u>6.40</u>	<u>28</u>		

Notes: 1030 Collet GW-070496.17-092419-PP-MW-3

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi(r^2)L$ in mL, where r ($=D/2$) and L are in cm. For Imperial units, $V_s = \pi(r^2)L \cdot (2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

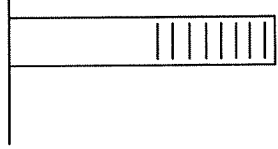
(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing). No. of Well Screen Volumes Purged = V_p/V_s .

(5) For conductivity, the average value of three readings <1 mS/cm ± 0.005 mS/cm or where conductivity >1 mS/cm ± 0.01 mS/cm.

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

Project Data: Project Name: P106 Kato-Tem
 Ref. No.: 070496.17

Date: 7/25/19
 Personnel: [Signature]



Monitoring Well Data: Well No.: MW-11
 Vapour PID (ppm): _____
 Measurement Point: TOL
 Constructed Well Depth (m/ft): _____
 Measured Well Depth (m/ft): _____
 Depth of Sediment (m/ft): 1253 mm

Saturated Screen Length (m/ft): _____
 Depth to Pump Intake (m/ft)⁽¹⁾: _____
 Well Diameter, D (cm/in): _____
 Well Screen Volume, V_s (L)⁽²⁾: _____
 Initial Depth to Water (m/ft): 4.76

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
1254		5.11		19.06	426.0	278	1.76	7.87	-3		
1257		5.14		18.20	427.6	129	0.74	7.85	-1		
1300		5.15		17.81	429.0	53	0.69	7.86	-1		
1303		5.13		17.45	430.0	33	0.67	7.84	-1		
1306		5.17		18.07	432.1	39	0.46	7.85	-3		

Notes: 1310 collect EW-070496.17-092519-BR MW-11

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi \cdot (r^2) \cdot L$ in mL, where r (r=D/2) and L are in cm.
- For Imperial units, $V_s = \pi \cdot (r^2) \cdot L \cdot (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing). No. of Well Screen Volumes Purged = V_p/V_s .
- (5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

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



Project Data: Project Name: Plot Benthi Terminal
Ref. No.: _____
Date: 9/25/19
Personnel: BP.

Monitoring Well Data: Well No.: MW-15
Vapour PID (ppm): _____
Measurement Point: TDC
Constructed Well Depth (m/ft): _____
Measured Well Depth (m/ft): _____
Depth of Sediment (m/ft): _____
0.915 km

Saturated Screen Length (m/ft): _____
Depth to Pump Intake (m/ft)⁽¹⁾: _____
Well Diameter, D (cm/in): _____
Well Screen Volume, V_s (L)⁽²⁾: _____
Initial Depth to Water (m/ft): 8.03

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
0916				17.74	333.2	6	3.22	8.10	26		
0919				17.71	323.4	2	0.85	8.49	26		
0922				17.64	321.6	4	0.42	8.62	-10		
0925				17.62	321.3	7	0.26	8.61	-15		
0928				17.63	318.6	7	0.23	8.60	-17		

Notes: 0930 collect bw - 070496.17 - 0925 15-BP-MW-15 MS/MSD.

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi r^2 L$ in mL, where r ($r=D/2$) and L are in cm.

(3) For Imperial units, $V_s = \pi r^2 L \cdot (2.54)^3$, where r and L are in inches

(4) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min. Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= V_p/V_s .

(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

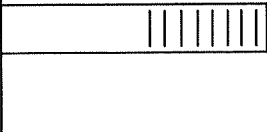
Monitoring Well Record for Low-Flow Purging
(Form SP-09)

Project Data: Project Name: Berk Technical
Ref. No.: 070496.17

Date: 9/25/19
Personnel: B Pauly

Monitoring Well Data: Well No.: D1K
Vapour PID (ppm): _____
Measurement Point: TDC
Constructed Well Depth (m/ft): _____
Measured Well Depth (m/ft): _____
Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft): _____
Depth to Pump Intake (m/ft)⁽¹⁾: _____
Well Diameter, D (cm/in): _____
Well Screen Volume, V_s (L)⁽²⁾: _____
Initial Depth to Water (m/ft): 8.01



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
<u>1009</u>		<u>8.40</u>		<u>19.51</u>	<u>743.6</u>	<u>3</u>	<u>1.25</u>	<u>8.50</u>	<u>-31</u>		
<u>1012</u>		<u>8.55</u>		<u>19.19</u>	<u>751.9</u>	<u>2</u>	<u>0.52</u>	<u>8.64</u>	<u>-45</u>		
<u>1015</u>		<u>8.60</u>		<u>19.04</u>	<u>752.0</u>	<u>1</u>	<u>0.31</u>	<u>8.68</u>	<u>-50</u>		
<u>1018</u>		<u>8.60</u>		<u>19.68</u>	<u>751.0</u>	<u>3</u>	<u>0.24</u>	<u>8.70</u>	<u>-53</u>		
<u>1021</u>		<u>8.61</u>		<u>18.58</u>	<u>749.9</u>	<u>3</u>	<u>0.20</u>	<u>8.71</u>	<u>-55</u>		

Notes: 1030 collect GW-070496.17-092519-BP-D1K

(1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.

(2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = n \cdot (r^2) \cdot L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s = n \cdot (r^2) \cdot L \cdot (2.54)^3$, where r and L are in inches

(3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.

(4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged= Vp/Vs.

(5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

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



Project Data:
 Project Name: Rentis Terminal
 Ref. No.: 07D496.1A
 Date: 9/25/19
 Personnel: B. Gray

Monitoring Well Data:
 Well No.: MW-10
 Vapour PID (ppm): _____
 Measurement Point: 10L
 Constructed Well Depth (m/ft): _____
 Measured Well Depth (m/ft): _____
 Depth of Sediment (m/ft): 1048 bgs
 Saturated Screen Length (m/ft): _____
 Depth to Pump Intake (m/ft)⁽¹⁾: _____
 Well Diameter, D (cm/in): _____
 Well Screen Volume, V_s (L)⁽²⁾: _____
 Initial Depth to Water (m/ft): 7.09

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
1050		9.95		21.62	1141	10	2.48	8.39	-35		clear
1053		9.83		19.66	1171	3	0.40	8.32	-43		
1056		9.98		19.28	1174	3	0.29	8.33	-48		clear
1100		10.00		19.01	1174	2	0.23	8.35	-46		
1103		10.05		19.82	1173	5	0.15	8.35	-47		

Notes: 1110 collect at MW-070496.17 - 092519 - BP-MW-10 bubbles in sample

- The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi(r^2)L$ in mL, where r (=D/2) and L are in cm. For Imperial units, $V_s = \pi(r^2)L * (2.54)^3$, where r and L are in inches
- The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
- Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing). No. of Well Screen Volumes Purged = Vp/Vs.
- For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

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

Project Name: Plab Rustic Terminal
 Ref. No.: 070496.17

Date: 9/25/17
 Personnel: B. P. J.

Monitoring Well Data:

Well No.: MW-12
 Vapour PID (ppm): _____
 Measurement Point: TC
 Constructed Well Depth (m/ft): _____
 Measured Well Depth (m/ft): _____
 Depth of Sediment (m/ft): _____

Saturated Screen Length (m/ft): _____
 Depth to Pump Intake (m/ft)⁽¹⁾: _____
 Well Diameter, D (cm/in): _____
 Well Screen Volume, V_s (L)⁽²⁾: _____
 Initial Depth to Water (m/ft): 7.38

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level ⁽³⁾ (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V _p (L)	No. of Well Screen Volumes Purged ⁽⁴⁾
1212	200 mL/min	7.72		21.48	415.0	26	2.24	8.07	-20		clear w/ screen
1215		7.74		19.80	322.4	15	0.42	7.72	-3		
1218		7.70		19.24	331.9	10	0.24	7.68	-1		
1221		7.70		19.03	341.9	12	0.17	7.67	-1		
1224		7.70		18.87	352.9	9	0.14	7.68	-3		clear w/ screen

Notes: 1230 collect CW-070496.17-092519-13P-MW-12

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units, $V_s = \pi \cdot (r^2) \cdot L$ in mL, where r (r=D/2) and L are in cm. For Imperial units, $V_s = \pi \cdot (r^2) \cdot L \cdot (2.54)^3$, where r and L are in inches
- (3) The drawdown from the initial water level should not exceed 0.1 m (0.3 ft). The pumping rate should not exceed 600 mL/min.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing). No. of Well Screen Volumes Purged= V_p/V_s .
- (5) For conductivity, the average value of three readings <1 mS/cm ±0.005 mS/cm or where conductivity >1 mS/cm ±0.01 mS/cm.

