

Second Quarter 2023 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**

Phillips 66

July 31, 2023

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Second Quarter 2023 Groundwater Monitoring and Operations & Maintenance Report

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2423 Lind Avenue Southwest
Renton, Washington
Agreed Order No. DE 11313
Facility Site I.D. No. 2070**

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

The opinions, conclusions and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

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1. Introduction

GHD has prepared this *Second Quarter 2023 Groundwater Monitoring and Operations & Maintenance Report* on behalf of Phillips 66 Company (P66) and BP for the P66 Renton Terminal located at 2423 Lind Avenue Southwest, Renton, Washington (the Site, Figure 1).

On September 28, 2015, ExxonMobil, P66, and the Washington State Department of Ecology (Ecology) entered into an Agreed Order (DE 11313) to implement remedial actions presented in the *Final Cleanup Action Report (CAP)*. The remedial actions included installation of a new dual-phase extraction (DPE) system and compound, operations and maintenance (O&M) of the system, and performance monitoring. Installation of the new DPE system was completed in May 2015, followed by a period of approximately one year of operation when it was shut down until October 2016 to implement system modifications. The modified DPE system operated intermittently between October 2016 and May 2017 and has been operating nearly continuously from May 2017 until the present. Groundwater monitoring has been conducted at the site since January 1993. Currently, since February 28, 2019, groundwater is gauged on a quarterly basis and sampled on a semi-annual basis, during the first and third quarters of each year. Groundwater was monitored on a quarterly basis prior to February 2019.

The purpose of this quarterly report is to present the remediation system monitoring results and evaluate the performance of the remedial action during the reporting period from April 1, 2023, to June 30, 2023. Additionally, this report includes groundwater monitoring results for the same 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).

2. Description of Remediation System and Operational Status

Groundwater, light non-aqueous phase liquid (LNAPL), and soil vapor are extracted from DPE wells and treated by a series of unit processes. The groundwater treatment system originally consisted of an oil-water separator (OWS), equalization (EQ) tank, air stripper, sediment filters, and carbon vessels. As part of a system improvement plan to increase operational up-time of the system, the air stripper was bypassed on May 4, 2020, and sediment filter bags were removed on May 22, 2020. In July 2019, select DPE wells were retrofitted with skimmer pumps to emphasize recovery of LNAPL while optimizing groundwater recovery necessary to maintain designed hydraulic control. In mid-2020, all the DPE extraction wells with skimmer pumps were converted back to total fluid pumps to enable full operation of the DPE system. Recovered LNAPL, skimmed from the top of the OWS, flows by gravity into a nearby 150-gallon temporary holding tank (PST-5201). If PST-5201 reached capacity, a transfer pump (either manually engaged or float-actuated) conveyed LNAPL from PST-5201 to a 10,000-gallon holding tank (PST-5202) for storage, pending periodic off-Site disposal and/or recycling. PST-5202 is empty and no longer being used to store LNAPL, as LNAPL in PST-5201 is removed and disposed of before the tank reaches capacity. The 10,000-gallon tank was a former fuel additive tank located within the terminal tank farm that had been permanently out of service for several years. This tank served to increase the capacity of recovered LNAPL that can be temporarily stored on-Site; however, LNAPL recovery rates have since decreased and the large volume tank is no longer needed. 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 5,000-pound carbon vessels. The treated water effluent is discharged to the sanitary sewer system under King County Discharge Authorization Permit 7910-02. Soil vapor is extracted from the DPE wells under vacuum using four rotary claw blowers. The soil vapor extracted from the DPE wells is treated by the thermal oxidizer. Effluent from the oxidizer is discharged to the atmosphere as authorized by the Puget Sound Clean Air Agency (PSCAA) discharge permit No. 11102.

During the current reporting period, the DPE system operated for approximately 1,918 hours out of a possible 2,160 hours between April 1, 2023, and June 30, 2023, with an up-time of approximately 89%. The following are the notable system shutdowns accounting for approximately 241 hours of down-time (27 hours were planned) that occurred during the reporting period:

- April 13, 2023: unplanned shutdown due to a compressor alarm and troubleshooting activities.
- April 17, 2023 to April 18, 2023: unplanned shutdown due to a compressor alarm and troubleshooting activities.
- May 24, 2023 to June 1, 2023: unplanned shutdown due to a pipe leak between the equalization tank and transfer pumps. The corroded pipe was repaired on June 1, 2023.
- June 5, 2023 to June 6, 2023: planned shutdown for well redevelopment activities.

During the second quarter 2023, the system processed groundwater, soil vapor, and LNAPL extracted from a combination of a minimum of two to a maximum of six of the following remediation wells: DPE-26, DPE-32, DPE-36, DPE-39, DPE-40, DPE-43, DPE-45, DPE-54, and DPE-57. Wells were brought on and offline as needed to optimize system operations. The active remediation wells are presented on Figure 2B. Groundwater extraction (GWE) system sampling analytical data are provided in Table 1 and GWE system operational data are provided in Table 2. Soil vapor extraction (SVE) system sampling analytical data are provided in Table 3 and SVE system operational data are provided in Table 4.

3. Second Quarter 2023 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 once to twice a week. A summary of the operational data collected from the DPE system is presented in Tables 2 and 4.

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

- Cleaning of valves and transfer pumps
- Cleaning and servicing of well pumps
- Cleaning of process tanks
- Air compressor maintenance
- Blower maintenance and cleaning
- Totalizer and process water piping cleaning
- Effluent line clearing and cleaning

Non-routine system maintenance and repair activities completed during this reporting period included the following:

- Replacement of the relay and relay base in the main compound compressor's alarm (AL-3101) control circuit.
- Replacement of a section of leaking pipe between the equalization tank and transfer pumps.

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 April 24, 2023, May 11 and May 24, 2023, and June 20, 2023. Each effluent compliance sample was analyzed for the following constituents: total petroleum hydrocarbons as gasoline (TPHg) by Ecology Method NWTPH-Gx, total

petroleum hydrocarbons as diesel (TPHd) and total petroleum hydrocarbons as motor oil (TPHo) by Ecology Method NWTPH-Dx; and benzene, toluene, ethylbenzene, and xylenes (collectively, BTEX) by United States Environmental Protection Agency (EPA) Method 8260B, and fats, oils, and grease (FOG) by EPA Method 1664A. The May 11, 2023, sample bottle for the effluent groundwater FOG analysis broke enroute to the lab, so effluent FOG in groundwater was resampled on May 24, 2023. In addition, a King County representative was onsite to collect an effluent sample and a 24-hour totalizer reading on May 18 and 19, 2023, respectively. 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 requirements. Laboratory analytical reports are presented in Appendix A. Treated groundwater compliance data for this and previous reporting periods are summarized on Table 1. Sampling results were submitted to King County on a monthly basis under King County Permit 7910-02. Copies of the April, May, and June 2023 King County Industrial Waste Monthly Self-Monitoring Reports are 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 by EPA Method TO-15. Compliance samples were collected on April 24, 2023, May 11, 2023, and June 20, 2023. 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 requirements. PSCAA permit air compliance sampling and analytical data are summarized on Table 3. The SVE system operational data summarized in Table 4 confirm that oxidizer compliance monitoring results were within the permit limits for operating at a flow rate less than 1,500 standard cubic feet per minute (SCFM), maintaining a minimum operating temperature of 1,400 degrees F, and achieving a destruction efficiency of greater than 97% when laboratory analyzed inlet concentrations are greater than 200 parts per million by volume (ppm_v).

5. Summary of System Performance

Total combined LNAPL, groundwater dissolved phases, and vapor phase petroleum hydrocarbons mass removal by the DPE system during this reporting period was approximately 703 pounds. Second quarter 2023 mass removal was higher than the first quarter 2023 mass removal of 384 pounds, likely due to increased uptime and vacuum. Extraction has remained focused on and around wells with measurable LNAPL with the goal of increasing SVE removal rates, while continuing to extract LNAPL. During the second quarter, the system removed an average of approximately 8 pounds per day.

During the second quarter measurable LNAPL continued to remain stable or decrease in extraction wells. The GWE system was able to continue to effectively lower the groundwater potentiometric level (groundwater table) in the area of the extraction wells and expose the smear zone created by seasonal groundwater table fluctuations. In addition, GHD increased the influent SVE vacuum and flow rate to achieve higher removal rates from the SVE system. Approximately 30% of extracted hydrocarbon mass was removed as LNAPL, 60% was removed from soil vapor, and 10% was removed from groundwater in the dissolved phase. Active and inactive extraction wells with historical measurable LNAPL detected during groundwater monitoring activities were gauged on a bi-weekly basis during the second quarter. Measurable LNAPL was detected in DPE-57 (1 foot) and DPE-26 (3 inches). No measurable LNAPL was detected in groundwater monitoring wells during the second quarter. The total volume of LNAPL removed during the reporting period was approximately 34 gallons. Estimated TPHg and benzene mass removal rates and cumulative mass removed since remediation by DPE began on May 8, 2015, are presented on Table 2 and Table 4, and are shown graphically on Figure 3 (TPHg) and Figure 4 (benzene). Cumulative LNAPL mass removal and/or removal rates from April 2015 to June 20, 2023, are shown graphically on Figure 5. LNAPL removal rates were not calculated prior to implementing the focused LNAPL recovery strategy implemented in July 2019.

During this 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 (From Totalizer)	Pounds of LNAPL Removed (OWS)	Pounds of TPH Removed (Dissolved Liquid Phase)	Pounds of TPH Removed (Vapor Phase)	Total Pounds of TPH Removed
Second Quarter 2023 Operation (Using lab data from April 24, 2023, to June 20, 2023)	383,320 ¹	209 ²	72	422	703
Cumulative Operation (Using lab data from May 8, 2015, to June 20, 2023 *)	15,520,428 ³	51,804 ⁴	6,556	114,095	172,455

¹Totalizer readings are from April 1, 2023 through June 30, 2023

²Pounds of LNAPL Removed from April 24, 2023 through June 20, 2023

³Totalizer readings are from May 8, 2015 through June 30, 2023

⁴Pounds of LNAPL Removed from May 8, 2015 through June 20, 2023

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

6. System Operation Conclusions and Planned Activities

The DPE system operated at approximately 89% up-time during the second quarter 2023, except for the shutdowns noted in Section 2.0.

The following activities are planned for the third quarter 2023:

- Replace the main compound air compressor;
- Evaluate LNAPL transmissivity and provide recommendations for using top inlet pumps or auto skimmers in wells with measurable LNAPL;
- Continue with DPE operation and adjust the system as necessary with the seasonal groundwater table fluctuations;
- Continue increased groundwater recovery and treatment by maintaining groundwater pumps and system components;
- Continue to focus extraction on wells with the highest PID readings and levels of measurable LNAPL. GHD will continue to gauge DPE extraction wells for LNAPL and obtain wellhead PID readings on a bi-weekly basis to focus on wells with persistent high concentrations and optimize mass removal; and
- Address bacterial iron fouling in the process piping and effluent line using mechanical or chemical cleaning methods.
- Replace the OWS anode during the next process tank cleanout

7. Second Quarter 2023 Groundwater Monitoring Field Activities

7.1 Hydraulic Monitoring

Second quarter 2023 hydraulic monitoring activities were conducted on May 15, 2023. Hydraulic monitoring activities consisted of measuring and recording depth to LNAPL, if present, and depth-to-groundwater from below the top of the well casing for 17 groundwater monitoring wells and six extraction wells. Hydraulic monitoring activities were conducted in accordance with the procedures outlined in Section 4.1 of the CMP and the modifications beginning in the first quarter 2019. Wells used in hydraulic monitoring are presented on Table 5. A copy of the field data sheet documenting the hydraulic monitoring data is presented in Appendix C.

7.2 Groundwater Sampling

Groundwater sampling was not required during the second quarter 2023. In accordance with the modifications implemented during the first quarter 2019, groundwater sampling has been reduced to a semi-annual frequency during the first and third quarters, with hydraulic monitoring continuing to be conducted on a quarterly basis.

7.3 Investigation Derived Waste

Investigation derived waste generated during the first quarter 2023 includes used oil from compressor and blower maintenance. This is currently scheduled for off-site disposal during the third quarter 2023. All personal protective equipment (PPE) that was generated this quarter was properly decontaminated and/or disposed in an appropriate trash receptacle onsite.

8. Groundwater Monitoring Results

The following sections present a summary of groundwater monitoring activities and results from the second quarter 2023 groundwater monitoring event.

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 and historical groundwater elevation data and LNAPL thicknesses are presented on Table 5. Groundwater flow direction in the Intermediate water-bearing zone is shown on Figure 6.

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

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

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

8.1.1 Intermediate Well Elevation Data, Flow Direction, and Gradient

Groundwater monitoring data collected during the second quarter 2023 is representative of conditions when the DPE system was operational. Groundwater extraction wells that were operating during the first quarter 2023 groundwater monitoring event included DPE-26, DPE-32, DPE-36, and DPE-39.

Based on the depth to water gauging activities, the highest groundwater elevation occurs in well B-4 (16.18 feet above mean sea level (amsl)), which is located approximately 50 feet west of the loading racks. The lowest groundwater elevation occurs in well MW-11 (11.64 feet amsl), located off-site to the north, approximately 90 feet north of the Terminal property boundary. The groundwater elevation within the loading racks area and to the north, where most of the active extraction wells are located, was between approximately 14 and 15 feet amsl at the time of the second quarter 2023 groundwater monitoring, conducted on May 15, 2023. Groundwater elevation contours are shown on Figure 6.

The groundwater elevation contours shown on Figure 6 indicate that the direction of groundwater flow beneath the Site is highly variable, which was expected due to the influence of pumping and groundwater extraction. Overall, groundwater elevation seems to be mounding in the vicinity of B-4, west of the loading racks, and dropping in elevation radially outward in all four cardinal directions, including toward the active extraction wells to the north, the loading racks to the east, and the tank farm to the south. A decrease in groundwater elevation was observed where the groundwater extraction wells that were operating during the first quarter 2023 (DPE-26, DPE-32, DPE-36, and DPE-39) are located.

8.1.2 LNAPL Thicknesses

During the second quarter 2023 gauging event, LNAPL was not observed in any of the monitoring wells or DPE wells that were gauged during this groundwater monitoring event. In-well LNAPL gauging is used to confirm the presence of LNAPL and evaluate mobility by comparing these measurements over time. The maximum LNAPL thickness beneath the Site has been reduced significantly since increased LNAPL recovery was initiated, and further so after reinitiating DPE with enhanced SVE, to the point that LNAPL thickness during the second quarter 2023 was only noted in wells DPE-26 (3 inches) and DPE-57 (1 foot). These wells are not included in the network of wells to be gauged during the third quarter 2023 monitoring event but are part of a network of wells that historically contained measurable LNAPL, which are gauged for the presence of LNAPL on a bi-weekly basis. The presence (or absence) of LNAPL will continue to be monitored to evaluate trends in occurrence and mobility.

9. Groundwater Monitoring Conclusions and Planned Activities

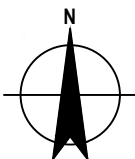
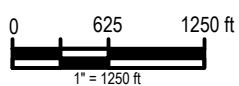
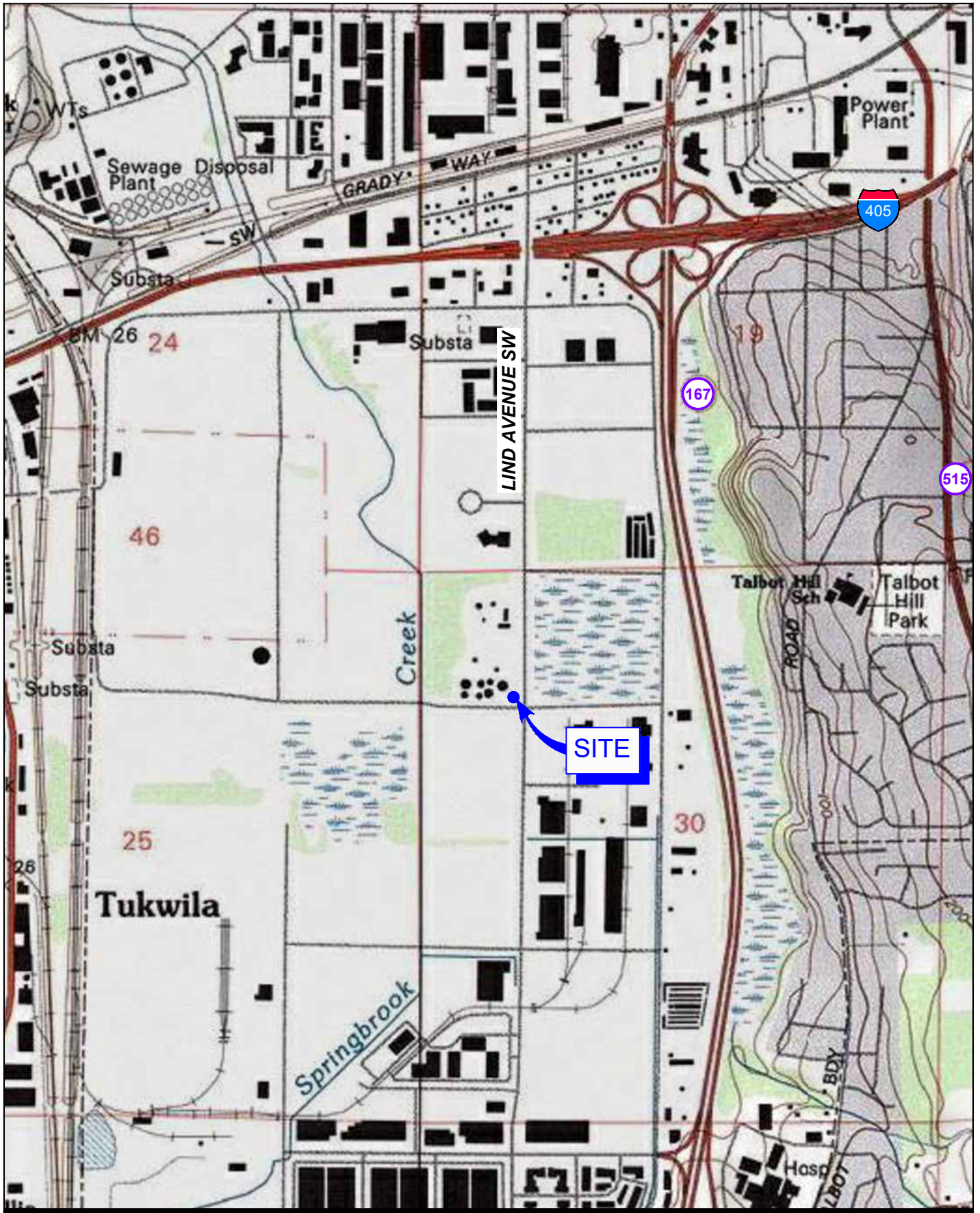
Groundwater elevation contours indicate that the groundwater flow direction beneath the Site is influenced by system operation and is variable, and the average groundwater elevation beneath the loading racks and its vicinity, where extraction efforts are focused, is approximately 14 to 15 feet amsl (Figure 6).

The monitoring well network will continue to be monitored and sampled in accordance with the CMP to assess the effectiveness of the DPE system. GHD will continue to gauge wells on a quarterly basis and sample selected wells on a semi-annual frequency to determine groundwater elevation and flow direction beneath the Site, and to monitor LNAPL thickness and the dissolved hydrocarbon plume extent and shape. In addition, bi-weekly gauging of extraction wells that historically or currently contain(ed) measurable LNAPL will continue during the third quarter 2023, and extraction efforts will be focused on and in the vicinity of these locations. The next scheduled groundwater monitoring event is scheduled to be conducted during the third quarter 2023.

10. Other Agreed Order Items

No Agreed Order items occurred during the second quarter 2023.

Figures

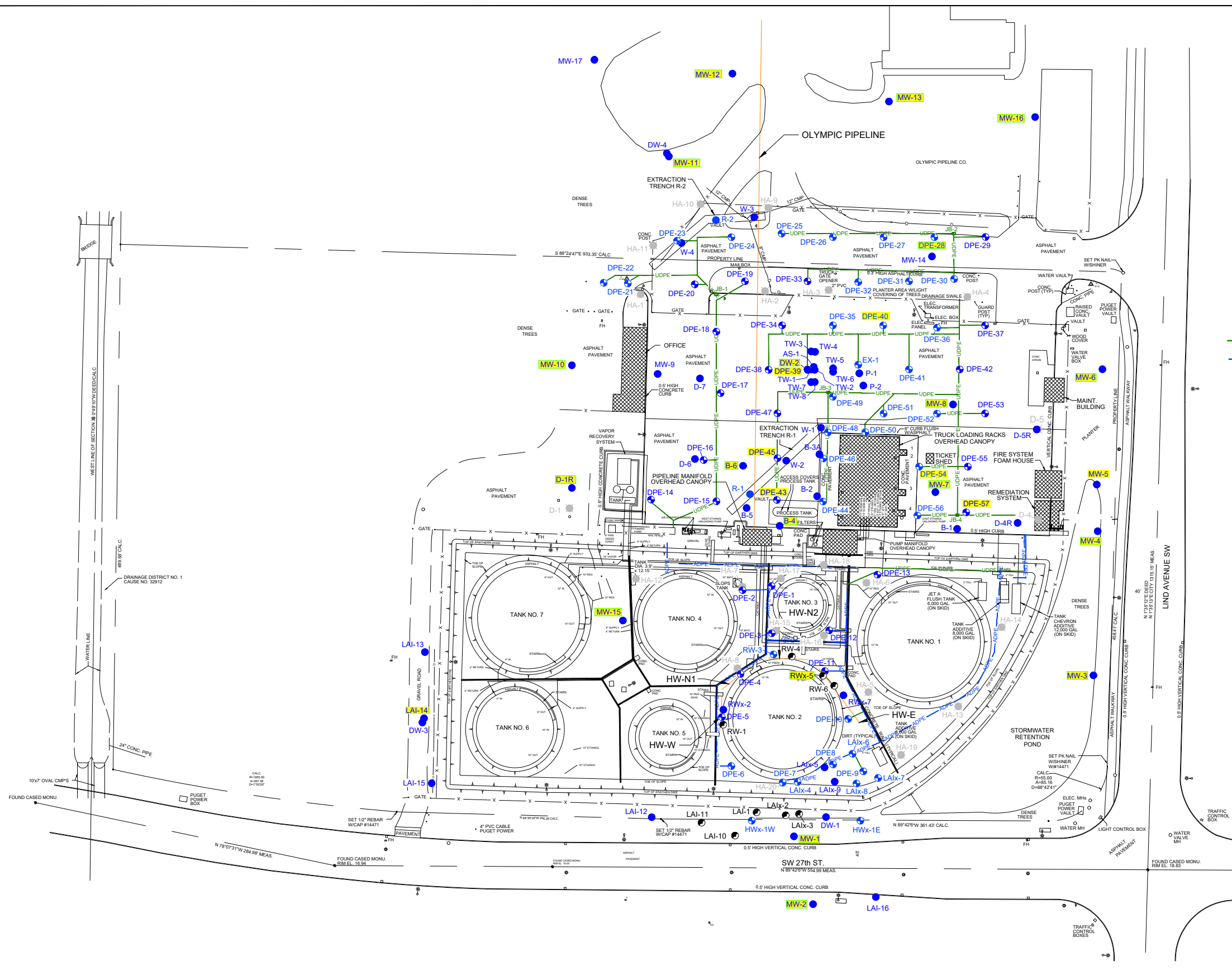


PHILLIPS 66 RENTON TERMINAL
 2423 LIND AVENUE SOUTHWEST
 RENTON, WASHINGTON

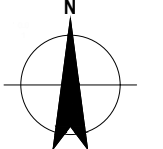
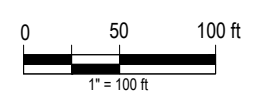
Project No. 12605516
 Date July 2023

VICINITY MAP

FIGURE 1



- LEGEND**
- B-1 ● MONITORING WELL LOCATION
 - D-4 ■ ABANDONED 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

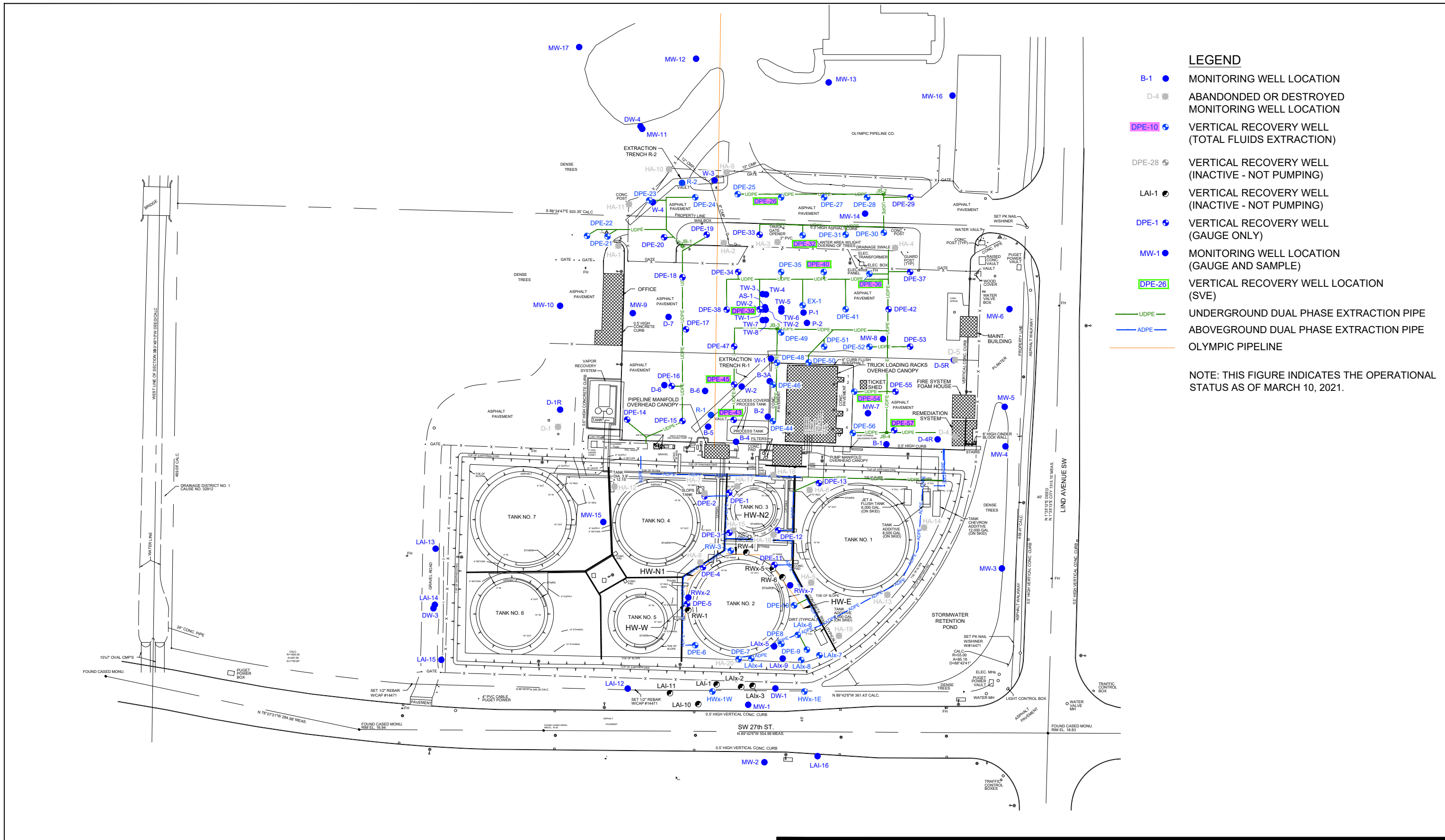


PHILLIPS 66 RENTON TERMINAL
2423 LIND AVENUE SOUTHWEST
RENTON, WASHINGTON

Project No. 12605516
Date July 2023

**SITE PLAN WITH MONITORING
LOCATIONS**

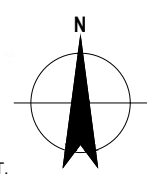
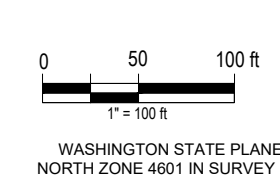
FIGURE 2A



LEGEND

- B-1 ● MONITORING WELL LOCATION
- D-4 ■ ABANDONDED OR DESTROYED MONITORING WELL LOCATION
- DPE-10 ● VERTICAL RECOVERY WELL (TOTAL FLUIDS EXTRACTION)
- DPE-28 ● VERTICAL RECOVERY WELL (INACTIVE - NOT PUMPING)
- LAI-1 ● VERTICAL RECOVERY WELL (INACTIVE - NOT PUMPING)
- DPE-1 ● VERTICAL RECOVERY WELL (GAUGE ONLY)
- MW-1 ● MONITORING WELL LOCATION (GAUGE AND SAMPLE)
- DPE-26 ● VERTICAL RECOVERY WELL LOCATION (SVE)
- UDPE — UNDERGROUND DUAL PHASE EXTRACTION PIPE
- ADPE — ABOVEGROUND DUAL PHASE EXTRACTION PIPE
- OLYMPIC PIPELINE

NOTE: THIS FIGURE INDICATES THE OPERATIONAL STATUS AS OF MARCH 10, 2021.



PHILLIPS 66 RENTON TERMINAL
 2423 LIND AVENUE SOUTHWEST
 RENTON, WASHINGTON

Project No. 12605516
 Date July 2023

SITE PLAN WITH ACTIVE REMEDIATION LOCATIONS

FIGURE 2B

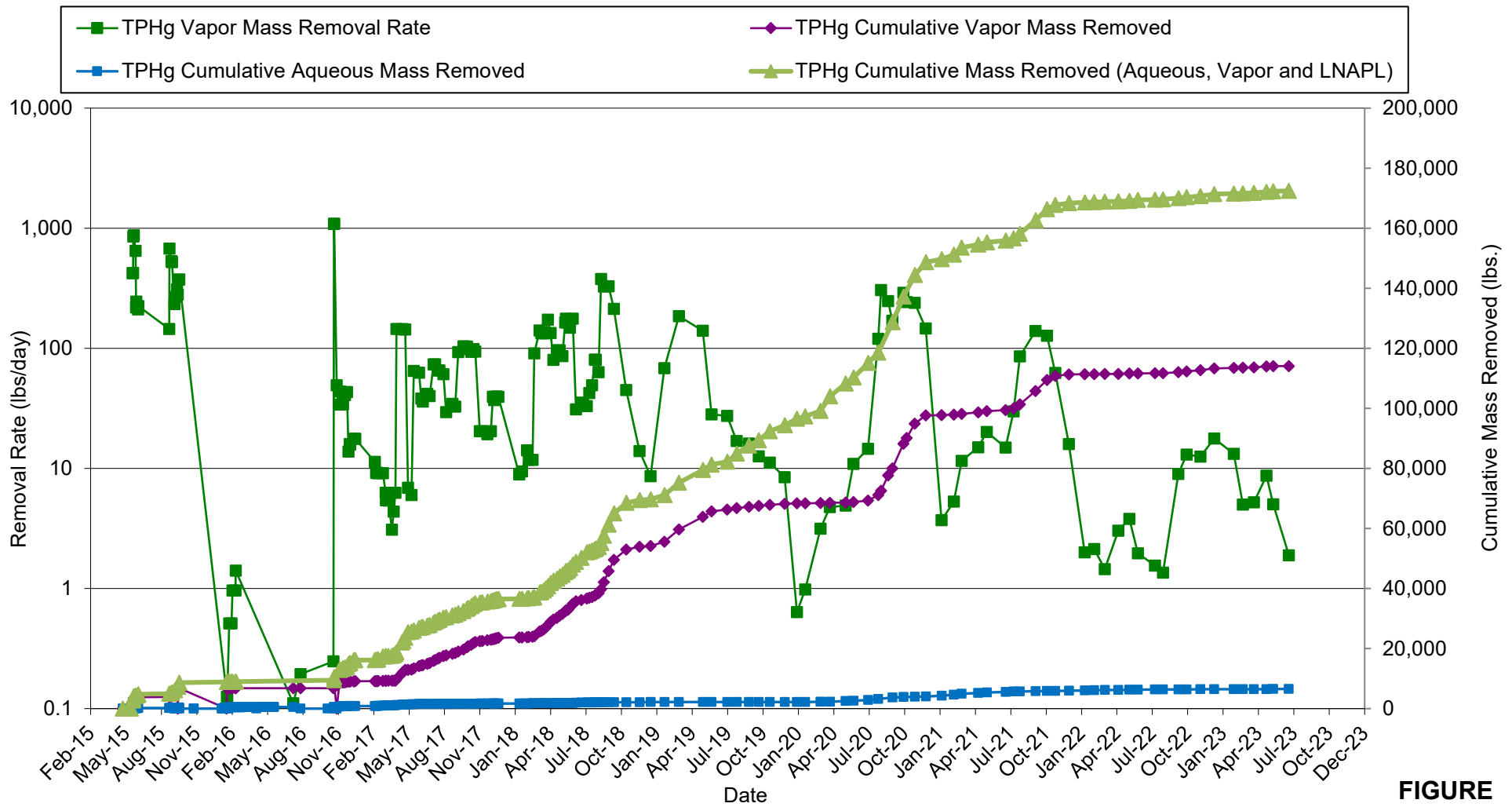


FIGURE 3

Phillips 66 Renton Terminal
 2423 Lind Avenue Southwest
 Renton, Washington



TPHg MASS REMOVAL VS. TIME

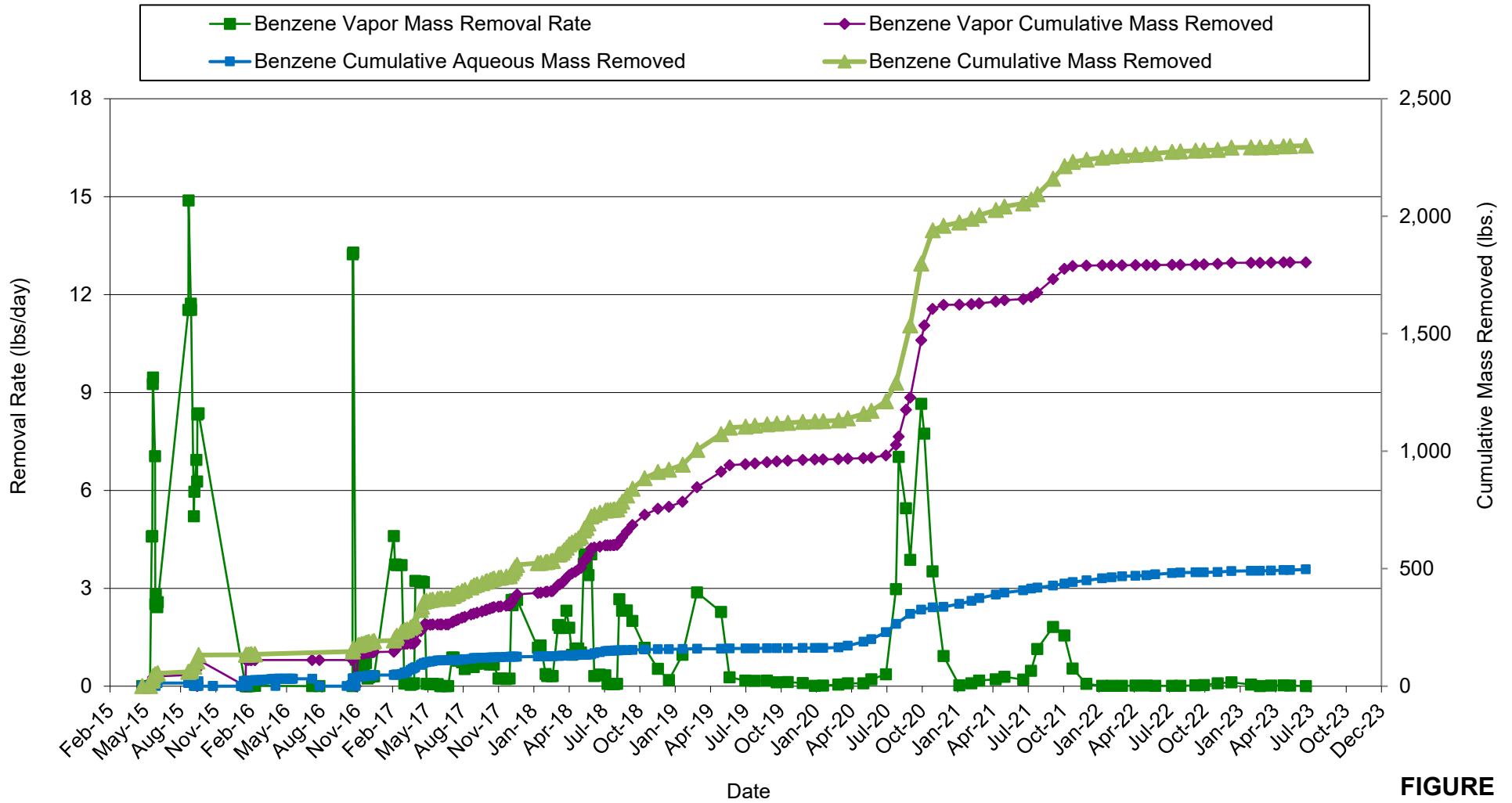


FIGURE 4

Phillips 66 Renton Terminal
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BENZENE MASS REMOVAL VS. TIME