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: 2187R 42nd Ave W, Suite 100
 Phone: 428-563-6574
 Email: christina.mcdelland@ghd.com
 Project Name: 266 Rennie Terminal AOC 6296
 Requested Due Date: STANDARD 10 days

Section B Required Project Information:

Request To: Christina Jasen (xawandawski@ghd.com)
 Copy To: eric.maise@ghd.com, jeffrey.park@ghd.com
 Requester: DPHHS@ghd.com
 Project Order #: 466 Rennie Terminal AOC 6296
 Project #: 70496

Section C Invoice Information:

Attention: apinwoices-340@ghd.com | Jeffrey Cloud
 Company Name: GHD Services Inc. 340
 Address: 2055 Niagara Falls Blvd, Niagara Falls, NY 14304
 State / Location: WA / Renton
 Part Profile #: 40144 / 1

ITEM #	MATRIX	SAMPLE ID	WATER & COOL (see vial/cold to test)		COLLECTED		PRESERVATIVES	ANALYSES TEST	Y/N	REQUESTED ANALYSIS FILTERED (Y/N)	STATE / LOCATION
			DATE	TIME	START	END					
1	Drinking Water	6W-070496.17-092319-BP-MW-1	9/23	1315	9/23	1315	0	X	X		WA / Renton
2	Drinking Water	6W-070496.17-092319-BP-MW-2	9/23	1410	9/23	1410	0	X	X		WA / Renton
3	Drinking Water	6W-070496.17-092419-BP-MW-1	9/24	0840	9/24	0840	0	X	X		WA / Renton
4	Drinking Water	6W-070496.17-092419-BP-MW-2	9/24	0930	9/24	0930	0	X	X		WA / Renton
5	Drinking Water	6W-070496.17-092419-BP-MW-3	9/24	1030	9/24	1030	0	X	X		WA / Renton
6	Drinking Water	6W-070496.17-092419-BP-MW-4	9/24	1110	9/24	1110	0	X	X		WA / Renton
7	Drinking Water	6W-070496.17-092419-BP-MW-5	9/24	1245	9/24	1245	0	X	X		WA / Renton
8	Drinking Water	6W-070496.17-092419-BP-MW-6	9/24	1330	9/24	1330	0	X	X		WA / Renton
9	Drinking Water	6W-070496.17-092419-BP-MW-7	9/24	1415	9/24	1415	0	X	X		WA / Renton
10	Drinking Water	6W-070496.17-092419-BP-MW-8									WA / Renton
11	Drinking Water	6W-070496.17-092419-BP-MW-9	9/24		9/24			X	X		WA / Renton
12											WA / Renton

RELEASING BY / AFFILIATION: *[Signature]* DATE: 9/25/14 TIME: 1430

ACCEPTED BY / AFFILIATION: *[Signature]* DATE: 9/25/14 TIME: 1430

ADDITIONAL COMMENTS: 070496-2013 09 | 070496-09-09

SAMPLER NAME AND SIGNATURE: *[Signature]*

PRINT NAME OF SAMPLER: *[Signature]*

SIGNATURE OF SAMPLER: *[Signature]*

DATE SIGNED: *[Signature]*

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company	GHD Services, Inc.	Request To	Christina, jacobson@ghd.com	Attention	adynovices-340@ghd.com Jeffrey Cloud
Address	208 1/2 4th Ave W, Suite 100 Burton, WA 98009	Copy To	eric_raine@ghd.com jeffrey.cloud@ghd.com	Company Name	GHD Services Inc. 340
Phone	(206) 863-6574	Requesting Party	Christina.jacobson@ghd.com	Address	2065 Naparra Falls Blvd, Naparra Falls, NY 14224
Request Date	STANDARD 10 Days	Project Name	066 Remint Terminal ACC 522E	State / Location	WA / Renton
		Project #	70496	Regulatory Agency	

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / . / -)	MATRIX CODE DW - Drinking Water W - Water WSP - Wastewater B - Bulk S - Soil C - Core A - Air T - Other T - Test	COLLECTED		DATE	TIME	ANALYSES TEST	PRESERVATIVES	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
			START	STOP										
1	GW-070496.17-092519-BP-MW-15		2019	09:30	9/25	09:30	X X X	N2S200	9/25/19	14:30	[Signature]	9/25/19	14:30	
2	MS/MSD		2019	09:10	9/25	09:10	X X X		9/25/19	14:30	[Signature]	9/25/19	14:30	
3	GW-070496.17-092519-BP-MW-10		2019	10:30	9/25	10:30	X X X		9/25/19	14:30	[Signature]	9/25/19	14:30	
4	GW-070496.17-092519-BP-MW-10		2019	11:10	9/25	11:10	X X X		9/25/19	14:30	[Signature]	9/25/19	14:30	
5	GW-070496.17-092519-BP-MW-12		2019	12:20	9/25	12:20	X X X		9/25/19	14:30	[Signature]	9/25/19	14:30	
6	GW-070496.17-092519-BP-MW-11		2019	13:10	9/25	13:10	X X X		9/25/19	14:30	[Signature]	9/25/19	14:30	
7														
8														
9														
10														
11														
12														

ADDITIONAL COMMENTS	070496-2019-09-070496-CIP-MW
RELINQUISHED BY / AFFILIATION	[Signature]
DATE	9/25/19 14:30
RECEIVED BY / AFFILIATION	[Signature]
DATE	9/25/19 14:30
SAMPLER NAME AND SIGNATURE	[Signature]
PRINT Name of SAMPLER	
SIGNATURE of SAMPLER	
DATE	

Appendix D

Groundwater Monitoring Analytical Reports

October 08, 2019

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

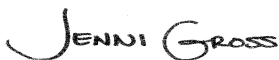
RE: Project: 70496 P66 Renton Terminal AOC
Pace Project No.: 10493246

Dear Christina McClelland:

Enclosed are the analytical results for sample(s) received by the laboratory on September 27, 2019. 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: Rosemarie Borths, GHD Services Inc.
Jeffrey Cloud, GHD Services Inc.
Joe Lewandowski, GHD
Eric Maise, GHD Services Inc.



REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: 70496 P66 Renton Terminal AOC

Pace Project No.: 10493246

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485

A2LA Certification #: 2926.01

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

CNMI Saipan Certification #: MP0003

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

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

Florida Certification #: E87605

Georgia Certification #: 959

Guam EPA Certification #: MN00064

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: 03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Massachusetts Certification #: M-MN064

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

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

Minnesota Petrofund Certification #: 1240

Mississippi Certification #: MN00064

Missouri Certification #: 10100

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 Primary 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

Vermont Certification #: VT-027053137

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 70496 P66 Renton Terminal AOC
Pace Project No.: 10493246

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10493246001	GW-070496.17-092319-BP-MW-1	Water	09/23/19 13:15	09/27/19 08:55
10493246002	GW-070496.17-092319-BP-MW-2	Water	09/23/19 14:10	09/27/19 08:55
10493246003	GW-070496.17-092419-BP-LAI-13	Water	09/24/19 08:40	09/27/19 08:55
10493246004	GW-070496.17-092419-BP-LAI-14	Water	09/24/19 09:30	09/27/19 08:55
10493246005	GW-070496.17-092419-BP-MW-3	Water	09/24/19 10:30	09/27/19 08:55
10493246006	GW-070496.17-092419-BP-MW-4	Water	09/24/19 11:10	09/27/19 08:55
10493246007	GW-070496.17-092419-BP-MW-6	Water	09/24/19 12:45	09/27/19 08:55
10493246008	GW-070496.17-092419-BP-MW-13	Water	09/24/19 13:30	09/27/19 08:55
10493246009	GW-070496.17-092419-BP-MW-16	Water	09/24/19 14:15	09/27/19 08:55
10493246010	GW-070496.17-092419-BP-FD-1	Water	09/24/19 00:00	09/27/19 08:55
10493246011	GW-070496.17-092519-BP-MW-15	Water	09/25/19 09:30	09/27/19 08:55
10493246012	GW-070496.17-092519-BP-D1R	Water	09/25/19 10:30	09/27/19 08:55
10493246013	GW-070496.17-092519-BP-MW-10	Water	09/25/19 11:10	09/27/19 08:55
10493246014	GW-070496.17-092519-BP-MW-12	Water	09/25/19 12:30	09/27/19 08:55
10493246015	GW-070496.17-092519-BP-MW-11	Water	09/25/19 13:10	09/27/19 08:55
10493246016	Trip Blank	Water	09/23/19 00:00	09/27/19 08:55

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 70496 P66 Renton Terminal AOC
Pace Project No.: 10493246

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10493246001	GW-070496.17-092319-BP-MW-1	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10493246002	GW-070496.17-092319-BP-MW-2	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10493246003	GW-070496.17-092419-BP-LAI-13	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10493246004	GW-070496.17-092419-BP-LAI-14	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10493246005	GW-070496.17-092419-BP-MW-3	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10493246006	GW-070496.17-092419-BP-MW-4	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10493246007	GW-070496.17-092419-BP-MW-6	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10493246008	GW-070496.17-092419-BP-MW-13	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10493246009	GW-070496.17-092419-BP-MW-16	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10493246010	GW-070496.17-092419-BP-FD-1	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10493246011	GW-070496.17-092519-BP-MW-15	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10493246012	GW-070496.17-092519-BP-D1R	NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10493246013	GW-070496.17-092519-BP-MW-10	NWTPH-Dx	EC2	4	PASI-M

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SAMPLE ANALYTE COUNT

Project: 70496 P66 Renton Terminal AOC

Pace Project No.: 10493246

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10493246014	GW-070496.17-092519-BP-MW-12	NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
		NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	MJD	2	PASI-M
10493246015	GW-070496.17-092519-BP-MW-11	EPA 8260B	DS2	7	PASI-M
		NWTPH-Dx	EC2	4	PASI-M
		NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
10493246016	Trip Blank	NWTPH-Gx	MJD	2	PASI-M
		EPA 8260B	DS2	7	PASI-M
		EPA 8260B	DS2	7	PASI-M