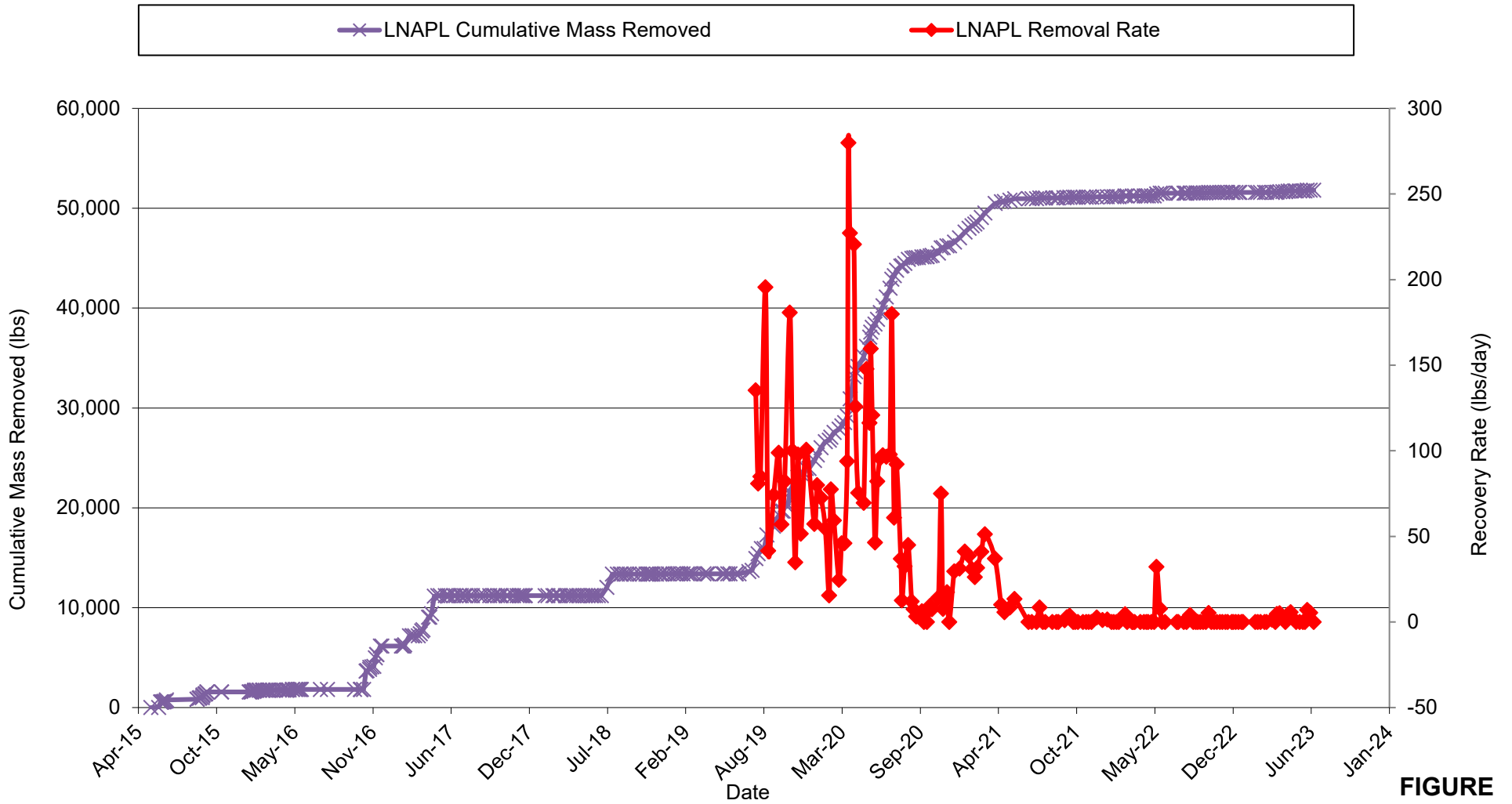
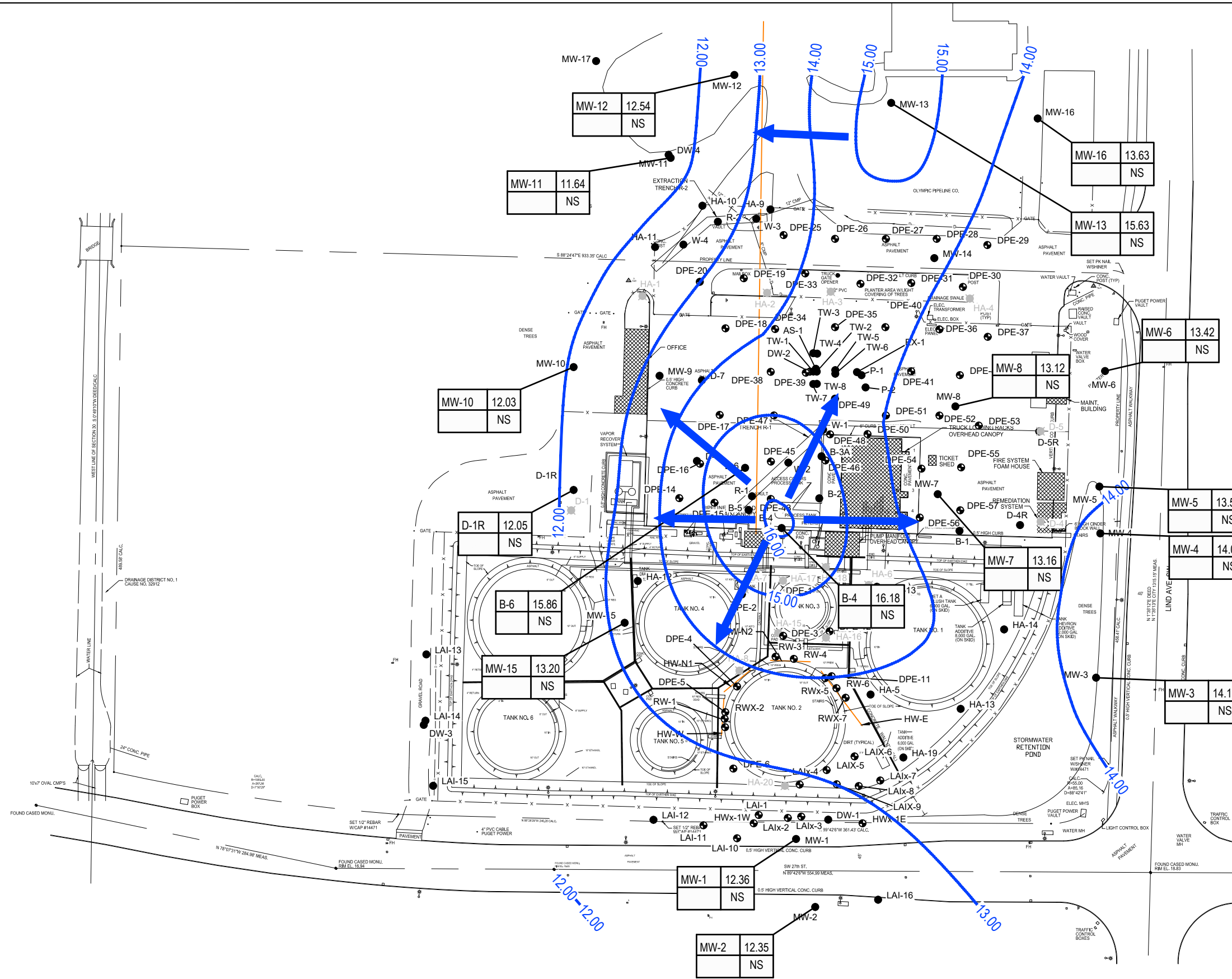


FIGURE 5

Phillips 66 Renton Terminal
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LNAPL MASS REMOVAL VS. TIME

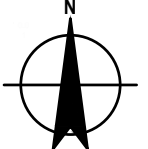
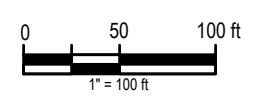


- LEGEND**
- ABANDONED OR DESTROYED MONITORING WELL LOCATION
 - /● FORMER REMEDIATION WELL LOCATION
 - DPE-1 ● VERTICAL RECOVERY WELL (GAUGE ONLY)
 - OLYMPIC PIPELINE
 - 13.00 — GROUNDWATER ELEVATION CONTOUR, DASHED WHERE INFERRED
 - ➔ GROUNDWATER FLOW DIRECTION

SAMPLE LOCATION

MW-16	13.63	GROUNDWATER ELEVATION RESULT (µg/L)
	NS	

- NOTES:**
1. GROUNDWATER ELEVATIONS ARE IN FEET ABOVE MEAN SEA LEVEL.
 2. NS = NOT SAMPLED.



PHILLIPS 66 RENTON TERMINAL
 2423 LIND AVENUE SOUTHWEST
 RENTON, WASHINGTON

GROUNDWATER ELEVATION CONTOUR MAP
 - INTERMEDIATE WATER-BEARING ZONE -
 MAY 15, 2023

Project No. 12605516
 Date July 2023

FIGURE 6

Tables

Table 1
Groundwater Extraction System Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Table with columns for Date, Influent, Influent-2 (Post-air stripper), Midfluent 1, Midfluent 2, and Effluent. Each column contains sub-columns for various chemical parameters (TPH, Benzene, Toluene, Ethylbenzene, Xylenes) and their concentrations in different units (Conc., µg/L). The table includes data for various dates from 05/08/15 to 06/01/22, with some rows marked as 'SYSTEM OFF' or 'Not sampled'.

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							pH ^a	FOG Conc. (µg/L)						
	TPHg Conc. (µg/L)	TPHd Conc. (µg/L)	TPHmo Conc. (µg/L)	Benzene Conc. (µg/L)	Toluene Conc. (µg/L)	Ethylbenzene Conc. (µg/L)	Xylenes Conc. (µg/L)	TPHg Conc. (µg/L)	TPHd Conc. (µg/L)	TPHmo Conc. (µg/L)	Benzene Conc. (µg/L)	Toluene Conc. (µg/L)	Ethylbenzene Conc. (µg/L)	Xylenes Conc. (µg/L)	TPHg Conc. (µg/L)	TPHd Conc. (µg/L)	TPHmo Conc. (µg/L)	Benzene Conc. (µg/L)	Toluene Conc. (µg/L)	Ethylbenzene Conc. (µg/L)	Xylenes Conc. (µg/L)	TPHg Conc. (µg/L)	TPHd Conc. (µg/L)	TPHmo Conc. (µg/L)	Benzene Conc. (µg/L)	Toluene Conc. (µg/L)	Ethylbenzene Conc. (µg/L)	Xylenes Conc. (µg/L)	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)								
07/14/22	28,000	1,700	<98	2,100	3,600	580	5,100	-	-	-	-	-	-	830	<95	<95	360	130	6.0	67.0	<100	<94	<94	<0.5	<1.0	<1.0	<2.0	<100	<95	<95	<0.5	<1.0	<1.0	<2.0	<100	<96	<96	<0.5	<1.0	<1.0	<2.0	6.6	<952
08/04/22	24,000	1,100	<93	2,100	3,100	510	6,100	-	-	-	-	-	-	<100	<100	<100	<0.5	<1.0	<1.0	<2.0	<100	<94	<94	6.6	2.9	<1.0	<2.0	<100	<96	<96	<0.5	<1.0	<1.0	<2.0	<100	<96	<96	<0.5	<1.0	<1.0	<2.0	6.8	<952
09/12/22	7,400	960	<93	82	190	72	1,900	-	-	-	-	-	-	<100	<100	<100	<0.5	<1.0	<1.0	<2.0	<100	<94	<94	6.3	1.4	<1.0	<2.0	<100	<96	<96	<0.5	<1.0	<1.0	<2.0	<100	<96	<96	<0.5	<1.0	<1.0	<2.0	6.8	<952
10/03/22	3,800	2,800	140	31	13	15	410	-	-	-	-	-	-	<100	<95	<95	<0.5	<1.0	<1.0	<2.0	<100	<95	<95	4.9	<1.0	<1.0	<2.0	<100	<94	<94	<0.5	<1.0	<1.0	<2.0	<100	<94	<94	<0.5	<1.0	<1.0	<2.0	6.9	<952
11/07/22	5,800	3,400	<97	770	150	120	1,000	-	-	-	-	-	-	<100	<100	<100	<0.5	<1.0	<1.0	<2.0	<100	<96	<96	4.8	<1.0	<1.0	<2.0	<100	<97	<97	<0.5	<1.0	<1.0	<2.0	<100	<97	<97	<0.5	<1.0	<1.0	<2.0	7.0	<952
12/12/22	29,000	1,100	<93	2,600	5,300	400	5,500	-	-	-	-	-	-	<100	<93	<93	<0.5	<1.0	<1.0	<2.0	<100	<94	<94	2.3	<1.0	<1.0	<2.0	<100	<96	<96	<0.5	<1.0	<1.0	<2.0	<100	<96	<96	<0.5	<1.0	<1.0	<2.0	6.9	<985
01/31/23	27,000	16,000	<94	3,700	770	590	5,300	-	-	-	-	-	-	<100	360	<93	<0.5	<1.0	<1.0	<2.0	<100	<97	<97	2.8	<1.0	<1.0	<2.0	<100	<100	<100	<0.5	<1.0	<1.0	<2.0	<100	<100	<100	<0.5	<1.0	<1.0	<2.0	6.9	<952
02/23/23	34,000	2,000	170	4,100	6,500	860	8,100	-	-	-	-	-	-	<100	<95	<95	<2.0	<4.0	<4.0	<8.0	<100	<96	<96	1.7	<2.0	<2.0	<4.0	<100	<100	<100	<0.5	<1.0	<1.0	<2.0	<100	<100	<100	<0.5	<1.0	<1.0	<2.0	6.9	<1,000
03/23/23	18,000	6,100	<95	2,100	1,300	470	5,700	-	-	-	-	-	-	<100	<95	<95	<1.0	<2.0	<2.0	<4.0	<100	<94	<94	2.6	<1.0	<1.0	<2.0	<100	<96	<96	<0.5	<1.0	<1.0	<2.0	<100	<96	<96	<0.5	<1.0	<1.0	<2.0	6.5	<1,000
04/24/23	22,000	14,000	<94	1,600	1,800	360	6,600	-	-	-	-	-	-	<100	<99	<99	<2.0	<4.0	<4.0	<8.0	<100	<96	<96	2.6	<1.0	<1.0	<2.0	<100	<97	<97	<0.5	<1.0	<1.0	<2.0	<100	<97	<97	<0.5	<1.0	<1.0	<2.0	7.0	1000
05/11/23	22,000	13,000	<95	1,100	1,300	360	4,600	-	-	-	-	-	-	<100	<97	<97	<2.0	<4.0	<4.0	<8.0	<100	<94	<94	3.1	<1.0	<1.0	<2.0	<100	<96	<96	<0.5	<1.0	<1.0	<2.0	<100	<96	<96	<0.5	<1.0	<1.0	<2.0	6.5	-
05/24/23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1050			
06/20/23	34,000	23,000	<940	2,700	5,700	920	8,400	-	-	-	-	-	-	<100	<96	<96	<2.0	<4.0	<4.0	<8.0	<100	<97	<97	2.6	<1.0	<1.0	<2.0	<100	<96	<96	<0.5	<1.0	<1.0	<2.0	<100	<96	<96	<0.5	<1.0	<1.0	<2.0	6.7*	<952
Regulatory Limits (µg/L):	N/A							N/A							N/A							N/A							<70	<1,400	<1,700	<2,200	5.5-12	<100,000									

Notes and Abbreviations:

- mm/dd/yy = month/day/year
- Conc. = concentration
- TPHg = total petroleum hydrocarbons quantified as gasoline
- TPHd = total petroleum hydrocarbons quantified as diesel
- TPHmo = total petroleum hydrocarbons quantified as motor oil
- FOG = fats, oil, and grease
- µg/L = micrograms per liter
- <X.X = not detected at or below the detection limit indicated
- NM = no measured
- TBD = Sample taken during this time and are awaiting results
- TPHg analyzed by Method NWTPHd-X.
- TPHd analyzed by Method NWTPHg-X.
- Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B.
- FOG analyzed by Method 1664 HEM.
- a = pH measured in the field.
- b = The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits. (D6)
- c = The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low. (CL)
- d = Analyte concentration exceeded the calibration range. The reported results is estimated. (E)
- e = Laboratory adjusted pH to 2. (1M)
- f = Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery. (M1)
- g = Analyte recovery in the matrix spike was outside QC limits for one or more of the constituents analytes used in the calculated result. (MS)
- h = Post-analysis pH measurements indicates insufficient VOA sample preservation. (pH)
- i = Result confirmed by second analysis. (CO)

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

Table with columns: Date (mm/dd/yy), Hour Meter, SV-3102, Total Uptime, Water Extraction (Totalizer Reading, Cumulative Flow, Average Flow Rate), LNAPL recovery (Cumulative recovery, Influent Conc., TPHg Removal, Cumulative Recovery), Benzene Removal (Influent Conc., Removal Rate, Cumulative Recovery). Rows include dates from 3/9/22 to 6/29/23 with various operational data points.

Maximum 2Q23 Flow Rate: 6,960 4.83

Regulatory Limits: <50,400 <35 Total recovery (pounds): 6,554 Total recovery (pounds): 497

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 (ug/L)]*[Average Flow Rate (gallons/minute)]/[3.785 (liters/gallon)]/[1440 (minutes/day)] / (1000000 (ug)/453.6 (g/b))
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
ug/L = micrograms p = liter
g = grams
cc = cubic centimeter
lb = pound
*Total Uptime is not = 0.73 g/cc TPHg
All readings and data = 0.88 g/cc Benzene
Product recovery calculation taken from http://www.handymath.com/cgi-bin/circleval25.cgi?submit=Entry

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

Date (mm/dd/yy)	Influent					Effluent				
	TPHg Conc. (ppmv)	Benzene Conc. (ppmv)	Toluene Conc. (ppmv)	Ethylbenzene Conc. (ppmv)	Xylenes Conc. (ppmv)	TPHg Conc. (ppmv)	Benzene Conc. (ppmv)	Toluene Conc. (ppmv)	Ethylbenzene Conc. (ppmv)	Xylenes Conc. (ppmv)
05/08/15	1,500	26.2 a	49.0	5.4	29.3	1.4	0.014 a	0.042	0.008	0.049
05/28/15	2,890	40.2 a	54.4	5.3	48.0	4.0	<0.019 a	0.045	<0.019	0.163
06/10/15	830	12.2 a	35.7	2.3	19.8	2.3	<0.018 a	0.049	<0.018	0.143
09/03/15	3,000	84.8 a	68.8	8.7	52.8	2.0	0.035 a	0.081	0.032	0.246
09/16/15	1,310	37.5 a	29.3	3.1	18.5	<1.7	<0.020 a	<0.020	<0.020	<0.040
01/27/16	2.3	0.080 a	0.17	0.019	0.16	<1.4	<0.017 a	<0.017	<0.017	<0.034
02/08/16	8.1	<0.10 a	0.49	0.11	1.13	<8.4	0.067 a	0.50	0.13	1.23
07/14/16	1.1	0.025 a	0.040	<0.0084	<0.0254	2.7	<0.0084 a	<0.0084	<0.0084	<0.0254
10/25/16	3,600	56.2 a	215	34.8	174.9	31.8	0.39 a	1.4	0.22	1.09
11/02/16	<213	<4.5 a	9.5	<1.8	13.0	<0.92	<0.019 a	<0.019	<0.0077	0.02
12/06/16	77.5	1.7 a	8.5	1.7	8.9	1.7	0.0011 a	0.0029	<0.00071	0.0016
01/01/17			SYSTEM OFF					SYSTEM OFF		
02/27/17	64.1	33.4 a	28.5	3.3	21.8	<20.3	<0.085 a	<0.170	<0.170	<0.510
03/27/17	30.7	0.56 a	2.2	0.15	1.35	0.89	0.0032	0.0046	<0.00077	0.0038
04/25/17	712	20.3 a	37.9	4.3	27.6	0.72	0.0084	0.015	0.0016	0.0094
05/11/17	34.3	0.44 a	1.6	0.19	1.76	0.89	0.0007	0.020	<0.00056	0.00248
06/08/17	174	<0.0037 a	9.8	0.89	17.3	4.2	0.0059	0.028	0.021	0.127
07/10/17	318	4.9 a	10.1	2.3	17.8	1.5	0.0051	0.013	0.0042	0.036
08/23/17	143	3.3 a	4.1	0.7	5.1	2.4	0.0060	0.015	0.0034	0.0272
09/22/17	452	4.3 a	3.1	1.2	13.4	2.7	0.0047	0.80	0.0033	0.0225
10/16/17	409	3.7 a	5.4	0.93	7.7	<0.19	0.0035	0.0056	0.0017	0.0094
11/20/17	89.3	1.3 a	2.2	0.32	3.56	2	0.0030	0.0098	0.0043	0.1370
12/11/17	183	15.7 a	16.5	1.2	5.6	0.52	0.011	0.0065	0.00053	0.0025
01/01/18			SYSTEM OFF					SYSTEM OFF		
02/16/18	41.5	7 a	16.2	0.51	11.97	2	0.0048	0.038	0.003	0.0121
03/13/18	61.7	2.1 a	3.5	0.54	3.5	0.87	0.0017	0.0016	<0.00039	0.00167
04/17/18	760	13 a	38.9	12.9	71.8	0.6	0.011	0.04	0.0031	0.0139
05/16/18	423	6.5 a	13.2	4.5	32.8	0.53	0.0038	0.0053	0.017	0.086
06/13/18	929	27.3 a	65.8	11.9	79.3	0.83	0.0066	0.0083	0.0011	0.0055
07/17/18	164	2.12 a	3.17	0.971	9.26	0.751	0.003	0.198	0.0011	0.005
08/13/18	<6.64	0.433 a	0.831	0.132	0.958	<0.241	0.0196	0.0545	0.0103	0.0972
09/12/18	1,880	17 a	20.1	5.66	45.4	1.2	0.0128	0.0114	0.0021	0.015
10/08/18	371	10.1 a	13	2.51	18.96	1.3	0.0118	0.0224	0.0082	0.0658
11/08/18	70.3	4.72 a	3.29	0.823	7.79	0.321	0.003	0.0019	0.00065	0.0048
12/10/18	67.1	1.97 a	4.35	0.716	6.93	0.544	0.00097	0.0021	0.00062	0.0049
01/09/19	19.3	0.415 a	1.23	0.187	1.06	0.642	0.0029	0.0031	<0.00042	0.00232
02/13/19	613	11 a	36.1	5.46	38.58	0.743	0.0014	0.0047	0.0011	0.008
03/22/19	1,190	24.8 a	37.5	7.51	50.4	0.588	0.0027	0.0034	0.0007	0.0045
04/03/19			SYSTEM OFF FOR OXIDIZER REPAIR					SYSTEM OFF FOR OXIDIZER REPAIR		
05/22/19	115	2.3 a	6.2	1.06	7.51	0.693	0.0039	0.0068	0.0013	0.0041
06/13/19	136	0.819 a	3.67	1.10	7.14	2.68	0.0447	0.0434	0.0262	0.0838
07/23/19	104	1.08 a	2.14	0.768	5.15	0.9	0.0018	0.0063	0.00074	0.0056
08/16/19	42.3	0.759 a	0.877	0.187	1.268	2.05	0.004	0.0037	0.001	0.0049
09/16/19	97.1	1.12 a	1.31	0.352	1.893	0.67	0.0032	0.0060	0.00094	0.0073
10/11/19	13.3	0.196 a	0.471	0.155	0.990	1.09	0.0008	0.0171	<0.0004	<0.0012
11/08/19	113	1.610 a	7.17	1.39	9.22	0.093	0.0041	0.0059	0.00075	0.00363
12/16/19	3.01	0.0758 a	0.106	0.0131	0.0825	0.207	0.00071	0.0016	0.00046	0.0019
01/16/20	5.69	0.174	0.175	0.0338	0.2238	<0.0402	0.00029	0.0005	<0.00034	0.00081
02/06/20	7.25	0.133	0.206	0.0371	0.256	0.270	0.0003	0.00048	<0.00035	<0.00106
03/16/20	31.5	0.696	1.240	0.174	1.047	0.124	0.0027	0.0027	<0.00036	0.00167

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)
04/09/20	25.6	0.638	1.140	0.133	0.819	0.259	0.0074	0.0059	<0.00035	0.00171
05/19/20	34.9	0.783	1.110	0.172	1.003	0.372	0.0054	0.0038	0.00051	0.00314
06/08/20	102	2.620	2.960	0.340	1.976	<0.0816	0.0028	0.0018	<0.00034	0.00072
07/15/20	80.7	3.250	3.520	0.305	1.859	3.50	0.0101	0.0256	0.0042	0.0259
08/10/20	1,300	40.60	50.80	5.720	48.0	10.50	0.126	0.267	0.047	0.479
08/17/20	2,080	59.0	99.30	7.670	60.5	-	-	-	-	-
09/04/20	342	9.530	13.40	1.070	10.48	-	-	-	-	-
09/15/20	1,280	37.90	54.30	3.560	40.91	2.14	0.0301	0.0621	0.0097	0.1172
10/13/20	1,430	65.70	67.10	5.460	61.0	0.496	0.0235	0.0179	0.0033	0.0373
10/21/20	980	32.70	43.10	4.810	74.3	-	-	-	-	-
11/11/20	1,310	10.60	16.60	2.170	37.8	1.770	0.0183	0.0140	0.0014	0.0248
12/09/20	23	0.195	0.478	0.0730	0.632	1.240	0.573	0.0895	0.0025	0.0331
01/18/21	11	0.130	0.427	0.0585	0.457	0.341	0.00062	0.0020	0.00061	0.0054
02/18/21	38.2	0.874	1.970	0.300	2.404	0.500	0.0022	0.0039	0.00045	0.00301
03/10/21	73.8	1.270	3.100	0.396	2.801	0.133	0.0015	0.0037	0.00076	0.0066
04/21/21	70.8	1.350	2.890	0.459	3.261	0.979	0.0067	0.0285	0.0116	0.1064
05/13/21	114	2.000	3.410	0.356	3.970	1.640	0.0059	0.0169	0.0037	0.0523
06/30/21	21.2	0.321	0.460	0.0719	0.797	1.280	0.4190	0.0494	0.00078	0.0144
07/20/21	245	5.090	9.210	0.705	13.26	0.514	0.0063	0.0067	0.00070	0.0074
08/05/21	612	9.540	15.10	1.710	22.69	3.070	0.0302	0.0524	0.01400	0.1602
09/14/21	800	14.0	19.0	1.90	24.0	2.2	0.039	0.06	0.010	0.017
10/13/21	490	6.2	11.0	1.20	16.0	3.2	0.017	0.02	0.0018	0.020
11/03/21	140	0.8	1.2	0.10	1.8	<1.0	0.0056	0.0081	0.00063	0.0083
12/08/21	9	0.1	0.2	0.04	0.3	<1.0	0.0006	0.0012	<0.0005	0.0042
01/17/21	9	0.1	0.2	0.03	0.2	1.6	0.0006	0.0018	<0.0005	<0.0025
02/10/22	11	0.1	0.1	0.04	0.2	<1.0	0.0006	0.0016	<0.0005	<0.0025
03/09/22	3.7	0.1	0.3	0.05	0.4	<1.0	0.0006	0.0009	<0.0005	<0.0025
04/12/22	28.0	0.2	0.5	0.11	0.6	<1.0	0.0012	0.0010	<0.0005	<0.0025
05/10/22	10.0	0.1	0.2	0.074	0.6	<1.0	<0.0005	0.0007	<0.0005	<0.0030
06/01/22	10.0	0.1	0.3	0.079	0.5	<1.0	0.0007	0.0015	<0.0005	<0.0025
07/14/22	5.4	0.1	0.2	0.029	0.2	<1.0	0.0013	0.0011	<0.0005	<0.0025
08/04/22	6.6	0.1	0.2	0.028	0.2	1.1	0.0011	0.0008	<0.0005	<0.0025
09/12/22	84.0	0.3	0.2	0.230	0.7	1.3	0.0022	0.0012	<0.0005	<0.0025
10/03/22	40.0	0.1	0.02	0.079	0.1	<1.0	<0.0005	0.0009	0.0006	<0.0025
11/07/22	77.0	0.9	0.77	0.260	1.1	<1.0	<0.0005	0.0010	<0.0005	<0.0025
12/12/22	99.0	0.6	1.10	0.220	1.4	<1.0	0.0017	0.0017	<0.0005	<0.0025
01/31/23	40.0	0.005	0.003	0.001	0.012	1.5	0.0006	0.0006	<0.0005	<0.0025
02/23/23	4.5	0.072	0.250	0.062	0.400	<1.0	<0.0005	<0.0005	<0.0005	<0.0025
03/23/23	42.0	0.160	0.220	0.041	0.340	<1.0	<0.0005	<0.0005	<0.0005	<0.0025
04/24/23	36.0	0.180	0.320	0.078	0.700	1.2	0.0006	0.0008	<0.0005	0.0006
05/11/23	8.6	0.018	0.095	0.047	0.350	<1.0	<0.0005	0.0025	0.00064	0.0031
06/20/23	8.3	0.025	0.095	0.024	0.170	<1.0	<0.0005	0.0009	<0.0005	<0.0025
Regulatory Limits (ppmv):			N/A					N/A		

Notes and Abbreviations:

mm/dd/yy = month/day/year

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)

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.

a = Sample was transferred from a sampling bag into a Summa Canister within 48 hours of collection.

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 Pressure (in. WC)	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)
9/26/2022	43,203	100%	9.0	122	9.0	0.45	572	150	146.3	NM	1,416	835	13	112,343	0.24	98%	0.03	1,795	0.00022	
10/3/2022	43,375	100%	7.0	95	7.0	0.50	598	160	104.5	40	1,479	884								
10/10/2022	43,544	100%	7.0	95	7.0	0.45	570	155	64.7	NM	1,476	881								
10/17/2022	43,714	100%	6.0	82	6.0	0.45	572	150	54.2	NM	1,415	842	13	112,689	0.21	98%	0.09	1,797	8.36983E-05	
10/24/2022	43,886	100%	5.5	75	5.5	0.35	505	150	87.9	NM	1,417	840								
11/1/2022	43,889	2%	5.0	68	5.0	0.50	603	150	24.5	NM	1,407	851								
11/7/2022	44,037	100%	10.0	136	10.0	0.50	603	150	64.9	77	1,403	854	13	112,689	0.21	98%	0.09	1,797	8.36983E-05	
11/15/2022	44,230	100%	5.0	68	5.0	0.50	603	150	14.0	NM	1,411	854								
11/21/2022	44,378	100%	11.0	150	11.0	0.50	603	150	50.6	NM	1,412	854								
12/1/2022	44,622	100%	10.0	136	10.0	0.35	505	150	2.5	NM	1,437	852	18	113,322	0.20	99%	0.12	1,802	0.000173115	
12/5/2022	44,719	100%	10.0	136	10.0	0.30	467	150	33.3	NM	1,418	844								
12/12/2022	44,892	100%	11.0	150	11.0	0.30	463	160	30.2	99	1,408	842								
12/19/2022	45,058	99%	7.0	95	7.0	0.30	467	150	42.0	NM	1,404	844	13	113,475	0.24	98%	0.05	1,802	0.000168126	
12/22/2022	NM	97%	System down due to frozen pipes.																	
12/30/2022	NM	0%	System down due to runaway temperatures on oxidizer.																	
1/31/2023	45,170	11%	3.0	41	3.0	0.50	603	150	2.9	40	1,405	923	5	113,588	0.28	94%	0.01	1,802	9.30295E-05	
2/6/2023	45,314	100%	5.0	68	5.0	0.50	603	150	2.9	NM	1,403	924								
2/13/2023	45,485	100%	5.0	68	5.0	0.50	603	150	2.0	NM	1,403	921								
2/23/2023	45,710	93%	5.0	68	5.0	0.50	603	150	59.8	5	1,405	920	9	113,949	0.25	97%	0.03	1,804	9.23882E-05	
2/28/2023	45,855	100%	5.0	68	5.0	0.50	603	150	9.5	NM	1,402	922								
3/6/2023			System down for blower motor replacement.																	
3/15/2023	45,908	15%	5.0	68	5.0	0.50	603	150	10.0	NM	1,405	908	5	113,673	0.23	96%	0.02	1,803	8.77637E-05	
3/23/2023	46,100	95%	5.0	68	5.0	0.50	603	150	15.2	42	1,408	912								
3/27/2023	46,198	100%	5.0	68	5.0	0.51	609	150	1.9	NM	1,404	911								
4/3/2023	46,371	100%	5.0	68	5.0	0.45	572	150	2.2	NM	1,403	915	5	114,036	0.25	95%	0.02	1,804	9.30295E-05	
4/11/2023	46,563	100%	6.0	82	6.0	0.50	603	150	2.6	NM	1,402	914								
4/18/2023	46,714	88%	5.0	68	5.0	0.50	603	150	2.6	NM	1,408	906								
4/24/2023	46,861	100%	6.0	82	6.0	0.50	603	150	12.6	36	1,408	910	9	113,949	0.25	97%	0.03	1,804	9.23882E-05	
5/1/2023	47,031	100%	5.0	68	5.0	0.50	603	150	3.7	NM	1,405	913								
5/11/2023	47,273	100%	6.0	82	6.0	0.50	603	150	9.8	9	1,408	910								
5/15/2023	47,372	99%	6.0	82	6.0	0.50	591	175	5.3	NM	1,405	913	2	114,095	0.22	88%	0.00	1,804	8.731E-05	
5/24/2023	47,590	100%	7.0	95	7.0	0.50	603	150	3.9	NM	1,408	911								
6/1/2023	47,593	2%	6.0	82	6.0	0.50	603	150	8.3	NM	1,405	909								
6/6/2023	47,684	78%	6.0	82	6.0	0.50	603	150	7.9	NM	1,406	902	2	114,095	0.22	88%	0.00	1,804	8.731E-05	
6/12/2023	47,830	100%	7.0	95	7.0	0.50	596	165	8.0	NM	1,406	911								
6/20/2023	48,024	100%	7.0	95	4.0	0.50	601	155	2.4	8	1,407	914								
6/29/2023	48,244	100%	7.0	95	7.0	0.40	533	165	3.4	NM	1,405	912								
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
 TPHH = Total Purgeable Petroleum Hydrocarbon analyzed by method NWTPHg-X
 °F = Degrees Fahrenheit
 NA = Not applicable
 NM = not measured
 NS = Not sampled
 L = liter
 gpm = gallon per minute
 µg/L = 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 values were 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
 Molecular weight of TPHg = 100 lb/lb-mole
 Molecular weight of benzene = 78 lb/lb-mole
 Molecular weight of toluene = 92
 Molecular weight of ethylbenzene = 106
 Molecular weight of xylene = 106

Table 5

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

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

Table 5

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

W-1	4/27/1995	18.86	--	--	--	6.75	12.11	--
W-1	5/15/1995	18.86	--	--	0.39	6.88	12.27	--
W-1	6/16/1995	18.86	--	--	0.45	7.34	11.86	--
W-1	8/25/1995	18.86	--	--	0.18	7.89	11.11	--
W-1	10/20/1995	18.86	--	--	0.12	8.60	10.35	--
W-1	4/4/1996	18.86	--	--	0.07	5.81	13.10	--
W-1	4/16/1996	18.86	--	--	0.12	5.07	13.88	--
W-1	5/10/1996	18.86	--	--	0.09	4.75	14.18	--
W-1	5/15/1996	18.86	--	--	0.11	4.74	14.20	--
W-1	5/22/1996	18.86	--	--	0.07	8.08	10.83	--
W-1	6/5/1996	18.86	--	--	0.02	8.12	10.76	--
W-1	6/24/1996	18.86	--	--	0.01	8.28	10.59	--
W-1	7/15/1996	18.86	--	--	0.08	8.52	10.40	--
W-1	8/23/1996	18.86	--	--	--	8.63	10.23	--
W-1	9/18/1996	18.86	--	--	--	8.63	10.23	--
W-1	1/3/1997	18.86	--	--	--	4.97	13.89	--
W-1	3/12/1997	18.86	--	--	--	8.08	10.78	--
W-1	4/2/1997	18.86	--	--	0.03	8.14	10.74	--
W-1	5/1/1997	18.86	--	--	--	8.18	10.68	--
W-1	8/19/1997	18.86	--	--	--	8.57	10.29	--
W-1	9/17/1997	18.86	--	--	--	8.20	10.66	--
W-1	4/30/1998	18.86	--	--	0.08	6.70	12.22	--
W-1	7/28/1999	18.86	--	--	0.12	7.18	11.77	--
W-1	5/23/2000	18.86	--	--	--	6.91	11.95	--
W-1	5/24/2001	18.86	--	--	0.01	8.45	10.42	--
W-1	6/5/2002	18.86	--	--	--	6.42	12.44	--
W-1	5/29/2003	18.86	--	--	sheen	7.91	10.95	--
W-1	6/16/2004	18.86	--	--	0.02	7.65	11.23	--
W-1	6/20/2005	18.86	--	--	--	6.31	12.55	--
W-1	6/5/2006	18.86	--	--	--	5.99	12.87	--
W-1	10/23/2006	18.86	--	--	--	8.22	10.64	--
W-1	3/14/2007	21.89	--	--	--	5.41	16.48	--
W-1	9/10/2007	21.89	--	--	--	8.63	13.26	--
W-1	11/28/2007	21.89	--	--	--	8.62	13.27	13.27
W-1	12/13/2007	21.89	--	--	--	6.92	14.97	14.97
W-1	1/21/2008	21.89	--	--	--	8.00	13.89	13.89
W-1	2/24/2008	21.89	--	--	--	6.65	15.24	15.24
W-1	3/24/2008	21.89	--	--	--	7.37	14.52	14.52
W-1	6/2/2008	21.89	--	--	--	8.49	13.40	--
W-1	8/25/2008	21.89	--	--	--	8.61	13.28	13.28
W-1	2/18/2009	21.89	--	--	Not Monitored			NM
W-1	8/25/2009	21.89	--	--	Not Monitored			NM
W-1	3/22/2010	21.89	--	--	--	5.35	16.54	16.54
W-1	8/23/2010	21.89	--	--	--	7.40	14.49	14.49
W-1	2/7/2011	21.89	--	--	--	6.60	15.29	--
W-1	5/27/2011	21.89	--	--	--	8.42	13.47	--
W-1	8/16/2011	21.89	--	--	--	8.50	13.39	--
W-1	11/14/2011	21.89	--	--	--	8.61	13.28	--
W-1	2/20/2012	21.89	--	--	--	8.07	13.82	--
W-1	8/22/2012	21.89	--	--	--	7.79	14.10	--
W-1	11/5/2012	21.89	--	--	--	8.61	13.28	--
W-1	1/28/2013	21.89	--	--	--	5.29	16.60	--
W-1	5/9/2013	21.89	--	--	--	8.07	13.82	--
W-1	8/19/2013	21.89	--	--	DRY			--
W-1	11/25/2013	21.89	--	--	--	8.18	13.71	--
W-1	2/14/2014	21.89	--	--	--	8.06	13.83	--
W-1	5/5/2014	21.89	--	--	--	7.96	13.93	--
W-1	8/19/2014	21.89	--	--	DRY			--
W-1	11/21/2014	21.89	--	--	--	6.96	14.93	--
W-1	12/11/2017	21.89	--	--	--	4.96	16.93	--
W-1	2/26/2018	21.89	--	--	--	--	--	--
W-1	6/11/2018	21.89	--	--	--	--	--	--
W-2	1/27/1993	18.28	--	--	0.16	5.11	13.29	--
W-2	3/12/1993	18.28	--	--	0.02	7.94	10.36	--
W-2	4/14/1993	18.28	--	--	0.02	7.96	10.34	--
W-2	6/30/1993	18.28	--	--	0.09	7.65	10.70	--
W-2	12/15/1993	18.28	--	--	--	8.04	10.24	--
W-2	2/8/1994	18.28	--	--	0.13	5.93	12.45	--
W-2	7/8/1994	18.28	--	--	--	8.69	9.59	--
W-2	8/12/1994	18.28	--	--	--	8.98	9.30	--
W-2	9/21/1994	18.28	--	--	0.18	9.38	9.04	--
W-2	11/4/1994	18.28	--	--	0.37	9.51	9.05	--
W-2	12/23/1994	18.28	--	--	--	4.92	13.36	--
W-2	2/3/1995	18.28	--	--	--	5.16	13.12	--
W-2	2/22/1995	18.28	--	--	0.06	6.57	11.76	--
W-2	3/24/1995	18.28	--	--	0.14	6.48	11.91	--
W-2	4/27/1995	18.28	--	--	--	5.65	12.63	--
W-2	5/15/1995	18.28	--	--	0.57	6.48	12.23	--
W-2	6/16/1995	18.28	--	--	0.60	6.93	11.80	--
W-2	8/25/1995	18.28	--	--	0.22	7.36	11.09	--
W-2	10/20/1995	18.28	--	--	--	7.67	10.61	--
W-2	4/4/1996	18.28	--	--	0.02	5.19	13.11	--
W-2	4/16/1996	18.28	--	--	--	4.40	13.88	--
W-2	5/10/1996	18.28	--	--	--	4.10	14.18	--
W-2	5/15/1996	18.28	--	--	--	4.08	14.20	--
W-2	5/22/1996	18.28	--	--	--	7.59	10.69	--
W-2	6/5/1996	18.28	--	--	--	7.69	10.59	--
W-2	6/24/1996	18.28	--	--	--	8.08	10.20	--
W-2	7/15/1996	18.28	--	--	--	8.45	9.83	--
W-2	8/23/1996	18.28	--	--	--	8.80	9.48	--
W-2	9/18/1996	18.28	--	--	--	8.98	9.30	--
W-2	1/3/1997	18.28	--	--	--	4.48	13.80	--
W-2	3/12/1997	18.28	--	--	--	7.57	10.71	--
W-2	4/2/1997	18.28	--	--	--	7.60	10.68	--
W-2	5/1/1997	18.28	--	--	--	7.72	10.56	--
W-2	8/19/1997	18.28	--	--	--	8.10	10.18	--
W-2	9/18/1997	18.28	--	--	0.07	7.40	10.93	--
W-2	4/30/1998	18.28	--	--	0.07	6.11	12.22	--
W-2	7/29/1999	18.28	--	--	--	6.50	11.78	--
W-2	5/23/2000	18.28	--	--	--	6.33	11.95	--
W-2	5/24/2001	18.28	--	--	--	8.10	10.18	--
W-2	6/5/2002	18.28	--	--	0.02	5.87	12.43	--
W-2	5/28/2003	18.28	--	--	sheen	7.32	10.96	--
W-2	6/15/2004	18.28	--	--	--	8.55	9.73	--
W-2	6/22/2005	18.28	--	--	--	5.71	12.57	--