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ANALYTICAL RESULTS

Project: 70496 P66 Renton Terminal AOC

Pace Project No.: 10493246

Sample: GW-070496.17-092319-BP-MW-1 **Lab ID:** 10493246001 Collected: 09/23/19 13:15 Received: 09/27/19 08:55 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	ug/L	400	1	10/01/19 17:03	10/02/19 12:49	68334-30-5	
Motor Oil Range SG	ND	ug/L	400	1	10/01/19 17:03	10/02/19 12:49	64742-65-0	
Surrogates								
o-Terphenyl (S)	83	%.	50-150	1	10/01/19 17:03	10/02/19 12:49	84-15-1	
n-Triacontane (S)	94	%.	50-150	1	10/01/19 17:03	10/02/19 12:49	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		10/03/19 21:01		
Surrogates								
a,a,a-Trifluorotoluene (S)	71	%.	50-150	1		10/03/19 21:01	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		10/01/19 01:26	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/01/19 01:26	100-41-4	
Toluene	ND	ug/L	1.0	1		10/01/19 01:26	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		10/01/19 01:26	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	116	%.	75-125	1		10/01/19 01:26	17060-07-0	
Toluene-d8 (S)	105	%.	75-125	1		10/01/19 01:26	2037-26-5	
4-Bromofluorobenzene (S)	114	%.	75-125	1		10/01/19 01:26	460-00-4	

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ANALYTICAL RESULTS

Project: 70496 P66 Renton Terminal AOC

Pace Project No.: 10493246

Sample: GW-070496.17-092319-BP-MW-2 **Lab ID:** 10493246002 Collected: 09/23/19 14:10 Received: 09/27/19 08:55 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	ug/L	392	1	10/01/19 17:03	10/02/19 13:11	68334-30-5	
Motor Oil Range SG	ND	ug/L	392	1	10/01/19 17:03	10/02/19 13:11	64742-65-0	
Surrogates								
o-Terphenyl (S)	68	%.	50-150	1	10/01/19 17:03	10/02/19 13:11	84-15-1	
n-Triacontane (S)	81	%.	50-150	1	10/01/19 17:03	10/02/19 13:11	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		10/04/19 01:46		
Surrogates								
a,a,a-Trifluorotoluene (S)	74	%.	50-150	1		10/04/19 01:46	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		10/01/19 01:43	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/01/19 01:43	100-41-4	
Toluene	ND	ug/L	1.0	1		10/01/19 01:43	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		10/01/19 01:43	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	116	%.	75-125	1		10/01/19 01:43	17060-07-0	
Toluene-d8 (S)	107	%.	75-125	1		10/01/19 01:43	2037-26-5	
4-Bromofluorobenzene (S)	112	%.	75-125	1		10/01/19 01:43	460-00-4	

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ANALYTICAL RESULTS

Project: 70496 P66 Renton Terminal AOC

Pace Project No.: 10493246

Sample: GW-070496.17-092419-BP-LAI-13 **Lab ID:** 10493246003 Collected: 09/24/19 08:40 Received: 09/27/19 08:55 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	ug/L	392	1	10/01/19 17:03	10/02/19 13:22	68334-30-5	
Motor Oil Range SG	ND	ug/L	392	1	10/01/19 17:03	10/02/19 13:22	64742-65-0	
Surrogates								
o-Terphenyl (S)	71	%.	50-150	1	10/01/19 17:03	10/02/19 13:22	84-15-1	
n-Triacontane (S)	85	%.	50-150	1	10/01/19 17:03	10/02/19 13:22	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		10/03/19 21:35		
Surrogates								
a,a,a-Trifluorotoluene (S)	75	%.	50-150	1		10/03/19 21:35	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		10/01/19 02:01	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/01/19 02:01	100-41-4	
Toluene	ND	ug/L	1.0	1		10/01/19 02:01	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		10/01/19 02:01	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	116	%.	75-125	1		10/01/19 02:01	17060-07-0	
Toluene-d8 (S)	107	%.	75-125	1		10/01/19 02:01	2037-26-5	
4-Bromofluorobenzene (S)	113	%.	75-125	1		10/01/19 02:01	460-00-4	

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ANALYTICAL RESULTS

Project: 70496 P66 Renton Terminal AOC

Pace Project No.: 10493246

Sample: GW-070496.17-092419-BP-LAI-14 **Lab ID:** 10493246004 Collected: 09/24/19 09:30 Received: 09/27/19 08:55 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	ug/L	392	1	10/01/19 17:03	10/02/19 13:33	68334-30-5	
Motor Oil Range SG	ND	ug/L	392	1	10/01/19 17:03	10/02/19 13:33	64742-65-0	
Surrogates								
o-Terphenyl (S)	70	%.	50-150	1	10/01/19 17:03	10/02/19 13:33	84-15-1	
n-Triacontane (S)	82	%.	50-150	1	10/01/19 17:03	10/02/19 13:33	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		10/03/19 21:52		
Surrogates								
a,a,a-Trifluorotoluene (S)	72	%.	50-150	1		10/03/19 21:52	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		10/01/19 02:18	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/01/19 02:18	100-41-4	
Toluene	ND	ug/L	1.0	1		10/01/19 02:18	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		10/01/19 02:18	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	114	%.	75-125	1		10/01/19 02:18	17060-07-0	
Toluene-d8 (S)	106	%.	75-125	1		10/01/19 02:18	2037-26-5	
4-Bromofluorobenzene (S)	112	%.	75-125	1		10/01/19 02:18	460-00-4	

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ANALYTICAL RESULTS

Project: 70496 P66 Renton Terminal AOC

Pace Project No.: 10493246

Sample: GW-070496.17-092419-BP-MW-3 **Lab ID:** 10493246005 Collected: 09/24/19 10:30 Received: 09/27/19 08:55 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	ug/L	400	1	10/01/19 17:03	10/02/19 13:44	68334-30-5	
Motor Oil Range SG	ND	ug/L	400	1	10/01/19 17:03	10/02/19 13:44	64742-65-0	
Surrogates								
o-Terphenyl (S)	70	%.	50-150	1	10/01/19 17:03	10/02/19 13:44	84-15-1	
n-Triacontane (S)	81	%.	50-150	1	10/01/19 17:03	10/02/19 13:44	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		10/03/19 22:42		
Surrogates								
a,a,a-Trifluorotoluene (S)	75	%.	50-150	1		10/03/19 22:42	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		10/01/19 02:35	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/01/19 02:35	100-41-4	
Toluene	ND	ug/L	1.0	1		10/01/19 02:35	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		10/01/19 02:35	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	114	%.	75-125	1		10/01/19 02:35	17060-07-0	
Toluene-d8 (S)	106	%.	75-125	1		10/01/19 02:35	2037-26-5	
4-Bromofluorobenzene (S)	113	%.	75-125	1		10/01/19 02:35	460-00-4	

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ANALYTICAL RESULTS

Project: 70496 P66 Renton Terminal AOC

Pace Project No.: 10493246

Sample: GW-070496.17-092419-BP-
MW-4 **Lab ID:** 10493246006 Collected: 09/24/19 11:10 Received: 09/27/19 08:55 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	ug/L	400	1	10/01/19 17:03	10/02/19 13:55	68334-30-5	
Motor Oil Range SG	ND	ug/L	400	1	10/01/19 17:03	10/02/19 13:55	64742-65-0	
Surrogates								
o-Terphenyl (S)	66	%.	50-150	1	10/01/19 17:03	10/02/19 13:55	84-15-1	
n-Triacontane (S)	77	%.	50-150	1	10/01/19 17:03	10/02/19 13:55	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		10/03/19 22:59		
Surrogates								
a,a,a-Trifluorotoluene (S)	74	%.	50-150	1		10/03/19 22:59	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		10/01/19 05:09	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/01/19 05:09	100-41-4	
Toluene	ND	ug/L	1.0	1		10/01/19 05:09	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		10/01/19 05:09	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	116	%.	75-125	1		10/01/19 05:09	17060-07-0	
Toluene-d8 (S)	106	%.	75-125	1		10/01/19 05:09	2037-26-5	
4-Bromofluorobenzene (S)	113	%.	75-125	1		10/01/19 05:09	460-00-4	

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ANALYTICAL RESULTS

Project: 70496 P66 Renton Terminal AOC

Pace Project No.: 10493246

Sample: GW-070496.17-092419-BP-MW-6 **Lab ID:** 10493246007 Collected: 09/24/19 12:45 Received: 09/27/19 08:55 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	ug/L	417	1	10/01/19 17:03	10/02/19 14:06	68334-30-5	
Motor Oil Range SG	ND	ug/L	417	1	10/01/19 17:03	10/02/19 14:06	64742-65-0	
Surrogates								
o-Terphenyl (S)	68	%.	50-150	1	10/01/19 17:03	10/02/19 14:06	84-15-1	
n-Triacontane (S)	77	%.	50-150	1	10/01/19 17:03	10/02/19 14:06	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		10/03/19 23:16		
Surrogates								
a,a,a-Trifluorotoluene (S)	75	%.	50-150	1		10/03/19 23:16	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		10/01/19 02:52	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/01/19 02:52	100-41-4	
Toluene	ND	ug/L	1.0	1		10/01/19 02:52	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		10/01/19 02:52	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	115	%.	75-125	1		10/01/19 02:52	17060-07-0	
Toluene-d8 (S)	107	%.	75-125	1		10/01/19 02:52	2037-26-5	
4-Bromofluorobenzene (S)	112	%.	75-125	1		10/01/19 02:52	460-00-4	