Table 5

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

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	--
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	--

Table 5

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

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	--
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	--

Table 5

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

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	--
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	--

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

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	--
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	--

Table 5

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

B-4	11/25/2013	21.28	--	--	--	7.09	14.19	--
B-4	2/14/2014	21.28	--	--	--	6.53	14.75	--
B-4	5/5/2014	21.28	--	--	--	6.78	14.50	--
B-4	8/19/2014	21.28	--	--	--	8.66	12.62	--
B-4	11/21/2014	21.28	--	--	--	6.08	15.20	--
B-4	11/14/2016	21.28	--	--	--	4.52	16.76	--
B-4	11/17/2016	21.28	--	--	--	--	--	--
B-4	2/16/2017	21.28	3.28	18.00	0.80	4.08	17.84	--
B-4	5/24/2017	21.28	4.08	17.20	0.41	4.49	17.12	--
B-4	9/26/2017	21.28	--	--	--	8.22	13.06	--
B-4	12/14/2017	21.28	--	--	--	3.90	17.38	--
B-4	2/26/2018	21.28	--	--	--	4.34	16.94	--
B-4	6/11/2018	21.28	--	--	--	6.70	14.58	--
B-4	8/29/2018	21.28	--	--	--	8.27	13.01	--
B-4	12/17/2018	21.28	--	--	--	4.50	16.78	--
B-4	3/11/2019	21.28	--	--	--	4.59	16.69	--
B-4	6/12/2019	21.28	--	--	--	6.28	15.00	--
B-4	12/4/2019	21.28	--	--	--	5.24	16.04	--
B-4	2/24/2020	21.28	--	--	--	3.71	17.57	--
B-4	6/12/2020	21.28	--	--	--	5.35	15.93	--
B-4	12/2/2020	21.28	--	--	--	4.67	16.61	--
B-4	3/16/2021	21.28	--	--	--	4.30	16.98	--
B-4	5/24/2021	21.28	--	--	--	6.09	15.19	--
B-4	12/20/2021	21.28	--	--	--	3.18	18.10	--
B-4	3/1/2022	21.28	--	--	--	3.27	18.01	--
B-4	6/9/2022	21.28	--	--	--	5.13	16.15	--
B-4	9/1/2022	21.28	--	--	--	8.43	12.85	--
B-4	11/8/2022	21.28	--	--	--	8.65	12.63	--
B-4	2/20/2023	21.28	--	--	--	5.05	16.23	--
B-4	5/15/2023	21.28	--	--	--	5.10	16.18	--
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
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	--

Table 5

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

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	--
B-6	9/26/2017	21.00	7.8	13.20	0.05	7.85	13.19	--
B-6	12/14/2017	21.00	--	--	--	4.26	16.74	--
B-6	2/26/2018	21.00	--	--	--	4.30	16.70	--
B-6	6/11/2018	21.00	--	--	--	--	--	--
B-6	8/29/2018	21.00	--	--	--	7.99	13.01	--
B-6	12/17/2018	21.00	--	--	--	4.59	16.41	--
B-6	3/11/2019	21.00	--	--	--	4.59	16.41	--
B-6	6/12/2019	21.00	--	--	--	6.13	14.87	--
B-6	12/4/2019	21.00	--	--	--	5.15	15.85	--
B-6	2/24/2020	21.00	--	--	--	3.96	17.04	--
B-6	6/12/2020	21.00	--	--	--	5.29	15.71	--
B-6	12/2/2020	21.00	--	--	--	4.77	16.23	--
B-6	3/16/2021	21.00	--	--	--	4.42	16.58	--
B-6	5/24/2021	21.00	--	--	--	6.01	14.99	--
B-6	12/20/2021	21.00	--	--	--	2.82	18.18	--
B-6	3/1/2022	21.00	--	--	--	2.36	18.64	--
B-6	6/9/2022	21.00	--	--	--	5.25	15.75	--
B-6	9/1/2022	21.00	--	--	--	8.24	12.76	--
B-6	11/8/2022	21.00	--	--	--	8.25	12.75	--
B-6	2/20/2023	21.00	--	--	--	5.30	15.70	--
B-6	5/15/2023	21.00	--	--	--	5.14	15.86	--
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	--

Table 5

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

D-1	6/16/1995	18.03	--	--	--	6.86	11.17	--
D-1	10/20/1995	18.03	--	--	--	6.60	11.43	--
D-1	4/4/1996	18.03	--	--	--	6.44	11.59	--
D-1	4/16/1996	18.03	--	--	--	6.36	11.67	--
D-1	5/1/1997	18.03	--	--	--	6.06	11.97	--
D-1R	11/14/2011	20.13	--	--	--	8.66	11.47	--
D-1R	2/20/2012	20.13	--	--	--	7.31	12.82	--
D-1R	8/22/2012	20.13	--	--	--	9.49	10.64	--
D-1R	11/5/2012	20.13	--	--	--	7.77	12.36	--
D-1R	1/28/2013	20.13	--	--	--	7.78	12.35	--
D-1R	5/9/2013	20.13	--	--	--	8.33	11.80	--
D-1R	8/19/2013	20.13	--	--	--	10.28	9.85	--
D-1R	11/25/2013	20.13	--	--	--	7.91	12.22	--
D-1R	2/14/2014	20.13	--	--	--	7.25	12.88	--
D-1R	5/5/2014	20.13	--	--	--	6.46	13.67	--
D-1R	8/19/2014	20.13	--	--	--	8.99	11.14	--
D-1R	11/21/2014	20.13	--	--	--	7.61	12.52	--
D-1R	11/14/2016	20.13	--	--	--	7.22	12.91	--
D-1R	11/16/2016	--	--	--	--	--	--	--
D-1R	2/16/2017	20.13	--	--	--	6.68	13.45	--
D-1R	5/24/2017	20.13	--	--	--	7.61	12.52	--
D-1R	9/26/2017	20.13	--	--	--	9.56	10.57	--
D-1R	9/28/2017	--	--	--	--	--	--	--
D-1R	12/14/2017	20.13	--	--	--	7.31	12.82	--
D-1R	2/26/2018	20.13	--	--	--	7.45	12.68	--
D-1R	6/11/2018	20.13	--	--	--	8.86	11.27	--
D-1R	6/27/2018	20.13	--	--	--	9.21	10.92	--
D-1R	8/28/2018	20.13	--	--	--	10.02	10.11	--
D-1R	12/17/2018	20.13	--	--	--	7.24	12.89	--
D-1R	3/14/2019	20.13	--	--	--	7.70	12.43	--
D-1R	6/12/2019	20.13	--	--	--	8.92	11.21	--
D-1R	9/23/2019	20.13	--	--	--	8.01	12.12	--
D-1R	12/4/2019	20.13	--	--	--	7.93	12.20	--
D-1R	2/26/2020	20.13	--	--	--	7.32	12.81	--
D-1R	6/12/2020	20.13	--	--	--	7.93	12.20	--
D-1R	9/17/2020	20.13	--	--	--	9.68	10.45	--
D-1R	12/2/2020	20.13	--	--	--	7.51	12.62	--
D-1R	3/16/2021	20.13	--	--	--	7.68	12.45	--
D-1R	5/24/2021	20.13	--	--	--	8.68	11.45	--
D-1R	9/16/2021	20.13	--	--	--	10.20	9.93	--
D-1R	12/20/2021	20.13	--	--	--	6.96	13.17	--
D-1R	3/1/2022	20.13	--	--	--	3.79	16.34	--
D-1R	6/9/2022	20.13	--	--	--	7.67	12.46	--
D-1R	9/1/2022	20.13	--	--	--	9.54	10.59	--
D-1R	11/8/2022	20.13	--	--	--	8.19	11.94	--
D-1R	2/20/2023	20.13	--	--	--	7.58	12.55	--
D-1R	5/15/2023	20.13	--	--	--	8.08	12.05	--
D-4	11/4/1994	17.82	--	--	--	6.44	11.38	--
D-4	2/22/1995	17.82	--	--	--	3.95	13.87	--
D-4	6/16/1995	17.82	--	--	--	6.37	11.45	--
D-4	10/20/1995	17.82	--	--	--	6.10	11.72	--
D-4	4/4/1996	17.82	--	--	--	5.17	12.65	--
D-4	4/16/1996	17.82	--	--	--	5.40	12.42	--
D-4	4/30/1998	17.82	--	--	--	5.68	12.14	--
D-4	6/5/2002	17.82	--	--	Dry	--	--	--
D-4	5/27/2003	17.82	--	--	Dry	--	--	--
D-4	6/15/2004	17.82	--	--	Dry	--	--	--
D-4	6/21/2005	17.82	--	--	--	5.90	11.92	--
D-4	6/5/2006	17.82	--	--	--	4.77	13.05	--
D-4	10/23/2006	17.82	--	--	--	5.82	DRY	--
D-4	3/14/2007	21.09	--	--	--	5.30	15.79	--
D-4	9/10/2007	21.09	--	--	--	5.57	15.52	--
D-4	11/28/2007	21.09	--	--	--	4.10	16.99	16.99
D-4	12/13/2007	21.09	--	--	--	5.00	16.09	16.09
D-4	1/21/2008	21.09	--	--	--	6.00	15.09	15.09
D-4	2/24/2008	21.09	--	--	--	4.15	16.94	16.94
D-4	3/24/2008	21.09	--	--	--	3.47	17.62	17.62
D-4	6/2/2008	21.09	--	--	Dry	--	--	--
D-4	8/25/2008	21.09	--	--	--	2.89	18.20	18.20
D-4	2/18/2009	21.09	--	--	Not Monitored	--	--	NM
D-4	8/25/2009	21.09	--	--	Not Monitored	--	--	NM
D-4	3/22/2010	21.09	--	--	--	5.41	15.68	15.68
D-4	8/23/2010	21.09	--	--	--	5.75	15.34	15.34
D-4	2/7/2011	21.09	--	--	--	2.93	18.16	--
D-4	5/27/2011	21.09	--	--	--	4.87	16.22	--
D-4	8/8/2011	21.09	--	--	Dry	--	--	--
D-4	10/13/2011				Decommissioned Well and Replaced With D-4R			
D-4R	11/14/2011	21.27	--	--	--	9.06	12.21	--
D-4R	2/20/2012	21.27	--	--	--	7.85	13.42	--
D-4R	8/22/2012	21.27	--	--	--	10.22	11.05	--
D-4R	11/5/2012	21.27	--	--	--	8.37	12.90	--
D-4R	1/28/2013	21.27	--	--	--	8.11	13.16	--
D-4R	5/9/2013	21.27	--	--	--	8.71	12.56	--
D-4R	8/19/2013	21.27	--	--	--	10.97	10.30	--
D-4R	11/25/2013	21.27	--	--	--	8.38	12.89	--
D-4R	2/14/2014	21.27	--	--	--	7.71	13.56	--
D-4R	5/5/2014	21.27	--	--	--	7.11	14.16	--
D-4R	8/19/2014	21.27	--	--	--	9.56	11.71	--
D-4R	11/21/2014	21.27	--	--	--	7.90	13.37	--
D-4R	11/14/2016	21.27	--	--	--	6.69	14.58	--
D-4R	11/16/2016	--	--	--	--	--	--	--
D-4R	2/16/2017	21.27	--	--	--	5.23	16.04	--
D-4R	5/24/2017	21.27	--	--	--	7.10	14.17	--
D-4R	9/26/2017	21.27	--	--	--	10.23	11.04	--
D-4R	9/27/2017	--	--	--	--	--	--	--
D-4R	12/13/2017	21.27	--	--	--	6.36	14.91	--
D-4R	2/26/2018	21.27	--	--	--	6.99	14.28	--
D-4R	6/11/2018	21.27	--	--	--	8.73	12.54	--
D-4R	6/27/2018	21.27	--	--	--	9.78	11.49	--
D-4R	8/29/2018	21.27	--	--	--	10.84	10.43	--
D-4R	12/17/2018	21.27	--	--	--	6.90	14.37	--
D-5	1/27/1993	18.12	--	--	--	5.51	12.61	--

Table 5

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

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	--
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

Table 5

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

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						NM
D-6	8/25/2009	20.61						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						
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						NM
D-7	8/25/2009	20.49						NM
D-7	3/22/2010	20.49	--	--	--	4.41	16.08	16.08
D-7	8/23/2010	20.49	--	--	--	5.96	14.53	14.53
D-7	2/7/2011	20.49	--	--	--	5.36	15.13	--
D-7	5/27/2011	20.49	--	--	--	5.92	14.57	--
D-7	8/8/2011	20.49	--	--	--	6.85	13.64	--
D-7	11/14/2011	20.49	--	--	--	4.81	15.68	--
D-7	2/20/2012	20.49	--	--	--	5.04	15.45	--
D-7	8/22/2012	20.49	--	--	--	6.73	13.76	--
D-7	11/5/2012	20.49	--	--	--	7.06	13.43	--
D-7	1/28/2013	20.49	--	--	--	3.53	16.96	--
D-7	5/9/2013	20.49	--	--	--	5.85	14.64	--
D-7	8/19/2013	20.49	--	--	--	7.41	13.08	--
D-7	11/25/2013	20.49	--	--	--	6.18	14.31	--
D-7	2/14/2014	20.49	--	--	--	5.29	15.20	--
D-7	5/5/2014	20.49	--	--	--	4.56	15.93	--
D-7	8/19/2014	20.49	--	--	--	7.42	13.07	--
D-7	11/21/2014	20.49	--	--	--	5.30	15.19	--
DPE-1	11/15/2016	--	--	--	--	8.90	--	--
DPE-1	2/16/2017	--	--	--	--	7.73	--	--
DPE-1	5/24/2017	15.46	--	--	--	8.97	6.49	--
DPE-1	7/11/2017	--	--	--	--	11.01	--	--
DPE-1	9/26/2017	25.66	12.4	13.26	0.02	12.42	13.26	--
DPE-1	12/11/2017	25.66	--	--	--	6.88	18.78	--
DPE-1	2/26/2018	25.66	--	--	--	8.86	16.80	--
DPE-1	6/11/2018	25.66	--	--	--	10.67	14.99	--
DPE-1	12/17/2018	25.66	--	--	--	8.73	16.93	--
DPE-1	9/23/2019	25.66	--	--	--	10.96	14.70	--
DPE-1	9/16/2020	25.66	--	--	--	12.10	13.56	--
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	--	--

Table 5

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

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-3	2/24/2020	25.16	--	--	--	8.89	16.27	--
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-6	9/16/2020	--	--	--	--	13.63	--	--
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-7	9/16/2020	--	--	--	--	14.72	--	--
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-8	9/16/2020	--	--	--	--	12.64	--	--
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-10	9/1/2022	--	--	--	--	13.90	--	--
DPE-10	2/20/2023	--	--	--	--	10.32	--	--
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-11	9/16/2020	25.08	13.90	11.18	0.17	14.07	11.15	--
DPE-11	9/1/2022	25.08	--	--	--	--	--	--
DPE-11	2/20/2023	25.08	11.82	13.26	0.10	11.92	13.24	--
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-12	9/16/2020	24.72	--	--	--	11.40	13.32	--
DPE-13	11/15/2016	--	--	--	--	11.24	--	--
DPE-13	2/16/2017	--	--	--	--	11.28	--	--
DPE-13	5/24/2017	22.56	--	--	--	12.07	10.49	--
DPE-13	7/11/2017	--	--	--	--	13.51	--	--
DPE-13	9/26/2017	24.92	--	--	--	14.28	10.64	--
DPE-13	12/11/2017	24.92	--	--	--	9.69	15.23	--
DPE-13	2/26/2018	24.92	--	--	--	11.65	13.27	--
DPE-13	6/11/2018	24.92	--	--	--	11.40	13.52	--
DPE-13	12/17/2018	24.92	--	--	--	9.07	15.85	--
DPE-13	9/23/2019	24.92	--	--	--	10.68	14.24	--
DPE-13	9/1/2022	24.92	--	--	--	12.30	12.62	--
DPE-13	2/20/2023	24.92	--	--	--	9.23	15.69	--
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	--

Table 5

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

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	--	--
DPE-25	5/30/2017	--	7.45	--	4.51	11.96	--	--
DPE-25	7/11/2017	--	7.9	--	3.49	11.39	--	--
DPE-25	12/11/2017	--	7.42	--	0.29	7.71	--	--
DPE-25	6/11/2018	--	8.58	--	2.32	10.90	--	--
DPE-25	3/11/2019	--	7.44	--	0.06	7.50	--	--
DPE-25	6/12/2019	--	6.48	--	0.15	6.63	--	--
DPE-25	9/23/2019	--	8.60	--	0.07	8.67	--	--
DPE-25	12/4/2019	--	7.14	--	0.07	7.21	--	--
DPE-25	2/24/2020	--	--	--	--	5.32	--	--
DPE-25	6/12/2020	--	7.12	--	0.39	7.51	--	--
DPE-25	9/16/2020	--	10.46	--	0.5	10.96	--	--
DPE-25	5/24/2021	--	--	--	--	9.50	--	--
DPE-25	12/20/2021	--	--	--	--	4.55	--	--

Table 5

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

DPE-26	7/8/2016	--	8.7	--	2.49	11.19	--	--
DPE-26	5/30/2017	--	7.42	--	4.44	11.86	--	--
DPE-26	7/11/2017	--	8.1	--	4.66	12.76	--	--
DPE-26	12/11/2017	--	5.08	--	8.03	13.11	--	--
DPE-26	6/11/2018	--	8.35	--	3.44	11.79	--	--
DPE-26	3/11/2019	--	7.46	--	1.2	8.66	--	--
DPE-26	6/12/2019	--	7.88	--	2.62	10.50	--	--
DPE-26	9/23/2019	--	8.07	--	1.85	9.92	--	--
DPE-26	12/4/2019	--	7.75	--	1.11	8.86	--	--
DPE-26	2/24/2020	--	6.27	--	1.45	7.72	--	--
DPE-26	6/12/2020	--	7.66	--	0.54	8.20	--	--
DPE-26	9/16/2020	--	10.32	--	0.23	10.55	--	--
DPE-26	12/2/2020	--	--	--	--	7.53	--	--
DPE-26	3/16/2021	--	9.17	--	0.04	9.21	--	--
DPE-26	5/24/2021	--	--	--	--	10.03	--	--
DPE-26	9/14/2021	--	--	--	--	11.38	--	--
DPE-26	12/20/2021	--	7.42	--	0.06	7.48	--	--
DPE-26	3/1/2022	--	--	--	--	5.24	--	--
DPE-26	9/1/2022	--	9.30	--	0.1	9.40	--	--
DPE-26	2/20/2023	--	7.42	--	1.01	8.43	--	--
DPE-27	7/8/2016	--	8.89	--	1.72	10.61	--	--
DPE-27	7/11/2017	--	8.14	--	2.68	10.82	--	--
DPE-27	12/11/2017	--	5.28	--	5.02	10.30	--	--
DPE-27	6/11/2018	--	8.63	--	1.62	10.25	--	--
DPE-27	3/11/2019	--	7.30	--	2.04	9.34	--	--
DPE-27	6/12/2019	--	10.62	--	0.18	10.80	--	--
DPE-27	9/23/2019	--	--	--	--	8.44	--	--
DPE-27	12/4/2019	--	7.68	--	0.02	7.70	--	--
DPE-27	2/24/2020	--	7.04	--	0.07	7.11	--	--
DPE-27	6/12/2020	--	7.75	--	0.1	7.85	--	--
DPE-27	9/16/2020	--	--	--	--	10.13	--	--
DPE-27	12/2/2020	--	--	--	--	7.17	--	--
DPE-27	3/16/2021	--	9.08	--	0.01	9.09	--	--
DPE-27	5/24/2021	--	--	--	--	9.97	--	--
DPE-27	9/14/2021	--	--	--	--	11.18	--	--
DPE-27	12/20/2021	--	--	--	--	7.13	--	--
DPE-27	3/1/2022	--	--	--	--	5.18	--	--
DPE-27	9/1/2022	--	--	--	--	9.39	--	--
DPE-27	2/20/2023	--	--	--	--	7.32	--	--
DPE-28	7/8/2016	--	8.79	--	1.41	10.20	--	--
DPE-28	7/11/2017	--	7.5	--	2.25	9.75	--	--
DPE-28	12/11/2017	--	4.94	--	0.31	5.25	--	--
DPE-28	6/11/2018	--	8.57	--	0.03	8.60	--	--
DPE-28	9/23/2019	--	--	--	--	8.04	--	--
DPE-28	12/4/2019	--	--	--	--	7.31	--	--
DPE-28	2/24/2020	--	--	--	--	6.36	--	--
DPE-28	6/12/2020	--	--	--	--	7.51	--	--
DPE-28	9/16/2020	--	--	--	--	9.61	--	--
DPE-28	12/2/2020	--	--	--	--	6.58	--	--
DPE-28	3/16/2021	--	--	--	--	8.50	--	--
DPE-28	5/24/2021	--	--	--	--	9.40	--	--
DPE-28	12/20/2021	--	--	--	--	6.17	--	--
DPE-28	3/1/2022	--	--	--	--	5.30	--	--
DPE-28	9/1/2022	--	--	--	--	8.85	--	--
DPE-28	2/20/2023	--	--	--	--	6.00	--	--
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-29	3/16/2021	20.93	--	--	--	7.90	13.03	--
DPE-29	5/24/2021	20.93	--	--	--	8.88	12.05	--
DPE-29	3/1/2022	20.93	--	--	--	3.02	17.91	--
DPE-29	9/1/2022	20.93	--	--	--	8.81	12.12	--
DPE-29	2/20/2023	20.93	--	--	--	7.56	13.37	--
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-30	12/2/2020	22.67	--	--	--	9.22	13.45	--
DPE-30	3/16/2021	22.67	--	--	--	10.86	11.81	--
DPE-30	5/24/2021	22.67	--	--	--	11.81	10.86	--
DPE-30	3/1/2022	22.67	--	--	--	7.32	15.35	--
DPE-30	9/1/2022	22.67	--	--	--	11.05	11.62	--
DPE-30	2/20/2023	22.67	--	--	--	8.86	13.81	--
DPE-31	7/8/2016	--	9.99	--	0.11	10.10	--	--
DPE-31	7/11/2017	--	9.08	--	0.26	9.34	--	--
DPE-31	12/11/2017	--	--	--	--	5.82	--	--
DPE-31	6/11/2018	--	9.80	--	0.01	9.81	--	--
DPE-31	3/11/2019	--	--	--	--	8.20	--	--
DPE-31	12/4/2019	--	--	--	--	8.60	--	--
DPE-31	2/24/2020	--	--	--	--	6.95	--	--
DPE-31	6/12/2020	--	--	--	--	8.50	--	--
DPE-31	12/2/2020	--	--	--	--	7.41	--	--
DPE-31	3/16/2021	--	--	--	--	10.07	--	--
DPE-31	9/14/2021	--	--	--	--	12.73	--	--

Table 5

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

DPE-31	12/20/2021	--	--	--	--	8.58	--	--
DPE-32	7/8/2016	--	9.32	--	2.29	11.61	--	--
DPE-32	5/30/2017	--	7.32	--	4.86	12.18	--	--
DPE-32	7/11/2017	--	8.21	--	4.7	12.91	--	--
DPE-32	12/11/2017	--	5.18	--	7.77	12.95	--	--
DPE-32	6/11/2018	--	9.18	--	2.02	11.20	--	--
DPE-32	3/11/2019	--	--	--	--	7.88	--	--
DPE-32	6/12/2019	--	8.66	--	2.58	11.24	--	--
DPE-32	9/23/2019	--	8.60	--	0.01	8.61	--	--
DPE-32	12/4/2019	--	8.12	--	2.86	10.98	--	--
DPE-32	2/24/2020	--	7.42	--	1.31	8.73	--	--
DPE-32	6/12/2020	--	8.17	--	0.78	8.95	--	--
DPE-32	12/2/2020	--	--	--	--	8.19	--	--
DPE-32	12/20/2021	--	--	--	--	6.48	--	--
DPE-33	11/15/2016	--	6.96	--	0.63	7.59	--	--
DPE-33	2/16/2017	--	6.64	--	0.45	7.09	--	--
DPE-33	5/24/2017	14.18	7.85	6.33	0.45	8.30	6.24	--
DPE-33	7/11/2017	--	9.25	--	0.43	9.68	--	--
DPE-33	9/26/2017	21.05	10.09	10.96	0.33	10.42	10.89	--
DPE-33	12/11/2017	21.05	5.55	15.5	0.05	5.60	15.49	--
DPE-33	2/26/2018	21.05	7.86	13.19	0.03	7.89	13.18	--
DPE-33	6/11/2018	21.05	9.16	11.89	0.04	9.20	11.88	--
DPE-33	12/17/2018	21.05	--	--	--	6.49	14.56	--
DPE-33	12/4/2019	21.05	--	--	--	8.35	12.70	--
DPE-33	2/24/2020	21.05	--	--	--	7.18	13.87	--
DPE-33	6/12/2020	21.05	--	--	--	8.41	12.64	--
DPE-33	12/2/2020	21.05	--	--	--	7.67	13.38	--
DPE-33	3/16/2021	21.05	--	--	--	9.43	11.62	--
DPE-33	5/24/2021	21.05	--	--	--	10.36	10.69	--
DPE-33	12/20/2021	21.05	--	--	--	5.93	15.12	--
DPE-33	3/1/2022	21.05	--	--	--	3.48	17.57	--
DPE-33	9/1/2022	21.05	--	--	--	9.90	11.15	--
DPE-33	2/20/2023	21.05	--	--	--	7.33	13.72	--
DPE-34	11/15/2016	--	5.5	--	3.07	8.57	--	--
DPE-34	2/16/2017	--	4.43	--	4.5	8.93	--	--
DPE-34	5/16/2017	--	5.16	--	4.42	9.58	--	--
DPE-34	5/24/2017	17.86	5.69	12.17	4.15	9.84	8.02	--
DPE-34	7/11/2017	--	6.21	--	3.47	9.68	--	--
DPE-34	9/26/2017	20.62	8.72	11.9	0.54	9.26	11.79	--
DPE-34	12/11/2017	20.62	4.02	16.6	0.33	4.35	16.53	--
DPE-34	2/26/2018	20.62	6.14	14.48	0.28	6.42	14.42	--
DPE-34	6/11/2018	20.62	7.50	13.12	0.08	7.58	13.10	--
DPE-34	12/17/2018	20.62	--	--	--	5.68	14.94	--
DPE-34	12/4/2019	20.62	--	--	--	5.84	14.78	--
DPE-34	2/24/2020	20.62	--	--	--	5.04	15.58	--
DPE-34	6/12/2020	20.62	--	--	--	--	--	--
DPE-34	12/2/2020	20.62	--	--	--	--	--	--
DPE-34	3/16/2021	20.62	--	--	--	7.07	13.55	--
DPE-34	5/24/2021	20.62	--	--	--	9.81	10.81	--
DPE-34	12/20/2021	20.62	--	--	--	--	--	--
DPE-34	3/1/2022	20.62	--	--	--	4.43	16.19	--
DPE-34	9/1/2022	20.62	--	--	--	7.72	12.90	--
DPE-34	2/20/2023	20.62	--	--	--	5.25	15.37	--
DPE-35	7/11/2016	--	8.82	--	2.48	11.30	--	--
DPE-35	5/30/2017	--	7.38	--	5.42	12.80	--	--
DPE-35	7/11/2017	--	7.93	--	5.56	13.49	--	--
DPE-35	12/11/2017	--	5.03	--	8.49	13.52	--	--
DPE-35	6/11/2018	--	8.60	--	2.92	11.52	--	--
DPE-35	3/11/2019	--	7.22	--	5.34	12.56	--	--
DPE-35	6/12/2019	--	8.43	--	4.75	13.18	--	--
DPE-35	9/23/2019	--	8.00	--	3.85	11.85	--	--
DPE-35	12/4/2019	--	8.20	--	0.31	8.51	--	--
DPE-35	2/24/2020	--	7.06	--	2.34	9.40	--	--
DPE-35	6/12/2020	--	7.87	--	1.88	9.75	--	--
DPE-35	12/2/2020	--	--	--	--	7.77	--	--
DPE-35	12/20/2021	--	--	--	--	8.09	--	--
DPE-36	7/11/2016	--	8.94	--	0.77	9.71	--	--
DPE-36	7/11/2017	--	7.69	--	1.69	9.38	--	--
DPE-36	12/11/2017	--	6.15	--	0.06	6.21	--	--
DPE-36	6/11/2018	--	--	--	--	8.66	--	--
DPE-36	3/11/2019	--	7.60	--	0.03	7.63	--	--
DPE-36	12/4/2019	--	--	--	--	7.82	--	--
DPE-36	2/24/2020	--	--	--	--	7.12	--	--
DPE-36	6/12/2020	--	7.79	--	0.02	7.81	--	--
DPE-36	12/2/2020	--	--	--	--	7.52	--	--
DPE-36	9/14/2021	--	--	--	--	11.54	--	--
DPE-36	12/20/2021	--	--	--	--	8.00	--	--
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-37	12/2/2020	20.80	--	--	--	--	--	--
DPE-37	3/16/2021	20.80	--	--	--	8.54	12.26	--
DPE-37	5/24/2021	20.80	--	--	--	9.02	11.78	--
DPE-37	3/1/2022	20.80	--	--	--	4.83	15.97	--
DPE-37	9/1/2022	20.80	--	--	--	8.85	11.95	--
DPE-37	2/20/2023	20.80	--	--	--	6.85	13.95	--
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	--	--

Table 5
Groundwater Elevation Data
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DPE-38	5/24/2017	15.20	4.79	10.41	0.01	4.80	10.41	--
DPE-38	7/11/2017	--	--	--	--	5.32	--	--
DPE-38	9/26/2017	20.28	--	--	--	7.09	13.19	--
DPE-38	12/11/2017	20.28	--	--	--	2.87	17.41	--
DPE-38	2/26/2018	20.28	--	--	--	5.41	14.87	--
DPE-38	6/11/2018	20.28	--	--	--	6.57	13.71	--
DPE-38	12/17/2018	20.28	--	--	--	4.73	15.55	--
DPE-38	12/4/2019	20.28	--	--	--	5.62	14.66	--
DPE-38	2/24/2020	20.28	--	--	--	5.05	15.23	--
DPE-38	6/12/2020	20.28	--	--	--	--	--	--
DPE-38	12/2/2020	20.28	--	--	--	--	--	--
DPE-38	3/16/2021	20.28	--	--	--	5.46	14.82	--
DPE-38	5/24/2021	20.28	--	--	--	--	--	--
DPE-38	12/20/2021	20.28	--	--	--	3.60	16.68	--
DPE-38	3/1/2022	20.28	--	--	--	3.63	16.65	--
DPE-38	9/1/2022	20.28	--	--	--	6.90	13.38	--
DPE-38	2/20/2023	20.28	--	--	--	--	--	--
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-39	12/4/2019	20.96	7.95	13.01	1.67	9.62	12.68	--
DPE-39	2/24/2020	20.96	7.13	13.83	2.86	9.99	13.26	--
DPE-39	6/12/2020	20.96	8.07	12.89	1.58	9.65	12.57	--
DPE-39	12/2/2020	20.96	--	--	--	8.14	12.82	--
DPE-39	5/24/2021	20.96	--	--	--	--	--	--
DPE-39	9/14/2021	20.96	--	--	--	11.78	9.18	--
DPE-39	12/20/2021	20.96	--	--	--	6.73	14.23	--
DPE-39	11/8/2022	20.96	--	--	--	8.20	12.76	--
DPE-40	7/11/2016	--	8.75	--	1.7	10.45	--	--
DPE-40	7/11/2017	--	7.57	--	3.37	10.94	--	--
DPE-40	12/11/2017	--	4.82	--	6.89	11.71	--	--
DPE-40	6/11/2018	--	8.46	--	1.94	10.40	--	--
DPE-40	3/11/2019	--	7.41	--	3.37	10.78	--	--
DPE-40	6/12/2019	--	8.33	--	4.77	13.10	--	--
DPE-40	9/23/2019	--	8.00	--	1.65	9.65	--	--
DPE-40	12/4/2019	--	7.95	--	0.28	8.23	--	--
DPE-40	2/24/2020	--	6.62	--	3.42	10.04	--	--
DPE-40	6/12/2020	--	7.71	--	1.34	9.05	--	--
DPE-40	12/2/2020	--	--	--	--	7.56	--	--
DPE-40	11/8/2022	--	--	--	--	7.55	--	--
DPE-41	7/11/2016	--	9.29	--	1.42	10.71	--	--
DPE-41	7/11/2017	--	7.93	--	3.25	11.18	--	--
DPE-41	12/11/2017	--	5.37	--	6.61	11.98	--	--
DPE-41	6/11/2018	--	8.84	--	2.08	10.92	--	--
DPE-41	3/11/2019	--	7.60	--	3.43	11.03	--	--
DPE-41	6/12/2019	--	8.30	--	3.32	11.62	--	--
DPE-41	9/23/2019	--	8.32	--	2.02	10.34	--	--
DPE-41	12/4/2019	--	8.21	--	0.33	8.54	--	--
DPE-41	2/24/2020	--	7.58	--	0.02	7.60	--	--
DPE-41	6/12/2020	--	8.30	--	0.06	8.36	--	--
DPE-41	12/2/2020	--	--	--	--	7.79	--	--
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-42	3/16/2021	20.94	--	--	--	8.82	12.12	--
DPE-42	5/24/2021	20.94	--	--	--	--	--	--
DPE-42	3/1/2022	20.94	--	--	--	4.80	16.14	--
DPE-42	9/1/2022	20.94	--	--	--	9.20	11.74	--
DPE-42	2/20/2023	20.94	--	--	--	6.19	14.75	--
DPE-43	11/15/2016	--	5.07	--	2.68	7.75	--	--
DPE-43	2/16/2017	--	4.23	--	4.35	8.58	--	--
DPE-43	5/16/2017	--	4.57	--	5.96	10.53	--	--
DPE-43	5/24/2017	17.16	5.73	11.43	0.63	6.36	11.30	--
DPE-43	7/11/2017	--	6.84	--	0.02	6.86	--	--
DPE-43	9/26/2017	21.15	8.2	12.95	0.07	8.27	12.88	--
DPE-43	12/11/2017	21.15	--	--	--	3.12	18.03	--
DPE-43	2/26/2018	21.15	4.62	16.53	0.06	4.68	16.52	--
DPE-43	6/11/2018	21.15	6.67	14.48	0.13	6.80	14.45	--
DPE-43	12/17/2018	21.15	--	--	--	4.86	16.29	--
DPE-43	12/4/2019	21.15	5.60	15.55	0.38	5.98	15.47	--
DPE-43	2/24/2020	21.15	4.07	17.08	0.25	4.32	17.03	--
DPE-43	6/12/2020	21.15	5.71	15.44	0.42	6.13	15.36	--
DPE-43	12/2/2020	21.15	4.96	16.19	0.29	5.25	16.13	--
DPE-43	3/16/2021	21.15	4.72	16.43	0.54	5.26	16.32	--
DPE-43	5/24/2021	21.15	6.34	14.81	0.5	6.84	14.71	--
DPE-43	12/20/2021	21.15	3.58	17.57	0.16	3.74	17.54	--
DPE-43	3/1/2022	21.15	3.14	18.01	0.49	3.63	17.91	--
DPE-43	9/1/2022	21.15	--	--	--	17.20	3.95	--
DPE-43	11/8/2022	21.15	--	--	--	8.20	12.95	--
DPE-43	2/20/2023	21.15	--	--	--	6.50	14.65	--

Table 5
Groundwater Elevation Data
Phillips 66 Company
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DPE-44	7/11/2017	--	--	--	--	6.60	--	--
DPE-44	12/11/2017	--	--	--	--	5.55	--	--
DPE-44	6/11/2018	--	--	--	--	6.12	--	--
DPE-44	3/16/2021	--	--	--	--	4.58	--	--
DPE-45	11/15/2016	--	6.65	--	0.37	7.02	--	--
DPE-45	2/16/2017	--	6.54	--	0.54	7.08	--	--
DPE-45	5/24/2017	14.16	7.41	6.75	0.79	8.20	6.59	--
DPE-45	7/11/2017	--	8.89	--	0.82	9.71	--	--
DPE-45	9/26/2017	21.10	9.95	11.15	0.68	10.63	11.01	--
DPE-45	12/11/2017	21.10	6.91	14.19	0.25	7.16	14.14	--
DPE-45	2/26/2018	21.10	7.36	13.74	0.6	7.96	13.60	--
DPE-45	6/11/2018	21.10	8.70	12.4	0.43	9.13	12.31	--
DPE-45	12/17/2018	21.10	6.90	14.2	0.31	7.21	14.14	--
DPE-45	12/4/2019	21.10	7.56	13.54	0.36	7.92	13.47	--
DPE-45	2/24/2020	21.10	6.36	14.74	0.35	6.71	14.67	--
DPE-45	6/12/2020	21.10	7.43	13.67	0.35	7.78	13.60	--
DPE-45	12/2/2020	21.10	6.92	14.18	0.38	7.30	14.10	--
DPE-45	3/16/2021	21.10	6.67	14.43	0.44	7.11	14.34	--
DPE-45	5/24/2021	21.10	8.05	13.05	0.44	8.49	12.96	--
DPE-45	12/20/2021	21.10	5.54	15.56	0.43	5.97	15.47	--
DPE-45	3/1/2022	21.10	3.22	17.88	0.49	3.71	17.78	--
DPE-45	9/1/2022	21.10	--	--	--	9.72	11.38	--
DPE-45	11/8/2022	21.10	--	--	--	8.80	12.30	--
DPE-45	2/20/2023	21.10	--	--	--	6.25	14.85	--
DPE-46	7/8/2016	--	9.25	--	9.95	19.20	--	--
DPE-46	5/16/2017	--	7.33	--	6.22	13.55	--	--
DPE-46	7/11/2017	--	9.02	--	1.18	10.20	--	--
DPE-46	12/11/2017	--	5.71	--	0.55	6.26	--	--
DPE-46	6/11/2018	--	--	--	--	9.36	--	--
DPE-46	12/4/2019	--	--	--	--	8.49	--	--
DPE-46	2/24/2020	--	5.70	--	0.03	5.73	--	--
DPE-46	6/12/2020	--	8.38	--	0.01	8.39	--	--
DPE-46	12/2/2020	--	--	--	--	8.11	--	--
DPE-46	3/16/2021	--	--	--	--	8.14	--	--
DPE-46	5/24/2021	--	--	--	--	10.45	--	--
DPE-46	12/20/2021	--	--	--	--	8.04	--	--
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-47	12/2/2020	21.06	--	--	--	4.92	16.14	--
DPE-47	3/16/2021	21.06	--	--	--	4.74	16.32	--
DPE-47	5/24/2021	21.06	--	--	--	6.22	14.84	--
DPE-47	3/1/2022	21.06	--	--	--	2.96	18.10	--
DPE-47	9/1/2022	21.06	--	--	--	8.15	12.91	--
DPE-47	2/20/2023	21.06	--	--	--	5.15	15.91	--
DPE-48	7/8/2016	--	10.3	--	1.45	11.75	--	--
DPE-48	7/11/2017	--	9.96	--	2.19	12.15	--	--
DPE-48	12/11/2017	--	--	--	--	7.42	--	--
DPE-48	6/11/2018	--	--	--	--	10.16	--	--
DPE-48	12/4/2019	--	--	--	--	9.28	--	--
DPE-48	2/24/2020	--	--	--	--	8.60	--	--
DPE-48	6/12/2020	--	--	--	--	9.42	--	--
DPE-48	12/2/2020	--	--	--	--	9.01	--	--
DPE-48	3/16/2021	--	--	--	--	9.42	--	--
DPE-48	5/24/2021	--	--	--	--	10.36	--	--
DPE-48	12/20/2021	--	--	--	--	8.42	--	--
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-49	12/4/2019	--	8.58	--	0.64	9.22	--	--
DPE-49	2/24/2020	--	7.80	--	1.2	9.00	--	--
DPE-49	6/12/2020	--	8.54	--	1.01	9.55	--	--
DPE-49	12/2/2020	--	--	--	--	8.27	--	--
DPE-49	3/16/2021	--	--	--	--	10.20	--	--
DPE-49	5/24/2021	--	--	--	--	10.22	--	--
DPE-49	12/20/2021	--	--	--	--	9.07	--	--
DPE-50	7/8/2016	--	10.38	--	0.92	11.30	--	--
DPE-50	7/11/2017	--	--	--	--	9.87	--	--
DPE-50	12/11/2017	--	7.31	--	0.02	7.33	--	--
DPE-50	6/11/2018	--	--	--	--	10.26	--	--
DPE-50	12/4/2019	--	--	--	--	9.19	--	--
DPE-50	2/24/2020	--	--	--	--	7.98	--	--
DPE-50	6/12/2020	--	--	--	--	8.98	--	--
DPE-50	12/2/2020	--	--	--	--	8.80	--	--
DPE-50	3/16/2021	--	--	--	--	10.26	--	--
DPE-50	5/24/2021	--	--	--	--	11.28	--	--
DPE-50	9/14/2021	--	--	--	--	12.68	--	--
DPE-50	12/20/2021	--	--	--	--	8.72	--	--
DPE-51	7/8/2016	--	10.4	--	0.18	10.58	--	--
DPE-51	7/11/2017	--	9.46	--	0.24	9.70	--	--
DPE-51	6/11/2018	--	10.76	--	0.04	10.80	--	--
DPE-51	12/4/2019	--	--	--	--	9.80	--	--
DPE-51	2/24/2020	--	--	--	--	6.92	--	--
DPE-51	6/12/2020	--	--	--	--	9.25	--	--