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ANALYTICAL RESULTS

Project: 70496 P66 Renton Terminal AOC

Pace Project No.: 10493246

Sample: GW-070496.17-092419-BP-MW-13 **Lab ID:** 10493246008 Collected: 09/24/19 13:30 Received: 09/27/19 08:55 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	ug/L	400	1	10/01/19 17:03	10/02/19 14:17	68334-30-5	
Motor Oil Range SG	ND	ug/L	400	1	10/01/19 17:03	10/02/19 14:17	64742-65-0	
Surrogates								
o-Terphenyl (S)	72	%.	50-150	1	10/01/19 17:03	10/02/19 14:17	84-15-1	
n-Triacontane (S)	82	%.	50-150	1	10/01/19 17:03	10/02/19 14:17	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		10/03/19 23:32		
Surrogates								
a,a,a-Trifluorotoluene (S)	78	%.	50-150	1		10/03/19 23:32	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		10/01/19 03:09	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/01/19 03:09	100-41-4	
Toluene	ND	ug/L	1.0	1		10/01/19 03:09	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		10/01/19 03:09	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	116	%.	75-125	1		10/01/19 03:09	17060-07-0	
Toluene-d8 (S)	107	%.	75-125	1		10/01/19 03:09	2037-26-5	
4-Bromofluorobenzene (S)	113	%.	75-125	1		10/01/19 03:09	460-00-4	

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ANALYTICAL RESULTS

Project: 70496 P66 Renton Terminal AOC

Pace Project No.: 10493246

Sample: GW-070496.17-092419-BP-MW-16 **Lab ID:** 10493246009 Collected: 09/24/19 14:15 Received: 09/27/19 08:55 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	ug/L	392	1	10/01/19 17:03	10/02/19 14:28	68334-30-5	
Motor Oil Range SG	ND	ug/L	392	1	10/01/19 17:03	10/02/19 14:28	64742-65-0	
Surrogates								
o-Terphenyl (S)	73	%.	50-150	1	10/01/19 17:03	10/02/19 14:28	84-15-1	
n-Triacontane (S)	84	%.	50-150	1	10/01/19 17:03	10/02/19 14:28	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		10/03/19 23:49		
Surrogates								
a,a,a-Trifluorotoluene (S)	73	%.	50-150	1		10/03/19 23:49	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		10/01/19 03:26	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/01/19 03:26	100-41-4	
Toluene	ND	ug/L	1.0	1		10/01/19 03:26	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		10/01/19 03:26	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	116	%.	75-125	1		10/01/19 03:26	17060-07-0	
Toluene-d8 (S)	105	%.	75-125	1		10/01/19 03:26	2037-26-5	
4-Bromofluorobenzene (S)	113	%.	75-125	1		10/01/19 03:26	460-00-4	

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ANALYTICAL RESULTS

Project: 70496 P66 Renton Terminal AOC

Pace Project No.: 10493246

Sample: GW-070496.17-092419-BP-FD-1 **Lab ID:** 10493246010 Collected: 09/24/19 00:00 Received: 09/27/19 08:55 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	ug/L	400	1	10/01/19 17:03	10/02/19 14:39	68334-30-5	
Motor Oil Range SG	ND	ug/L	400	1	10/01/19 17:03	10/02/19 14:39	64742-65-0	
Surrogates								
o-Terphenyl (S)	69	%.	50-150	1	10/01/19 17:03	10/02/19 14:39	84-15-1	
n-Triacontane (S)	80	%.	50-150	1	10/01/19 17:03	10/02/19 14:39	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		10/04/19 00:06		
Surrogates								
a,a,a-Trifluorotoluene (S)	75	%.	50-150	1		10/04/19 00:06	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		10/01/19 03:43	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/01/19 03:43	100-41-4	
Toluene	ND	ug/L	1.0	1		10/01/19 03:43	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		10/01/19 03:43	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	118	%.	75-125	1		10/01/19 03:43	17060-07-0	
Toluene-d8 (S)	106	%.	75-125	1		10/01/19 03:43	2037-26-5	
4-Bromofluorobenzene (S)	113	%.	75-125	1		10/01/19 03:43	460-00-4	

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ANALYTICAL RESULTS

Project: 70496 P66 Renton Terminal AOC

Pace Project No.: 10493246

Sample: GW-070496.17-092519-BP-MW-15 **Lab ID:** 10493246011 Collected: 09/25/19 09:30 Received: 09/27/19 08:55 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	ug/L	400	1	10/01/19 17:03	10/02/19 14:50	68334-30-5	
Motor Oil Range SG	ND	ug/L	400	1	10/01/19 17:03	10/02/19 14:50	64742-65-0	
Surrogates								
o-Terphenyl (S)	63	%.	50-150	1	10/01/19 17:03	10/02/19 14:50	84-15-1	
n-Triacontane (S)	70	%.	50-150	1	10/01/19 17:03	10/02/19 14:50	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	159	ug/L	100	1		10/03/19 19:54		
Surrogates								
a,a,a-Trifluorotoluene (S)	74	%.	50-150	1		10/03/19 19:54	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	7.3	ug/L	1.0	1		10/01/19 01:09	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/01/19 01:09	100-41-4	
Toluene	ND	ug/L	1.0	1		10/01/19 01:09	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		10/01/19 01:09	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	116	%.	75-125	1		10/01/19 01:09	17060-07-0	
Toluene-d8 (S)	107	%.	75-125	1		10/01/19 01:09	2037-26-5	
4-Bromofluorobenzene (S)	112	%.	75-125	1		10/01/19 01:09	460-00-4	

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ANALYTICAL RESULTS

Project: 70496 P66 Renton Terminal AOC

Pace Project No.: 10493246

Sample: GW-070496.17-092519-BP-D1R **Lab ID:** 10493246012 Collected: 09/25/19 10:30 Received: 09/27/19 08:55 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	ug/L	417	1	10/01/19 17:03	10/02/19 15:12	68334-30-5	
Motor Oil Range SG	ND	ug/L	417	1	10/01/19 17:03	10/02/19 15:12	64742-65-0	
Surrogates								
o-Terphenyl (S)	71	%.	50-150	1	10/01/19 17:03	10/02/19 15:12	84-15-1	
n-Triacontane (S)	80	%.	50-150	1	10/01/19 17:03	10/02/19 15:12	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	345	ug/L	200	2		10/04/19 03:27		
Surrogates								
a,a,a-Trifluorotoluene (S)	74	%.	50-150	2		10/04/19 03:27	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		10/01/19 04:00	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/01/19 04:00	100-41-4	
Toluene	ND	ug/L	1.0	1		10/01/19 04:00	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		10/01/19 04:00	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	116	%.	75-125	1		10/01/19 04:00	17060-07-0	
Toluene-d8 (S)	106	%.	75-125	1		10/01/19 04:00	2037-26-5	
4-Bromofluorobenzene (S)	112	%.	75-125	1		10/01/19 04:00	460-00-4	

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ANALYTICAL RESULTS

Project: 70496 P66 Renton Terminal AOC

Pace Project No.: 10493246

Sample: GW-070496.17-092519-BP-MW-10 **Lab ID:** 10493246013 Collected: 09/25/19 11:10 Received: 09/27/19 08:55 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	ug/L	417	1	10/01/19 17:03	10/02/19 15:22	68334-30-5	
Motor Oil Range SG	ND	ug/L	417	1	10/01/19 17:03	10/02/19 15:22	64742-65-0	
Surrogates								
o-Terphenyl (S)	68	%.	50-150	1	10/01/19 17:03	10/02/19 15:22	84-15-1	
n-Triacontane (S)	76	%.	50-150	1	10/01/19 17:03	10/02/19 15:22	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		10/04/19 02:20		
Surrogates								
a,a,a-Trifluorotoluene (S)	75	%.	50-150	1		10/04/19 02:20	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		10/01/19 04:17	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/01/19 04:17	100-41-4	
Toluene	ND	ug/L	1.0	1		10/01/19 04:17	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		10/01/19 04:17	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	117	%.	75-125	1		10/01/19 04:17	17060-07-0	
Toluene-d8 (S)	106	%.	75-125	1		10/01/19 04:17	2037-26-5	
4-Bromofluorobenzene (S)	113	%.	75-125	1		10/01/19 04:17	460-00-4	

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ANALYTICAL RESULTS

Project: 70496 P66 Renton Terminal AOC

Pace Project No.: 10493246

Sample: GW-070496.17-092519-BP-
MW-12 **Lab ID:** 10493246014 Collected: 09/25/19 12:30 Received: 09/27/19 08:55 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	ug/L	400	1	10/01/19 17:03	10/02/19 15:33	68334-30-5	
Motor Oil Range SG	ND	ug/L	400	1	10/01/19 17:03	10/02/19 15:33	64742-65-0	
Surrogates								
o-Terphenyl (S)	75	%.	50-150	1	10/01/19 17:03	10/02/19 15:33	84-15-1	
n-Triacontane (S)	85	%.	50-150	1	10/01/19 17:03	10/02/19 15:33	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		10/07/19 18:24		
Surrogates								
a,a,a-Trifluorotoluene (S)	79	%.	50-150	1		10/07/19 18:24	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		10/01/19 04:34	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/01/19 04:34	100-41-4	
Toluene	ND	ug/L	1.0	1		10/01/19 04:34	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		10/01/19 04:34	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	117	%.	75-125	1		10/01/19 04:34	17060-07-0	
Toluene-d8 (S)	106	%.	75-125	1		10/01/19 04:34	2037-26-5	
4-Bromofluorobenzene (S)	112	%.	75-125	1		10/01/19 04:34	460-00-4	