Table 5

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

DPE-51	12/2/2020	--	--	--	--	8.93	--	--
DPE-51	3/16/2021	--	--	--	--	9.65	--	--
DPE-51	12/20/2021	--	--	--	--	8.43	--	--
DPE-52	7/8/2016	--	9.65	--	2.8	12.45	--	--
DPE-52	5/15/2017	--	7.96	--	3.62	11.58	--	--
DPE-52	7/11/2017	--	9.13	--	0.07	9.20	--	--
DPE-52	12/11/2017	--	6.98	--	0.02	7.00	--	--
DPE-52	6/11/2018	--	10.19	--	0.14	10.33	--	--
DPE-52	12/4/2019	--	8.92	--	0.26	9.18	--	--
DPE-52	2/24/2020	--	8.21	--	0.23	8.44	--	--
DPE-52	6/12/2020	--	8.90	--	0.6	9.50	--	--
DPE-52	12/2/2020	--	8.38	--	0.55	8.93	--	--
DPE-52	3/16/2021	--	9.96	--	0.31	10.27	--	--
DPE-52	5/24/2021	--	10.97	--	0.44	11.41	--	--
DPE-52	12/20/2021	--	--	--	--	9.55	--	--
DPE-53	11/15/2016	--	--	--	--	7.19	--	--
DPE-53	2/16/2017	--	--	--	--	6.76	--	--
DPE-53	5/24/2017	13.52	--	--	--	7.97	5.55	--
DPE-53	7/11/2017	--	--	--	--	8.37	--	--
DPE-53	9/26/2017	21.15	--	--	--	10.14	11.01	--
DPE-53	12/11/2017	21.15	--	--	--	6.07	15.08	--
DPE-53	2/26/2018	21.15	--	--	--	7.75	13.40	--
DPE-53	6/11/2018	21.15	--	--	--	8.95	12.20	--
DPE-53	12/17/2018	21.15	--	--	--	7.68	13.47	--
DPE-54	7/11/2016	--	9.86	--	2.33	12.19	--	--
DPE-54	5/30/2017	--	8	--	6.03	14.03	--	--
DPE-54	7/11/2017	--	8.86	--	2.87	11.73	--	--
DPE-54	12/11/2017	--	6.94	--	1.88	8.82	--	--
DPE-54	6/11/2018	--	9.92	--	0.09	10.01	--	--
DPE-54	3/11/2019	--	8.89	--	0.13	9.02	--	--
DPE-54	12/4/2019	--	9.11	--	0.15	9.26	--	--
DPE-54	2/24/2020	--	8.11	--	1.06	9.17	--	--
DPE-54	6/12/2020	--	--	--	--	9.16	--	--
DPE-54	12/2/2020	--	8.25	--	1.6	9.85	--	--
DPE-54	3/16/2021	--	8.47	--	0.01	8.48	--	--
DPE-54	5/24/2021	--	9.82	--	0.76	10.58	--	--
DPE-54	9/1/2022	--	20.02	--	2.08	22.10	--	--
DPE-54	11/8/2022	--	--	--	--	8.42	--	--
DPE-54	2/20/2023	--	8.35	--	2.15	10.50	--	--
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-55	12/2/2020	21.62	--	--	--	7.64	13.98	--
DPE-55	3/16/2021	21.62	--	--	--	7.82	13.80	--
DPE-55	5/24/2021	21.62	--	--	--	8.49	13.13	--
DPE-55	3/1/2022	21.62	--	--	--	5.18	16.44	--
DPE-55	9/1/2022	21.62	--	--	--	10.08	11.54	--
DPE-55	2/20/2023	21.62	--	--	--	6.83	14.79	--
DPE-56	7/11/2016	--	9.81	--	3.19	13.00	--	--
DPE-56	5/15/2017	--	7.98	--	5.19	13.17	--	--
DPE-56	7/11/2017	--	9.44	--	0.59	10.03	--	--
DPE-56	12/11/2017	--	7.37	--	0.39	7.76	--	--
DPE-56	6/11/2018	--	10.15	--	0.17	10.32	--	--
DPE-56	12/4/2019	--	8.58	--	3.47	12.05	--	--
DPE-56	2/24/2020	--	8.55	--	0.27	8.82	--	--
DPE-56	6/12/2020	--	9.21	--	0.15	9.36	--	--
DPE-56	12/2/2020	--	8.62	--	0.25	8.87	--	--
DPE-56	3/16/2021	--	--	--	--	8.58	--	--
DPE-56	5/24/2021	--	10.00	--	0.01	10.01	--	--
DPE-56	12/20/2021	--	--	--	--	9.43	--	--
DPE-56	9/1/2022	--	10.75	--	0.1	10.85	--	--
DPE-56	2/20/2023	--	--	--	--	6.42	--	--
DPE-57	11/15/2016	--	6.94	--	2.78	9.72	--	--
DPE-57	2/16/2017	--	6.65	--	3.17	9.82	--	--
DPE-57	5/15/2017	--	7.6	--	3.2	10.80	--	--
DPE-57	5/24/2017	19.64	8.3	11.34	1.38	9.68	11.06	--
DPE-57	7/11/2017	--	--	--	--	8.87	--	--
DPE-57	9/26/2017	21.46	10.01	11.45	0.35	10.36	11.38	--
DPE-57	12/11/2017	21.46	6.48	14.98	0.25	6.73	14.93	--
DPE-57	2/26/2018	21.46	8.19	13.27	0.47	8.66	13.18	--
DPE-57	6/11/2018	21.46	9.40	12.06	0.31	9.71	12.00	--
DPE-57	12/4/2019	21.46	8.49	12.97	0.77	9.26	12.82	--
DPE-57	2/24/2020	21.46	7.77	13.69	0.83	8.60	13.52	--
DPE-57	6/12/2020	21.54	8.43	13.11	0.87	9.30	12.94	--
DPE-57	12/2/2020	21.46	7.88	13.58	0.67	8.55	13.45	--
DPE-57	3/16/2021	21.46	8.35	13.11	0.67	9.02	12.98	--
DPE-57	5/24/2021	21.46	9.14	12.32	0.61	9.75	12.20	--
DPE-57	9/14/2021	21.46	10.75	10.71	0.1	10.85	10.69	--
DPE-57	12/20/2021	21.46	--	--	--	--	--	--
DPE-57	3/1/2022	21.46	5.38	16.08	0.18	5.56	16.04	--
DPE-57	9/1/2022	21.46	--	--	--	8.72	12.74	--
DPE-57	11/8/2022	21.46	--	--	--	8.40	13.06	--
DPE-57	2/20/2023	21.46	--	--	--	8.04	13.42	--
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	--

Table 5

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

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

Table 5

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

HA-3	4/2/1997	21.03	--	--	--	6.70	14.33	--
HA-3	5/1/1997	21.03	--	--	--	8.44	12.59	--
HA-3	9/18/1997	21.03	--	--	--	9.34	11.69	--
HA-3	4/30/1998	21.03	--	--	--	9.20	11.83	--
HA-3	5/23/2000	21.03	--	--	--	9.25	11.78	--
HA-3	5/23/2001	21.03	--	--	--	9.18	11.85	--
HA-3	6/4/2002	21.03	--	--	--	9.07	11.96	--
HA-3	5/27/2003	21.03	--	--	--	9.30	11.73	--
HA-3	6/22/2005	21.03	--	--	--	8.94	12.09	--
HA-3	6/5/2006	21.03	--	--	--	8.91	12.12	--
HA-3	10/23/2006	21.03	--	--	--	9.66	11.37	--
HA-3	3/14/2007	21.09	--	--	--	5.42	15.67	--
HA-3	9/10/2007	21.09	--	--	--	6.70	14.39	--
HA-3	11/28/2007	21.09	--	--	--	6.91	14.18	14.18
HA-3	12/13/2007	21.09	5.90	15.19	0.90	6.80	14.97	15.64
HA-3	1/21/2008	21.09	--	--	--	5.96	15.13	15.13
HA-3	2/24/2008	21.09	--	--	--	5.77	15.32	15.32
HA-3	3/24/2008	21.09	--	--	--	6.07	15.02	15.02
HA-3	6/2/2008	21.09	--	--	--	6.36	14.73	--
HA-3	8/25/2008	21.09	--	--	--	6.30	14.79	14.79
HA-3	2/18/2009	21.09	--	--	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	21.09	--	--	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	21.05	--	--	Decommissioned Well			
HA-5	1/27/1993	18.07	--	--	--	4.50	13.57	--
HA-5	3/12/1993	18.07	--	--	--	6.22	11.85	--
HA-5	4/14/1993	18.07	--	--	--	5.13	12.94	--
HA-5	12/15/1993	18.07	--	--	--	6.39	11.68	--
HA-5	11/4/1994	18.07	--	--	--	7.86	10.21	--
HA-5	2/22/1995	18.07	--	--	--	3.67	14.40	--
HA-5	6/16/1995	18.07	--	--	--	6.70	11.37	--
HA-5	10/20/1995	18.07	--	--	--	6.41	11.66	--
HA-5	4/4/1996	18.07	--	--	--	4.88	13.19	--
HA-5	4/16/1996	18.07	--	--	--	4.91	13.16	--
HA-5	5/1/1997	18.07	--	--	--	5.04	13.03	--
HA-5	9/18/1997	18.07	--	--	--	5.90	12.17	--
HA-5	5/1/1998	18.07	--	--	--	5.98	12.09	--

Table 5

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

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	15.88
HA-5	3/26/2003	21.13	--	--	--	4.41	16.72	16.72
HA-5	3/28/2003	21.13	--	--	--	4.98	16.15	16.15
HA-5	4/2/2003	21.13	--	--	--	5.00	16.13	16.13
HA-5	4/4/2003	21.13	--	--	--	5.44	15.69	15.69
HA-5	4/8/2003	21.13	--	--	--	5.49	15.64	15.64
HA-5	4/11/2003	21.13	--	--	--	5.53	15.60	15.60
HA-5	4/15/2003	21.13	--	--	--	5.06	16.07	16.07
HA-5	4/17/2003	21.13	--	--	--	5.70	15.43	15.43
HA-5	4/22/2003	21.13	--	--	--	5.54	15.59	15.59
HA-5	4/25/2003	21.13	--	--	--	5.92	15.21	15.21
HA-5	5/2/2003	21.13	--	--	--	5.98	15.15	15.15
HA-5	5/6/2003	21.13	--	--	--	6.02	15.11	15.11
HA-5	5/9/2003	21.13	--	--	--	6.34	14.79	14.79
HA-5	5/23/2003	21.13	--	--	--	6.95	14.18	14.18
HA-5	5/28/2003	21.13	--	--	--	6.85	14.28	14.28
HA-5	6/13/2003	21.13	--	--	--	7.22	13.91	13.91
HA-5	6/18/2003	21.13	--	--	--	7.16	13.97	13.97
HA-5	6/27/2003	21.13	--	--	--	7.14	13.99	13.99
HA-5	7/7/2003	21.13	--	--	--	7.47	13.66	13.66
HA-5	7/16/2003	21.13	--	--	--	7.57	13.56	13.56
HA-5	7/31/2003	21.13	7.82	13.31	0.01	7.83	13.31	13.32
HA-5	8/5/2003	21.13	--	--	--	7.90	13.23	13.23
HA-5	8/11/2003	21.13	--	--	--	9.01	12.12	12.12
HA-5	8/22/2003	21.13	9.24	11.89	0.01	9.25	11.89	11.90
HA-5	8/26/2003	21.13	--	--	--	8.19	12.94	12.94
HA-5	9/2/2003	21.13	--	--	--	8.48	12.65	12.65
HA-5	9/9/2003	21.13	--	--	--	8.93	12.20	12.20
HA-5	9/19/2003	21.13	8.80	12.33	0.01	8.81	12.33	12.34
HA-5	10/14/2003	21.13	--	--	--	Not Monitored	--	--
HA-5	11/20/2003	21.13	--	--	--	Not Monitored	--	--
HA-5	12/3/2003	21.13	--	--	--	4.44	16.69	16.69
HA-5	1/19/2004	21.13	--	--	--	3.99	17.14	17.14
HA-5	2/24/2004	21.13	--	--	--	5.26	15.87	15.87
HA-5	3/15/2004	21.13	--	--	--	6.11	15.02	15.02
HA-5	4/19/2004	21.13	--	--	--	6.62	14.51	14.51
HA-5	5/17/2004	21.13	--	--	--	7.15	13.98	13.98
HA-5	6/16/2004	21.13	--	--	--	7.01	14.12	--
HA-5	6/22/2004	21.13	--	--	--	6.98	14.15	14.15
HA-5	8/18/2004	21.13	8.10	13.03	0.01	8.11	13.03	13.04
HA-5	9/21/2004	21.13	--	--	--	6.97	14.16	14.16
HA-5	10/19/2004	21.13	--	--	--	6.28	14.85	14.85
HA-5	11/23/2004	21.13	--	--	--	6.52	14.61	14.61
HA-5	12/21/2004	21.13	--	--	--	4.56	16.57	16.57
HA-5	1/13/2005	21.13	--	--	--	5.84	15.29	15.29
HA-5	4/28/2005	21.13	--	--	--	4.88	16.25	16.25
HA-5	6/1/2005	21.13	--	--	--	5.17	15.96	15.96
HA-5	6/20/2005	21.13	--	--	--	5.82	15.31	--
HA-5	6/29/2005	21.13	--	--	--	6.59	14.54	14.54
HA-5	7/20/2005	21.13	--	--	--	7.00	14.13	14.13
HA-5	8/22/2005	21.13	--	--	--	7.20	13.93	13.93
HA-5	9/12/2005	21.13	--	--	--	7.82	13.31	13.31
HA-5	10/12/2005	21.13	--	--	--	8.35	12.78	12.78
HA-5	11/21/2005	21.13	6.02	15.11	0.01	6.03	15.11	15.12
HA-5	12/27/2005	21.13	--	--	--	Not Monitored	--	NM
HA-5	1/30/2006	21.13	--	--	--	6.10	15.03	15.03
HA-5	2/16/2006	21.13	--	--	--	3.97	17.16	17.16
HA-5	3/13/2006	21.13	--	--	--	4.94	16.19	16.19
HA-5	4/18/2006	21.13	--	--	--	5.28	15.85	15.85
HA-5	5/12/2006	21.13	--	--	--	5.70	15.43	15.43
HA-5	6/5/2006	21.13	--	--	--	5.42	15.71	--
HA-5	6/9/2006	21.13	--	--	--	5.31	15.82	15.82
HA-5	7/13/2006	21.13	--	--	--	6.39	14.74	14.74
HA-5	8/16/2006	21.13	--	--	--	7.35	13.78	13.78
HA-5	9/19/2006	21.13	--	--	--	7.80	13.33	13.33
HA-5	10/13/2006	21.13	--	--	--	7.52	13.61	13.61
HA-5	10/23/2006	21.13	--	--	--	7.54	13.59	--
HA-5	11/20/2006	21.13	--	--	--	3.70	17.43	17.43
HA-5	12/8/2006	21.13	--	--	--	4.69	16.44	16.44
HA-5	1/19/2007	21.13	--	--	--	3.22	17.91	17.91
HA-5	2/19/2007	21.13	--	--	--	5.25	15.88	15.88
HA-5	3/14/2007	21.13	--	--	--	4.38	16.75	--
HA-5	3/15/2007	21.13	--	--	--	4.31	16.82	16.82
HA-5	4/16/2007	21.13	--	--	--	4.76	16.37	16.37
HA-5	5/14/2007	21.13	--	--	--	6.05	15.08	15.08
HA-5	6/29/2007	21.13	--	--	--	7.17	13.96	13.96
HA-5	7/20/2007	21.13	--	--	--	7.57	13.56	13.56
HA-5	8/21/2007	21.13	--	--	--	8.15	12.98	12.98
HA-5	9/10/2007	21.13	--	--	--	8.24	12.89	12.89
HA-5	10/22/2007	21.13	--	--	--	6.92	14.21	14.21
HA-5	11/28/2007	21.13	--	--	--	6.33	14.80	14.80
HA-5	12/13/2007	21.13	--	--	--	5.08	16.05	16.05
HA-5	1/21/2008	21.13	--	--	--	4.96	16.17	16.17
HA-5	2/24/2008	21.13	--	--	--	5.73	15.40	15.40
HA-5	3/24/2008	21.13	--	--	--	8.99	12.14	12.14
HA-5	6/2/2008	21.13	--	--	--	7.04	14.09	--
HA-5	8/25/2008	21.13	--	--	--	7.65	13.48	13.48

Table 5

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

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	
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	--	

Table 5

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

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	
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	

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

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
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

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

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
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	--