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ANALYTICAL RESULTS

Project: 70496 P66 Renton Terminal AOC

Pace Project No.: 10493246

Sample: GW-070496.17-092519-BP-MW-11 **Lab ID:** 10493246015 Collected: 09/25/19 13:10 Received: 09/27/19 08:55 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	ug/L	400	1	10/01/19 17:03	10/02/19 15:44	68334-30-5	
Motor Oil Range SG	ND	ug/L	400	1	10/01/19 17:03	10/02/19 15:44	64742-65-0	
Surrogates								
o-Terphenyl (S)	71	%.	50-150	1	10/01/19 17:03	10/02/19 15:44	84-15-1	
n-Triacontane (S)	81	%.	50-150	1	10/01/19 17:03	10/02/19 15:44	638-68-6	
NWTPH-Gx GCV		Analytical Method: NWTPH-Gx						
TPH as Gas	ND	ug/L	100	1		10/04/19 02:37		
Surrogates								
a,a,a-Trifluorotoluene (S)	72	%.	50-150	1		10/04/19 02:37	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		10/01/19 04:51	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/01/19 04:51	100-41-4	
Toluene	ND	ug/L	1.0	1		10/01/19 04:51	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		10/01/19 04:51	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	116	%.	75-125	1		10/01/19 04:51	17060-07-0	
Toluene-d8 (S)	106	%.	75-125	1		10/01/19 04:51	2037-26-5	
4-Bromofluorobenzene (S)	111	%.	75-125	1		10/01/19 04:51	460-00-4	

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ANALYTICAL RESULTS

Project: 70496 P66 Renton Terminal AOC

Pace Project No.: 10493246

Sample: Trip Blank		Lab ID: 10493246016	Collected: 09/23/19 00:00	Received: 09/27/19 08:55	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		10/04/19 00:39		
Surrogates								
a,a,a-Trifluorotoluene (S)	74	%.	50-150	1		10/04/19 00:39	98-08-8	
8260B MSV UST		Analytical Method: EPA 8260B						
Benzene	ND	ug/L	1.0	1		10/01/19 00:52	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/01/19 00:52	100-41-4	
Toluene	ND	ug/L	1.0	1		10/01/19 00:52	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		10/01/19 00:52	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	117	%.	75-125	1		10/01/19 00:52	17060-07-0	
Toluene-d8 (S)	106	%.	75-125	1		10/01/19 00:52	2037-26-5	
4-Bromofluorobenzene (S)	113	%.	75-125	1		10/01/19 00:52	460-00-4	

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QUALITY CONTROL DATA

Project: 70496 P66 Renton Terminal AOC

Project No.: 10493246

QC Batch: 635808 Analysis Method: NWTPH-Gx
 QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Water
 Associated Lab Samples: 10493246001, 10493246002, 10493246003, 10493246004, 10493246005, 10493246006, 10493246007, 10493246008, 10493246009, 10493246010, 10493246011, 10493246012, 10493246013, 10493246015, 10493246016

METHOD BLANK: 3426663 Matrix: Water
 Associated Lab Samples: 10493246001, 10493246002, 10493246003, 10493246004, 10493246005, 10493246006, 10493246007, 10493246008, 10493246009, 10493246010, 10493246011, 10493246012, 10493246013, 10493246015, 10493246016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	10/03/19 19:37	
a,a,a-Trifluorotoluene (S)	%.	75	50-150	10/03/19 19:37	

METHOD BLANK: 3426664 Matrix: Water
 Associated Lab Samples: 10493246001, 10493246002, 10493246003, 10493246004, 10493246005, 10493246006, 10493246007, 10493246008, 10493246009, 10493246010, 10493246011, 10493246012, 10493246013, 10493246015, 10493246016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	10/04/19 01:30	
a,a,a-Trifluorotoluene (S)	%.	75	50-150	10/04/19 01:30	

LABORATORY CONTROL SAMPLE & LCSD: 3426665 3426666

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	945	888	94	89	75-125	6	20	
a,a,a-Trifluorotoluene (S)	%.				88	85	50-150			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3426667 3426668

Parameter	Units	10493246011 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	159	1000	1000	941	988	78	83	75-125	5	30	
a,a,a-Trifluorotoluene (S)	%.						83	112	50-150			

SAMPLE DUPLICATE: 3427106

Parameter	Units	10493246001 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	ND	ND		30	
a,a,a-Trifluorotoluene (S)	%.	71	70			

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QUALITY CONTROL DATA

Project: 70496 P66 Renton Terminal AOC

Pace Project No.: 10493246

SAMPLE DUPLICATE: 3427107

Parameter	Units	10493246002 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	ND	ND		30	
a,a,a-Trifluorotoluene (S)	%.	74	72			

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QUALITY CONTROL DATA

Project: 70496 P66 Renton Terminal AOC

Pace Project No.: 10493246

QC Batch: 636815	Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx	Analysis Description: NWTPH-Gx Water
Associated Lab Samples: 10493246014	

METHOD BLANK: 3432266 Matrix: Water
Associated Lab Samples: 10493246014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	10/07/19 18:08	
a,a,a-Trifluorotoluene (S)	%.	83	50-150	10/07/19 18:08	

LABORATORY CONTROL SAMPLE & LCSD: 3432268

3432269

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	999	853	100	85	75-125	16	20	
a,a,a-Trifluorotoluene (S)	%.				95	89	50-150			

SAMPLE DUPLICATE: 3432270

Parameter	Units	10493246014 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	ND	ND		30	
a,a,a-Trifluorotoluene (S)	%.	79	78			

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70496 P66 Renton Terminal AOC

Pace Project No.: 10493246

QC Batch: 635466 Analysis Method: EPA 8260B
 QC Batch Method: EPA 8260B Analysis Description: 8260B MSV UST-WATER
 Associated Lab Samples: 10493246001, 10493246002, 10493246003, 10493246004, 10493246005, 10493246006, 10493246007, 10493246008, 10493246009, 10493246010, 10493246011, 10493246012, 10493246013, 10493246014, 10493246015, 10493246016

METHOD BLANK: 3424944 Matrix: Water
 Associated Lab Samples: 10493246001, 10493246002, 10493246003, 10493246004, 10493246005, 10493246006, 10493246007, 10493246008, 10493246009, 10493246010, 10493246011, 10493246012, 10493246013, 10493246014, 10493246015, 10493246016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	10/01/19 00:35	
Ethylbenzene	ug/L	ND	1.0	10/01/19 00:35	
Toluene	ug/L	ND	1.0	10/01/19 00:35	
Xylene (Total)	ug/L	ND	3.0	10/01/19 00:35	
1,2-Dichloroethane-d4 (S)	%	116	75-125	10/01/19 00:35	
4-Bromofluorobenzene (S)	%	113	75-125	10/01/19 00:35	
Toluene-d8 (S)	%	105	75-125	10/01/19 00:35	

LABORATORY CONTROL SAMPLE: 3424945

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	19.9	100	75-125	
Ethylbenzene	ug/L	20	19.4	97	75-125	
Toluene	ug/L	20	19.6	98	75-125	
Xylene (Total)	ug/L	60	56.2	94	75-125	
1,2-Dichloroethane-d4 (S)	%			116	75-125	
4-Bromofluorobenzene (S)	%			112	75-125	
Toluene-d8 (S)	%			112	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3424946 3424947

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		10493246011 Result	Spike Conc.	Spike Conc.	MS Result						
Benzene	ug/L	7.3	20	20	27.9	28.8	103	107	30-150	3	30
Ethylbenzene	ug/L	ND	20	20	20.1	20.8	100	104	30-150	3	30
Toluene	ug/L	ND	20	20	20.5	20.7	101	103	30-150	1	30
Xylene (Total)	ug/L	ND	60	60	58.7	59.2	98	99	30-150	1	30
1,2-Dichloroethane-d4 (S)	%						115	115	75-125		
4-Bromofluorobenzene (S)	%						111	108	75-125		
Toluene-d8 (S)	%						111	110	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

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QUALITY CONTROL DATA

Project: 70496 P66 Renton Terminal AOC

Pace Project No.: 10493246

QC Batch:	635604	Analysis Method:	NWTPH-Dx
QC Batch Method:	EPA Mod. 3510C	Analysis Description:	NWTPH-Dx GCS LV SG
Associated Lab Samples:	10493246001, 10493246002, 10493246003, 10493246004, 10493246005, 10493246006, 10493246007, 10493246008, 10493246009, 10493246010, 10493246011, 10493246012, 10493246013, 10493246014, 10493246015		

METHOD BLANK:	3425582	Matrix:	Water
Associated Lab Samples:	10493246001, 10493246002, 10493246003, 10493246004, 10493246005, 10493246006, 10493246007, 10493246008, 10493246009, 10493246010, 10493246011, 10493246012, 10493246013, 10493246014, 10493246015		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Fuel Range SG	ug/L	ND	400	10/02/19 12:17	
Motor Oil Range SG	ug/L	896	400	10/02/19 12:17	P8
n-Triacontane (S)	%	77	50-150	10/02/19 12:17	
o-Terphenyl (S)	%	77	50-150	10/02/19 12:17	

Parameter	Units	3425583		3426099		% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec				
Diesel Fuel Range SG	ug/L	2000	1770	1090	88	55	50-150	47	20 R1
Motor Oil Range SG	ug/L	2000	1840	1150	92	57	50-150	46	20 R1
n-Triacontane (S)	%				90	54	50-150		
o-Terphenyl (S)	%				85	51	50-150		

Parameter	Units	10493246001		RPD	Max RPD	Qualifiers
		Result	Dup Result			
Diesel Fuel Range SG	ug/L	ND	176J		30	
Motor Oil Range SG	ug/L	ND	86.6J		30	
n-Triacontane (S)	%	94	84			
o-Terphenyl (S)	%	83	65			

Parameter	Units	10493246011		RPD	Max RPD	Qualifiers
		Result	Dup Result			
Diesel Fuel Range SG	ug/L	ND	150J		30	
Motor Oil Range SG	ug/L	ND	ND		30	
n-Triacontane (S)	%	70	80			
o-Terphenyl (S)	%	63	68			

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 70496 P66 Renton Terminal AOC

Pace Project No.: 10493246

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

P8 Analyte was detected in the method blank. All associated samples had concentrations of at least ten times greater than the blank or were below the reporting limit.

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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METHOD CROSS REFERENCE TABLE

Project: 70496 P66 Renton Terminal AOC

Pace Project No.: 10493246

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 70496 P66 Renton Terminal AOC

Pace Project No.: 10493246

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10493246001	GW-070496.17-092319-BP-MW-1	EPA Mod. 3510C	635604	NWTPH-Dx	635890
10493246002	GW-070496.17-092319-BP-MW-2	EPA Mod. 3510C	635604	NWTPH-Dx	635890
10493246003	GW-070496.17-092419-BP-LAI-13	EPA Mod. 3510C	635604	NWTPH-Dx	635890
10493246004	GW-070496.17-092419-BP-LAI-14	EPA Mod. 3510C	635604	NWTPH-Dx	635890
10493246005	GW-070496.17-092419-BP-MW-3	EPA Mod. 3510C	635604	NWTPH-Dx	635890
10493246006	GW-070496.17-092419-BP-MW-4	EPA Mod. 3510C	635604	NWTPH-Dx	635890
10493246007	GW-070496.17-092419-BP-MW-6	EPA Mod. 3510C	635604	NWTPH-Dx	635890
10493246008	GW-070496.17-092419-BP-MW-13	EPA Mod. 3510C	635604	NWTPH-Dx	635890
10493246009	GW-070496.17-092419-BP-MW-16	EPA Mod. 3510C	635604	NWTPH-Dx	635890
10493246010	GW-070496.17-092419-BP-FD-1	EPA Mod. 3510C	635604	NWTPH-Dx	635890
10493246011	GW-070496.17-092519-BP-MW-15	EPA Mod. 3510C	635604	NWTPH-Dx	635890
10493246012	GW-070496.17-092519-BP-D1R	EPA Mod. 3510C	635604	NWTPH-Dx	635890
10493246013	GW-070496.17-092519-BP-MW-10	EPA Mod. 3510C	635604	NWTPH-Dx	635890
10493246014	GW-070496.17-092519-BP-MW-12	EPA Mod. 3510C	635604	NWTPH-Dx	635890
10493246015	GW-070496.17-092519-BP-MW-11	EPA Mod. 3510C	635604	NWTPH-Dx	635890
10493246001	GW-070496.17-092319-BP-MW-1	NWTPH-Gx	635808		
10493246002	GW-070496.17-092319-BP-MW-2	NWTPH-Gx	635808		
10493246003	GW-070496.17-092419-BP-LAI-13	NWTPH-Gx	635808		
10493246004	GW-070496.17-092419-BP-LAI-14	NWTPH-Gx	635808		
10493246005	GW-070496.17-092419-BP-MW-3	NWTPH-Gx	635808		
10493246006	GW-070496.17-092419-BP-MW-4	NWTPH-Gx	635808		
10493246007	GW-070496.17-092419-BP-MW-6	NWTPH-Gx	635808		
10493246008	GW-070496.17-092419-BP-MW-13	NWTPH-Gx	635808		
10493246009	GW-070496.17-092419-BP-MW-16	NWTPH-Gx	635808		
10493246010	GW-070496.17-092419-BP-FD-1	NWTPH-Gx	635808		
10493246011	GW-070496.17-092519-BP-MW-15	NWTPH-Gx	635808		
10493246012	GW-070496.17-092519-BP-D1R	NWTPH-Gx	635808		
10493246013	GW-070496.17-092519-BP-MW-10	NWTPH-Gx	635808		
10493246014	GW-070496.17-092519-BP-MW-12	NWTPH-Gx	636815		
10493246015	GW-070496.17-092519-BP-MW-11	NWTPH-Gx	635808		
10493246016	Trip Blank	NWTPH-Gx	635808		
10493246001	GW-070496.17-092319-BP-MW-1	EPA 8260B	635466		
10493246002	GW-070496.17-092319-BP-MW-2	EPA 8260B	635466		
10493246003	GW-070496.17-092419-BP-LAI-13	EPA 8260B	635466		
10493246004	GW-070496.17-092419-BP-LAI-14	EPA 8260B	635466		
10493246005	GW-070496.17-092419-BP-MW-3	EPA 8260B	635466		
10493246006	GW-070496.17-092419-BP-MW-4	EPA 8260B	635466		
10493246007	GW-070496.17-092419-BP-MW-6	EPA 8260B	635466		
10493246008	GW-070496.17-092419-BP-MW-13	EPA 8260B	635466		
10493246009	GW-070496.17-092419-BP-MW-16	EPA 8260B	635466		
10493246010	GW-070496.17-092419-BP-FD-1	EPA 8260B	635466		
10493246011	GW-070496.17-092519-BP-MW-15	EPA 8260B	635466		
10493246012	GW-070496.17-092519-BP-D1R	EPA 8260B	635466		
10493246013	GW-070496.17-092519-BP-MW-10	EPA 8260B	635466		
10493246014	GW-070496.17-092519-BP-MW-12	EPA 8260B	635466		
10493246015	GW-070496.17-092519-BP-MW-11	EPA 8260B	635466		
10493246016	Trip Blank	EPA 8260B	635466		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 70496 P66 Renton Terminal AOC
Pace Project No.: 10493246

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
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REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A
Required Client Information:
 Company: GHD Services Intc.
 Address: 20818 42nd Ave W, Suite 190
 Lynnwood, WA 98036
 Email: christina.mcclelland@ghd.com
 Phone: 425-563-6514
 Requested Due Date: STANDARD 10 Days

Section B
Required Project Information:
 Report To: Christina.joseph.lewandowski@ghd.com
 Copy To: eric.maise@ghd.com; jeffrey.stoud@ghd.com
 109emarle@ghd.com
 Purchase Order #:
 Project Name: P86 Renton Terminal AOC 5228
 Project #: 70496
 Requested Analysis Filtered (Y/N)

Section C
Invoice Information:
 Attention: apinvoices-340@ghd.com | Jeffrey Cloud
 Company Name: GHD Services Inc. 340
 Address: 2055 Niagara Falls Blvd. Niagara Falls, NY 14304
 Pace Quote:
 Pace Project Manager: jennifer.gross@pacelabs.com
 Pace Profile #: 40144 / 1
 State / Location: WA / Renton
 Regulatory Agency:

ITEM #	MATRIX CODE (see valid codes to left)	COLLECTED		SAMP. TYPE (G=GLAB C=COMP)	SAMP. TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES						ANALYSES TEST	Y/N	Residual	SAMPLE CONDITIONS	
		START DATE TIME	END DATE TIME				H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol					Other
1	GW-070496.17-092319-BP- MW-1	9/23 1315	9/23 1315	8	8	0	Unpreserved							X	X	X	001
2	GW-070496.17-092319-BP- MW-2	9/23 1410	9/23 1410	8	8	0								X	X	X	002
3	GW-070496.17-092419-BP- LAT-08	9/24 0840	9/24 0840	8	8	0								X	X	X	003
4	GW-070496.17-092419-BP- LAT-14	9/24 0930	9/24 0930	8	8	0								X	X	X	004
5	GW-070496.17-092419-BP- MW-3	9/24 1030	9/24 1030	8	8	0								X	X	X	005
6	GW-070496.17-092419-BP- MW-4	9/24 1110	9/24 1110	8	8	0								X	X	X	006
7	GW-070496.17-092419-BP- MW-6	9/24 1245	9/24 1245	8	8	0								X	X	X	007
8	GW-070496.17-092419-BP- MW-13	9/24 1330	9/24 1330	8	8	0								X	X	X	008
9	GW-070496.17-092419-BP- MW-16	9/24 1415	9/24 1415	8	8	0								X	X	X	009
10	GW-070496.17-092419-BP- MW-17																
11	GW-070496.17-092419-BP- FD-1	9/24	9/24											X	X	X	010

WO#: 10493246

10493246

ADDITIONAL COMMENTS:
 070496-2019-09 | 070496-C.P.-WA

RELINQUISHED BY / AFFILIATION:
 [Signature] 9/25/14 430
 [Signature] 9/22/14 855

ACCEPTED BY / AFFILIATION:
 [Signature] 9/25/14 1430
 [Signature] 9/22/14 855

DATE: 9-25-14 1430
 9-22-14 855

TIME: 430
 855

SAMPLER NAME AND SIGNATURE:
 [Signature]
 PRINT Name of SAMPLER:
 SIGNATURE of SAMPLER:

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: 25878 42nd Ave W, Suite 19C
 Phone: 425-563-6514
 Email: christina.maclelland@ghd.com

Required Project Information:
 Report To: Christina.Iosach.lewandowski@ghd.com
 Copy To: eric.maise@ghd.com; jeffrey.cloud@ghd.com; rosemans.boffits@ghd.com
 Project Name: P66 Renton Terminal ACC 5228
 Project #: 70496
 Requested Due Date: STANDARD 10 Days

Invoice Information:
 Attention: apinvalves-340@ghd.com | Jeffrey Cloud
 Company Name: GHD Services Inc - 340
 Address: 2055 Niagara Falls Blvd, Niagara Falls, NY 14304
 State / Location: WA / Renton
 Regulatory Agency:
 State / Location: WA / Renton
 Pace Profile #: 40144 / 1

Section B

Requested Analysis Filtered (Y/N)

Requested Analysis:
 Analytes Test: Y/N
 NWTH-GX: X
 NWTH-GX + Silica Gel: X
 8260 BTEX: X

Preservatives:
 H2SO4: X
 HNO3: X
 HCl: X
 NaOH: X
 Na2S2O3: X
 Methanol: X
 Other: X

ITEM #	MATRIX CODE	MATRIX TYPE (G=GRAB O=COMPI)	COLLECTED		DATE	TIME	# OF CONTAINERS	Requested Analysis Filtered (Y/N)								Residual Chrome (Y/N)	
			START DATE	END DATE				Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other		
1	6w-070496.17-092519-BP-MW-15		9/25 0930	9/25 0930	9/25	0930	8	X	X	X	X	X	X	X	X	X	
2	MS / MSD		9/25 0910	9/25 0915	9/25	0915	6	X	X	X	X	X	X	X	X	X	MS / MSD ON
3	6w-070496.17-092519-BP-MW-12		9/25 1030	9/25 1030	9/25	1030	8	X	X	X	X	X	X	X	X	X	09127114
4	6w-070496.17-092519-BP-MW-10		9/25 1110	9/25 1110	9/25	1110	8	X	X	X	X	X	X	X	X	X	043-012
5	6w-070496.17-092519-BP-MW-12		9/25 1230	9/25 1230	9/25	1230	8	X	X	X	X	X	X	X	X	X	044-013
6	6w-070496.17-092519-BP-MW-11		9/25 1310	9/25 1310	9/25	1310	8	X	X	X	X	X	X	X	X	X	045-014
7																	046-015
8																	
9																	
10																	
11																	
12																	

ADDITIONAL COMMENTS:
 070496-2019-09 | 070496-CP-WA

RELIQUISHED BY / AFFILIATION:
 [Signature] 9/25/19 1430

ACCEPTED BY / AFFILIATION:
 [Signature] 9/25/19 1430

SAMPLE CONDITIONS:
 DATE: 9/25/19
 TIME: 1430

SAMPLER NAME AND SIGNATURE:
 [Signature]

PRINT Name of SAMPLER:
 [Name]

SIGNATURE of SAMPLER:
 [Signature]

DATE Signed:
 9/25/19



Document Name:
Sample Condition Upon Receipt Form

Document No.:
F-MN-L-213-rev.29

Document Revised: 23Aug2019
Page 1 of 1

Issuing Authority:
Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name:
GHD Services, Inc.

Project #: **WO# : 10493246**

PM: JMG Due Date: 10/10/19
CLIENT: GHD_WA

Courier: Fed Ex UPS USPS Client
 Pace Speedee Commercial See Exceptions

Tracking Number: _____

Custody Seal on Cooler/Box Present? Yes No Seals Intact? Yes No Biological Tissue Frozen? Yes No N/A

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

Thermometer: T1(0461) T2(1336) T3(0459)
 T4(0254) T5(0489) Type of Ice: Wet Blue None Dry Melted

Note: Each West Virginia Sample must have temp taken (no temp blanks)

Temp should be above freezing to 6°C	Cooler Temp Read w/temp blank: <u>0.1, 1.2</u> °C	Average Corrected Temp (no temp blank only): <input type="checkbox"/> See Exceptions <input type="checkbox"/> 1 Container
Correction Factor: <u>+0.1</u>	Cooler Temp Corrected w/temp blank: <u>0.2, 1.3</u> °C	

USDA Regulated Soil: (N/A, water sample/Other: _____) Date/Initials of Person Examining Contents: **GNZ 9.27.19**

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 and Filled Out? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Relinquished? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Sampler Name and/or Signature on COC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Samples Arrived within Hold Time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	4.
Short Hold Time Analysis (<72 hr)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. <input type="checkbox"/> Fecal Coliform <input type="checkbox"/> HPC <input type="checkbox"/> Total Coliform/E coli <input type="checkbox"/> BOD/cBOD <input type="checkbox"/> Hex Chrome <input type="checkbox"/> Turbidity <input type="checkbox"/> Nitrate <input type="checkbox"/> Nitrite <input type="checkbox"/> Orthophos <input type="checkbox"/> Other
Rush Turn Around Time Requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7.
Correct Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
-Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Field Filtered Volume Received for Dissolved Tests? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10. Is sediment visible in the dissolved container? <input type="checkbox"/> Yes <input type="checkbox"/> No
Is sufficient information available to reconcile the samples to the COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11. If no, write ID/ Date/Time on Container Below: <input type="checkbox"/> See Exception
Matrix: <input checked="" type="checkbox"/> Water <input type="checkbox"/> Soil <input type="checkbox"/> Oil <input type="checkbox"/> Other	
All containers needing acid/base preservation have been checked? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12. Sample # <input type="checkbox"/> NaOH <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> Zinc Acetate
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , <2pH, NaOH >9 Sulfide, NaOH >12 Cyanide) <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Positive for Res. Chlorine? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> pH Paper Lot# <input type="checkbox"/> See Exception
Exceptions: <u>VOA, Coliform, TOC/DOC Oil and Grease, PRO/BD15 (water) and Dioxin/PFAS</u> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Res. Chlorine 0-6 Roll 0-6 Strip 0-14 Strip
Headspace in VOA Vials (greater than 6mm)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. NO headspace <input type="checkbox"/> See Exception
Trip Blank Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14. Pace Trip Blank Lot # (if purchased): 226040
Trip Blank Custody Seals Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

CLIENT NOTIFICATION/RESOLUTION

Person Contacted: _____ Date/Time: _____ Field Data Required? Yes No

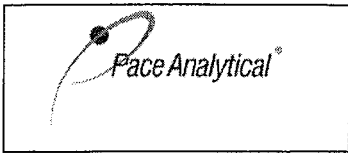
Comments/Resolution: _____

Project Manager Review:

Note: Whenever there is a discrepancy affecting 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, incorr...)

Date: 09/30/19

Labeled by: **GNZ**



Document Name:
SCUR Exception Form – Coolers Above 6°C

Document No.:
F-MN-C-298-Rev.02

Document Revised: 08Apr2019
Page 1 of 1

Issuing Authority:
Pace Minnesota Quality Office

During sample triage, this form is to be placed in each cooler that arrives above 6.0 degrees Celsius

SCUR Exceptions:

Workorder #:

Out of Temp Sample IDs	Container Type	# of Containers	PM Notified? <input type="checkbox"/> Yes <input type="checkbox"/> No															
			If yes, indicate who was contacted/date/time. If no, indicate reason why.															
			Multiple Cooler Project? <input type="checkbox"/> Yes <input type="checkbox"/> No															
			If you answered yes, fill out information to the left.															
			No Temp Blank															
			<table border="1"> <thead> <tr> <th>Read Temp</th> <th>Corrected Temp</th> <th>Average Temp</th> </tr> </thead> <tbody> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> </tbody> </table>	Read Temp	Corrected Temp	Average Temp												
Read Temp	Corrected Temp	Average Temp																

Tracking Number/Temperature			
7800	8876	4450	0.2
		4461	1.3

Other Issues		
Issue Type: Sample ID	Container Type	# of Containers

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preserv.	pH Upon Receipt	Date Adjusted	Time Adjusted	Amount Added (mL)	Lot # Added	pH After	In Compliance after addition? <input type="checkbox"/> Yes <input type="checkbox"/> No	Initials
								<input type="checkbox"/> Yes <input type="checkbox"/> No	
								<input type="checkbox"/> Yes <input type="checkbox"/> No	
								<input type="checkbox"/> Yes <input type="checkbox"/> No	
								<input type="checkbox"/> Yes <input type="checkbox"/> No	

Appendix E Data Validation



Memorandum

November 22, 2019

To: Christina McClelland Ref. No.: 070496

From: Jeffrey Cloud/eew/29-NF Tel: 206-914-3141

CC: Eric Maise, Brian Pauley

**Subject: Analytical Results and Reduced Validation of Report 10493246
Quarterly Groundwater Sampling
Phillips 66 – Renton Terminal
Renton, Washington
September 2019**

1. Introduction

This document details a reduced validation of analytical results for groundwater samples collected in support of the Quarterly Groundwater Sampling at the Renton Terminal site in Renton, Washington during September 2019. Samples were submitted to Pace Analytical Services, located in Minneapolis, Minnesota. A sample collection and analysis summary is presented in Table 1. A summary of the analytical methodology is presented in Table 2. The validated analytical results are summarized in Table 3.

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

The QA/QC criteria by which these data have been assessed are outlined in the analytical methods referenced in Table 2 and applicable guidance from the document entitled "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", United States Environmental Protection Agency (USEPA) 540 R 2016 002, September 2016.

2. Sample Holding Time and Preservation

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

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



3. Laboratory Method Blank Analyses

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

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

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation with the exception of a detection of motor oil range organics (ORO). The associated sample results were non-detect and were not impacted. No qualification of the data was deemed necessary.

4. Surrogate Spike Recoveries

In accordance with the methods employed, all samples, blanks, and QC samples analyzed for organics are spiked with surrogate compounds prior to sample extraction and/or analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

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

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

5. Laboratory Control Sample Analyses

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

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

The LCS and LCS/LCSD contained all analytes of interest. All LCS and LCS/LCSD recoveries and RPDs were within associated control limits, demonstrating acceptable analytical accuracy and precision (where applicable) with the exception of two high RPDs. The associated sample results were non-detect and were not impacted. No qualification of the data was deemed necessary.

6. Matrix Spike/Matrix Spike Duplicate Analyses

To evaluate the effects of sample matrices on the preparation process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analyte of concern



and analyzed as matrix spike/matrix spike duplicate (MS/MSD) samples. The RPD between the MS and MSD is used to assess analytical precision. MS/MSD analyses were performed as specified in Table 1.

The MS/MSD samples were spiked with the analytes of interest. All percent recoveries and RPD values were within the associated control limits, demonstrating acceptable analytical accuracy and precision.

7. Duplicate Sample Analyses

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

8. Field QA/QC Samples

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

Trip Blank Sample Analysis

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

Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, one field duplicate sample was collected and submitted "blind" to the laboratory, as specified in Table 1. The RPDs associated with the duplicate sample must be less than 50 percent. If the reported concentration in both the investigative sample and its duplicate are less than five times the reporting limit (RL), the evaluation criterion is one times the RL value.

All field duplicate results were within acceptable agreement, demonstrating acceptable sampling and analytical precision.

9. Analyte Reporting

The laboratory did not report any detected concentrations below the laboratory's RL. Non-detect results were presented as non-detect at the RL in Table 3.

10. Conclusion

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

Table 1

Sample Collection and Analysis Summary
Quarterly Groundwater Sampling
Phillips 66 - Renton Terminal
Renton, Washington
September 2019

Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	<u>Analysis/Parameters</u>			Comments
					DRO/ORO	GRO	VOCs	
GW-070496.17-092519-BP-D1R	D-1R	Water	09/25/2019	10:30	X	X	X	
GW-070496.17-092419-BP-LAI-13	LAI-13	Water	09/24/2019	08:40	X	X	X	
GW-070496.17-092419-BP-LAI-14	LAI-14	Water	09/24/2019	09:30	X	X	X	
GW-070496.17-092319-BP-MW-1	MW-1	Water	09/23/2019	13:15	X	X	X	DUP
GW-070496.17-092319-BP-MW-2	MW-2	Water	09/23/2019	14:10	X	X	X	DUP
GW-070496.17-092419-BP-MW-3	MW-3	Water	09/24/2019	10:30	X	X	X	
GW-070496.17-092419-BP-MW-4	MW-4	Water	09/24/2019	11:10	X	X	X	
GW-070496.17-092419-BP-MW-6	MW-6	Water	09/24/2019	12:45	X	X	X	
GW-070496.17-092519-BP-MW-10	MW-10	Water	09/25/2019	11:10	X	X	X	
GW-070496.17-092519-BP-MW-11	MW-11	Water	09/25/2019	13:10	X	X	X	
GW-070496.17-092519-BP-MW-12	MW-12	Water	09/25/2019	12:30	X	X	X	DUP
GW-070496.17-092419-BP-MW-13	MW-13	Water	09/24/2019	13:30	X	X	X	
GW-070496.17-092519-BP-MW-15	MW-15	Water	09/25/2019	09:30	X	X	X	DUP - MS/MSD
GW-070496.17-092419-BP-MW-16	MW-16	Water	09/24/2019	14:15	X	X	X	
GW-070496.17-092419-BP-FD-1	MW-16	Water	09/24/2019	--	X	X	X	FD (GW-070496.17-092419-BP-MW-16)
Trip Blank	--	Water	09/23/2019	--		X	X	Trip Blank

Notes:

- DUP - Laboratory Duplicate
- FD - Field Duplicate sample of sample in parenthesis
- MS/MSD - Matrix Spike/Matrix Spike Duplicate
- VOCs - Volatile Organic Compounds
- GRO - Gasoline Range Organics
- DRO/ORO - Diesel Range Organics/Motor Oil Range Organics
- "--" - Not Applicable

Table 2

**Analytical Methods
Quarterly Groundwater Sampling
Phillips 66 - Renton Terminal
Renton, Washington
September 2019**

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

Notes:

- (1) - SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions
- (2) - NWTPH - Referenced from "Washington State Department of Ecology Analytical Methods for Petroleum Hydrocarbons", Publication No. ECY 92-607, June 1997

Table 3

**Analytical Results Summary
Quarterly Groundwater Sampling
Phillips 66 - Renton Terminal
Renton, Washington
September 2019**

Location ID:	D-1R	LAI-13	LAI-14	MW-1
Sample Name:	GW-070496.17-092519-BP-D1R	GW-070496.17-092419-BP-LAI-13	GW-070496.17-092419-BP-LAI-14	GW-070496.17-092319-BP-MW-1
Sample Date:	09/25/2019	09/24/2019	09/24/2019	09/23/2019

Parameters	Unit	D-1R	LAI-13	LAI-14	MW-1
Volatile Organic Compounds					
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U
Total Petroleum Hydrocarbons					
Gasoline	µg/L	345	100 U	100 U	100 U
Motor oil	µg/L	417 U	392 U	392 U	400 U
Total Petroleum Hydrocarbons - Extractable (DRO)	µg/L	417 U	392 U	392 U	400 U

Table 3

**Analytical Results Summary
Quarterly Groundwater Sampling
Phillips 66 - Renton Terminal
Renton, Washington
September 2019**

Location ID:	MW-2	MW-3	MW-4	MW-6
Sample Name:	GW-070496.17-092319-BP-MW-2	GW-070496.17-092419-BP-MW-3	GW-070496.17-092419-BP-MW-4	GW-070496.17-092419-BP-MW-6
Sample Date:	09/23/2019	09/24/2019	09/24/2019	09/24/2019

Parameters	Unit				
Volatile Organic Compounds					
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U
Total Petroleum Hydrocarbons					
Gasoline	µg/L	100 U	100 U	100 U	100 U
Motor oil	µg/L	392 U	400 U	400 U	417 U
Total Petroleum Hydrocarbons - Extractable (DRO)	µg/L	392 U	400 U	400 U	417 U

Table 3

**Analytical Results Summary
Quarterly Groundwater Sampling
Phillips 66 - Renton Terminal
Renton, Washington
September 2019**

Location ID:	MW-10	MW-11	MW-12	MW-13
Sample Name:	GW-070496.17-092519-BP-MW-10	GW-070496.17-092519-BP-MW-11	GW-070496.17-092519-BP-MW-12	GW-070496.17-092419-BP-MW-13
Sample Date:	09/25/2019	09/25/2019	09/25/2019	09/24/2019

Parameters	Unit				
Volatile Organic Compounds					
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U
Total Petroleum Hydrocarbons					
Gasoline	µg/L	100 U	100 U	100 U	100 U
Motor oil	µg/L	417 U	400 U	400 U	400 U
Total Petroleum Hydrocarbons - Extractable (DRO)	µg/L	417 U	400 U	400 U	400 U

Table 3

**Analytical Results Summary
Quarterly Groundwater Sampling
Phillips 66 - Renton Terminal
Renton, Washington
September 2019**

	Location ID:	MW-15	MW-16	MW-16
	Sample Name:	GW-070496.17-092519-BP-MW-15	GW-070496.17-092419-BP-MW-16	GW-070496.17-092419-BP-FD-1
	Sample Date:	09/25/2019	09/24/2019	09/24/2019 Duplicate
Parameters	Unit			
Volatile Organic Compounds				
Benzene	µg/L	7.3	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U
Total Petroleum Hydrocarbons				
Gasoline	µg/L	159	100 U	100 U
Motor oil	µg/L	400 U	392 U	400 U
Total Petroleum Hydrocarbons - Extractable (DRO)	µg/L	400 U	392 U	400 U

Notes:

DRO - Diesel Range Organics

U - Not detected at the associated reporting limit



about GHD

GHD is one of the world's leading professional services companies operating in the global markets of water, energy and resources, environment, property and buildings, and transportation. We provide engineering, environmental, and construction services to private and public sector clients.

Christina McClelland
Christina.mcclelland@ghd.com
804-237-0303

Eric Maise
Eric.maise@ghd.com
425 563-6519

Dave Hempleman
david.hempleman@ghd.com
785.783.8982

www.ghd.com