Table 5

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

HA-11	11/25/2013	20.69	--	--	--	7.05	13.64	--
HA-11	2/14/2014	20.69	--	--	--	6.45	14.24	--
HA-11	5/5/2014	20.69	--	--	--	6.17	14.52	--
HA-11	8/19/2014	20.69	--	--	--	7.83	12.86	--
HA-11	11/21/2014	20.69	--	--	DRY			
HA-12	1/27/1993	19.91	--	--	--	4.01	15.90	--
HA-12	3/12/1993	19.91	--	--	--	7.36	12.55	--
HA-12	4/14/1993	19.91	--	--	--	5.92	13.99	--
HA-12	12/15/1993	19.91	--	--	--	7.02	12.89	--
HA-12	11/4/1994	19.91	--	--	--	9.06	10.85	--
HA-12	2/22/1995	19.91	--	--	--	3.80	16.11	--
HA-12	6/16/1995	19.91	--	--	--	7.40	12.51	--
HA-12	10/20/1995	19.91	--	--	--	7.40	12.51	--
HA-12	4/4/1996	19.91	--	--	--	5.65	14.26	--
HA-12	4/16/1996	19.91	--	--	--	5.26	14.65	--
HA-12	5/1/1997	19.91	--	--	--	6.13	13.78	--
HA-12	8/26/1997	19.91	--	--	--	8.58	11.33	--
HA-12	9/18/1997	19.91	--	--	--	8.70	11.21	--
HA-12	5/1/1998	19.91	--	--	--	6.65	13.26	--
HA-12	7/29/1999	19.91	--	--	--	7.46	12.45	--
HA-12	5/22/2000	19.91	--	--	--	7.63	12.28	--
HA-12	5/22/2001	19.91	--	--	--	7.29	12.62	--
HA-12	6/5/2002	19.91	--	--	--	7.06	12.85	--
HA-12	11/24/2002	22.47	--	--	--	7.43	15.04	15.04
HA-12	5/28/2003	22.47	--	--	--	7.84	14.63	--
HA-12	6/16/2004	22.47	--	--	--	8.43	14.04	--
HA-12	6/21/2005	22.47	--	--	--	6.67	15.80	--
HA-12	6/5/2006	22.47	--	--	--	5.91	16.56	--
HA-12	10/23/2006	22.47	--	--	--	8.71	13.76	--
HA-12	3/14/2007	22.47	--	--	--	5.11	17.36	--
HA-12	6/29/2007	22.47	--	--	--	8.07	14.40	14.40
HA-12	7/20/2007	22.47			Not Monitored			NM
HA-12	8/21/2007	22.47			Not Monitored			NM
HA-12	9/10/2007	22.47	--	--	--	9.38	13.09	NM
HA-12	10/22/2007	22.47			Not Monitored			NM
HA-12	11/28/2007	22.47	--	--	--	7.50	14.97	14.97
HA-12	12/13/2007	22.47			Not Monitored			NM
HA-12	1/21/2008	22.47	--	--	--	4.09	18.38	18.38
HA-12	2/24/2008	22.47	--	--	--	6.81	15.66	15.66
HA-12	3/24/2008	22.47	--	--	--	6.87	15.60	15.60
HA-12	6/2/2008	22.47	--	--	--	8.14	14.33	--
HA-12	8/25/2008	22.47	--	--	--	8.67	13.80	13.80
HA-12	2/18/2009	22.47			Not Monitored			NM
HA-12	8/25/2009	22.47	--	--	--	8.67	13.80	NM
HA-12	3/22/2010	22.47	--	--	--	6.00	16.47	16.47
HA-12	8/23/2010	22.47			Dry			0.00
HA-12	2/7/2011	22.47	--	--	--	5.46	17.01	--
HA-12	5/27/2011	22.47	--	--	--	6.34	16.13	--
HA-12	8/8/2011	22.47	--	--	--	8.39	14.08	--
HA-12	11/14/2011	22.47	--	--	--	8.05	14.42	--
HA-12	2/20/2012	22.47	--	--	--	5.20	17.27	--
HA-12	8/22/2012	22.47	--	--	--	Dry	--	--
HA-12	11/5/2012	22.47	--	--	--	6.02	16.45	--
HA-12	1/28/2013	22.47	--	--	--	5.32	17.15	--
HA-12	5/9/2013	22.47	--	--	--	6.68	15.79	--
HA-12	8/19/2013	22.47	--	--	--	8.02	14.45	--
HA-12	11/25/2013	22.47	--	--	--	6.83	15.64	--
HA-12	2/14/2014	22.47	--	--	--	5.63	16.84	--
HA-12	5/5/2014	22.47	--	--	--	5.32	17.15	--
HA-12	8/19/2014	22.47	--	--	--	Dry	--	--
HA-13	1/27/1993	19.56	--	--	--	5.32	14.24	--
HA-13	3/12/1993	19.56	--	--	--	8.23	11.33	--
HA-13	4/14/1993	19.56	--	--	--	7.08	12.48	--
HA-13	12/15/1993	19.56	--	--	--	6.34	13.22	--
HA-13	11/4/1994	19.56	--	--	--	8.93	10.63	--
HA-13	2/22/1995	19.56	--	--	--	4.54	15.02	--
HA-13	6/16/1995	19.56	--	--	--	8.83	10.73	--
HA-13	10/20/1995	19.56	--	--	--	8.23	11.33	--
HA-13	4/4/1996	19.56	--	--	--	7.06	12.50	--
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

Table 5

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

HA-13	5/9/2003	22.73	--	--	--	8.36	14.37	14.37
HA-13	5/23/2003	22.73	--	--	--	8.93	13.80	13.80
HA-13	5/27/2003	22.73	--	--	--	8.89	13.84	--
HA-13	5/28/2003	22.73	--	--	--	8.98	13.75	13.75
HA-13	6/13/2003	22.73	--	--	--	6.08	16.65	16.65
HA-13	6/18/2003	22.73	--	--	--	9.12	13.61	13.61
HA-13	6/27/2003	22.73	--	--	--	9.07	13.66	13.66
HA-13	7/7/2003	22.73	--	--	--	9.55	13.18	13.18
HA-13	7/16/2003	22.73	--	--	--	9.42	13.31	13.31
HA-13	7/31/2003	22.73	--	--	--	9.59	13.14	13.14
HA-13	8/5/2003	22.73	--	--	--	9.63	13.10	13.10
HA-13	8/11/2003	22.73	--	--	--	10.75	11.98	11.98
HA-13	8/22/2003	22.73	--	--	--	11.26	11.47	11.47
HA-13	8/26/2003	22.73	--	--	--	9.87	12.86	12.86
HA-13	9/2/2003	22.73	--	--	--	10.31	12.42	12.42
HA-13	9/9/2003	22.73	--	--	--	10.46	12.27	12.27
HA-13	9/19/2003	22.73	--	--	--	10.46	12.27	12.27
HA-13	10/14/2003	22.73	--	--	Not Monitored	--	--	--
HA-13	11/20/2003	22.73	--	--	--	5.70	17.03	17.03
HA-13	12/3/2003	22.73	--	--	--	5.91	16.82	16.82
HA-13	1/19/2004	22.73	--	--	--	5.91	16.82	16.82
HA-13	2/24/2004	22.73	--	--	--	6.92	15.81	15.81
HA-13	3/15/2004	22.73	--	--	--	7.81	14.92	14.92
HA-13	4/19/2004	22.73	--	--	--	8.56	14.17	14.17
HA-13	5/17/2004	22.73	--	--	--	9.07	13.66	13.66
HA-13	6/16/2004	22.73	--	--	--	7.99	14.74	--
HA-13	6/22/2004	22.73	--	--	--	8.98	13.75	13.75
HA-13	8/18/2004	22.73	--	--	--	9.79	12.94	12.94
HA-13	9/21/2004	22.73	--	--	--	8.64	14.09	14.09
HA-13	10/19/2004	22.73	--	--	--	8.16	14.57	14.57
HA-13	11/23/2004	22.73	--	--	--	8.62	14.11	14.11
HA-13	12/21/2004	22.73	--	--	--	6.84	15.89	15.89
HA-13	1/13/2005	22.73	--	--	--	7.80	14.93	14.93
HA-13	4/28/2005	22.73	--	--	--	7.07	15.66	15.66
HA-13	6/1/2005	22.73	--	--	--	7.83	14.90	14.90
HA-13	6/21/2005	22.73	--	--	--	8.34	14.39	--
HA-13	6/29/2005	22.73	--	--	--	8.77	13.96	13.96
HA-13	7/20/2005	22.73	--	--	--	9.05	13.68	13.68
HA-13	8/22/2005	22.73	--	--	--	9.28	13.45	13.45
HA-13	9/12/2005	22.73	--	--	--	9.61	13.12	13.12
HA-13	10/12/2005	22.73	--	--	--	9.96	12.77	12.77
HA-13	11/21/2005	22.73	--	--	--	7.78	14.95	14.95
HA-13	12/27/2005	22.73	--	--	--	5.36	17.37	17.37
HA-13	1/30/2006	22.73	--	--	--	3.60	19.13	19.13
HA-13	2/16/2006	22.73	--	--	--	6.05	16.68	16.68
HA-13	3/13/2006	22.73	--	--	--	7.26	15.47	15.47
HA-13	4/18/2006	22.73	--	--	--	7.70	15.03	15.03
HA-13	5/12/2006	22.73	--	--	--	8.21	14.52	14.52
HA-13	6/5/2006	22.73	--	--	--	7.74	14.99	--
HA-13	6/9/2006	22.73	--	--	--	7.80	14.93	14.93
HA-13	7/13/2006	22.73	--	--	--	8.82	13.91	13.91
HA-13	8/16/2006	22.73	--	--	--	9.84	12.89	12.89
HA-13	9/19/2006	22.73	--	--	--	9.70	13.03	13.03
HA-13	10/13/2006	22.73	--	--	--	9.46	13.27	13.27
HA-13	10/23/2006	22.73	--	--	--	9.45	13.28	--
HA-13	11/20/2006	22.73	--	--	--	4.85	17.88	17.88
HA-13	12/8/2006	22.73	--	--	--	5.67	17.06	17.06
HA-13	1/19/2007	22.73	--	--	--	5.08	17.65	17.65
HA-13	2/19/2007	22.73	--	--	--	7.39	15.34	15.34
HA-13	3/14/2007	22.73	--	--	--	6.28	16.45	--
HA-13	3/15/2007	22.73	--	--	--	6.36	16.37	16.37
HA-13	4/16/2007	22.73	--	--	--	7.18	15.55	15.55
HA-13	5/14/2007	22.73	--	--	--	8.40	14.33	14.33
HA-13	6/29/2007	22.73	--	--	--	9.26	13.47	13.47
HA-13	7/20/2007	22.73	--	--	--	9.51	13.22	13.22
HA-13	8/21/2007	22.73	--	--	--	9.89	12.84	12.84
HA-13	9/10/2007	22.73	--	--	--	9.91	12.82	12.82
HA-13	10/22/2007	22.73	--	--	--	8.11	14.62	14.62
HA-13	11/28/2007	22.73	--	--	--	8.22	14.51	14.51
HA-13	12/13/2007	22.73	6.32	16.41	0.01	6.33	16.41	16.42
HA-13	1/21/2008	22.73	--	--	--	6.83	15.90	15.90
HA-13	2/24/2008	22.73	--	--	--	7.55	15.18	15.18
HA-13	3/24/2008	22.73	--	--	--	7.89	14.84	14.84
HA-13	6/2/2008	22.73	--	--	--	9.03	13.70	--
HA-13	8/25/2008	22.73	--	--	--	9.29	13.44	13.44
HA-13	2/18/2009	22.73	--	--	Not Monitored	--	--	NM
HA-13	8/25/2009	22.73	--	--	Not Monitored	--	--	NM
HA-13	3/22/2010	22.73	--	--	--	7.52	15.21	15.21
HA-13	8/23/2010	22.73	--	--	--	9.35	13.38	13.38
HA-13	2/7/2011	22.73	--	--	--	6.48	16.25	--
HA-13	5/27/2011	22.73	--	--	--	7.55	15.18	--
HA-13	8/8/2011	22.73	--	--	--	9.21	13.52	--
HA-13	11/14/2011	22.73	--	--	--	8.69	14.04	--
HA-13	2/20/2012	22.73	--	--	--	5.17	17.56	--
HA-13	8/22/2012	22.73	--	--	--	9.11	13.62	--
HA-13	11/5/2012	22.73	--	--	--	4.28	18.45	--
HA-13	1/28/2013	22.73	--	--	--	6.19	16.54	--
HA-13	5/9/2013	22.73	--	--	--	7.57	15.16	--
HA-13	8/19/2013	22.73	--	--	--	9.51	13.22	--
HA-13	11/25/2013	22.73	--	--	--	7.19	15.54	--
HA-13	2/14/2014	22.73	--	--	--	5.07	17.66	--
HA-13	5/5/2014	22.73	--	--	--	4.48	18.25	--
HA-13	8/19/2014	22.73	--	--	--	9.33	13.40	--
HA-13	11/21/2014	22.73	--	--	--	7.26	15.47	--
HA-14	1/27/1993	20.02	--	--	--	6.10	13.92	--
HA-14	3/12/1993	20.02	--	--	--	8.80	11.22	--
HA-14	4/14/1993	20.02	--	--	--	7.04	12.98	--
HA-14	12/15/1993	20.02	--	--	--	8.56	11.46	--
HA-14	11/4/1994	20.02	--	--	--	8.35	11.67	--
HA-14	2/22/1995	20.02	--	--	--	5.10	14.92	--
HA-14	6/16/1995	20.02	--	--	--	9.51	10.51	--

Table 5

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

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

Table 5

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

HA-16	8/22/2005	22.07	--	--	--	8.00	14.07	14.07
HA-16	9/12/2005	22.07	--	--	--	8.58	13.49	13.49
HA-16	10/12/2005	22.07	--	--	--	9.29	12.78	12.78
HA-16	11/21/2005	22.07	--	--	--	6.99	15.08	15.08
HA-16	12/27/2005	22.07	--	--	--	6.14	15.93	15.93
HA-16	1/31/2006	22.07	2.75	19.32	0.01	2.76	19.32	19.33
HA-16	2/16/2006	22.07	--	--	--	4.26	17.81	17.81
HA-16	3/13/2006	22.07	--	--	--	5.25	16.82	16.82
HA-16	4/18/2006	22.07	--	--	--	5.71	16.36	16.36
HA-16	5/12/2006	22.07	--	--	--	6.10	15.97	15.97
HA-16	6/9/2006	22.07	--	--	--	5.75	16.32	16.32
HA-16	7/13/2006	22.07	--	--	--	7.00	15.07	15.07
HA-16	8/16/2006	22.07	--	--	--	8.00	14.07	14.07
HA-16	9/19/2006	22.07	--	--	--	8.60	13.47	13.47
HA-16	10/13/2006	22.07	--	--	--	8.36	13.71	13.71
HA-16	11/20/2006	22.07	--	--	--	4.42	17.65	17.65
HA-16	12/8/2006	22.07	--	--	--	3.96	18.11	18.11
HA-16	1/19/2007	22.07	--	--	--	3.66	18.41	18.41
HA-16	2/19/2007	22.07	--	--	--	5.84	16.23	16.23
HA-16	3/15/2007	22.07	--	--	--	4.60	17.47	17.47
HA-16	4/16/2007	22.07	--	--	--	5.13	16.94	16.94
HA-16	5/14/2007	22.07	--	--	--	6.70	15.37	15.37
HA-16	6/29/2007	22.07	--	--	--	7.91	14.16	14.16
HA-16	7/20/2007	22.07	--	--	--	8.37	13.70	13.70
HA-16	8/21/2007	22.07	--	--	--	9.05	13.02	13.02
HA-16	9/10/2007	22.07	--	--	--	9.11	12.96	12.96
HA-16	10/22/2007	22.07	--	--	--	7.95	14.12	14.12
HA-16	11/28/2007	22.07	--	--	--	7.20	14.87	14.87
HA-16	12/13/2007	22.07	5.77	16.30	0.01	5.78	16.30	16.31
HA-16	1/21/2008	22.07	--	--	--	5.75	16.32	16.32
HA-16	2/24/2008	22.07	--	--	--	6.32	15.75	15.75
HA-16	3/24/2008	22.07	--	--	--	6.65	15.42	15.42
HA-16	8/25/2008	22.07	--	--	--	8.60	13.47	13.47
HA-16	2/18/2009	22.07	--	--	--	6.64	15.43	15.43
HA-16	8/25/2009	22.07	--	--	--	9.87	12.20	12.20
HA-16	3/22/2010	22.07	--	--	--	5.53	16.54	16.54
HA-16	8/23/2010	22.07	--	--	--	8.08	13.99	13.99
HA-16	2/7/2011	22.07	--	--	--	5.18	16.89	--
HA-16	5/27/2011	22.07	--	--	--	6.08	15.99	--
HA-16	8/8/2011	22.07	--	--	--	8.15	13.92	--
HA-16	11/14/2011	22.07	--	--	--	7.85	14.22	--
HA-16	2/20/2012	22.07	--	--	--	4.61	17.46	--
HA-16	8/22/2012	22.07	--	--	--	7.85	14.22	--
HA-16	11/5/2012	22.07	--	--	--	7.17	14.90	--
HA-16	1/28/2013	22.07	--	--	--	4.73	17.34	--
HA-16	5/9/2013	22.07	--	--	--	5.89	16.18	--
HA-16	8/19/2013	22.07	--	--	--	8.64	13.43	--
HA-16	11/25/2013	22.07	--	--	--	6.10	15.97	--
HA-16	2/14/2014	22.07	--	--	--	5.54	16.53	--
HA-16	5/5/2014	22.07	--	--	--	3.94	18.13	--
HA-16	8/19/2014							
Decommissioned Well								
HA-17	8/11/2003	21.92						
HA-17	3/15/2004	21.92	--	--	DRY	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	--

Table 5

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

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
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

Table 5

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

LAI-1	2/21/2003	20.94	--	--	--	5.52	15.42	15.42
LAI-1	2/24/2003	20.94	--	--	--	5.96	14.98	14.98
LAI-1	3/3/2003	20.94	--	--	--	5.76	15.18	15.18
LAI-1	3/12/2003	20.94	--	--	--	5.48	15.46	15.46
LAI-1	3/14/2003	20.94	--	--	--	5.09	15.85	15.85
LAI-1	3/26/2003	20.94	--	--	--	4.76	16.18	16.18
LAI-1	3/28/2003	20.94	--	--	--	4.86	16.08	16.08
LAI-1	4/2/2003	20.94	5.21	15.73	0.01	5.22	15.73	15.74
LAI-1	4/4/2003	20.94	5.19	15.75	0.01	5.20	15.75	15.76
LAI-1	4/8/2003	20.94	5.67	15.27	0.01	5.68	15.27	15.28
LAI-1	4/11/2003	20.94	5.07	15.87	0.01	5.08	15.87	15.88
LAI-1	4/15/2003	20.94	4.62	16.32	0.01	4.63	16.32	16.33
LAI-1	4/17/2003	20.94	6.14	14.80	0.01	6.15	14.80	14.81
LAI-1	4/22/2003	20.94	--	--	--	5.21	15.73	15.73
LAI-1	4/25/2003	20.94	--	--	--	5.43	15.51	15.51
LAI-1	5/2/2003	20.94	--	--	--	5.53	15.41	15.41
LAI-1	5/6/2003	20.94	--	--	--	5.66	15.28	15.28
LAI-1	5/9/2003	20.94	--	--	--	6.15	14.79	14.79
LAI-1	5/16/2003	20.94	--	--	--	6.40	14.54	14.54
LAI-1	5/23/2003	20.94	6.50	14.44	0.01	6.51	14.44	14.45
LAI-1	5/28/2003	20.94	6.45	14.49	0.01	6.46	14.49	14.50
LAI-1	6/13/2003	20.94	6.79	14.15	0.01	6.80	14.15	14.16
LAI-1	6/18/2003	20.94	--	--	--	6.78	14.16	14.16
LAI-1	6/27/2003	20.94	--	--	--	6.81	14.13	14.13
LAI-1	7/7/2003	20.94	--	--	--	7.41	13.53	13.53
LAI-1	7/16/2003	20.94	--	--	--	6.43	14.51	14.51
LAI-1	7/31/2003	20.94	--	--	--	7.49	13.45	13.45
LAI-1	8/5/2003	20.94	--	--	--	7.61	13.33	13.33
LAI-1	8/11/2003	20.94	--	--	--	8.80	12.14	12.14
LAI-1	8/22/2003	20.94	--	--	--	8.98	11.96	11.96
LAI-1	8/26/2003	20.94	--	--	--	7.91	13.03	13.03
LAI-1	9/2/2003	20.94	--	--	--	8.07	12.87	12.87
LAI-1	9/9/2003	20.94	8.39	12.55	0.01	8.40	12.55	12.56
LAI-1	9/19/2003	20.94	--	--	--	8.27	12.67	12.67
LAI-1	10/14/2003	20.94	--	--	--	8.34	12.60	12.60
LAI-1	11/20/2003	20.94	--	--	--	4.63	16.31	16.31
LAI-1	12/3/2003	20.94	--	--	--	4.10	16.84	16.84
LAI-1	1/19/2004	20.94	--	--	--	3.82	17.12	17.12
LAI-1	2/24/2004	20.94	--	--	--	5.22	15.72	15.72
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	--

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

LAI-1	5/5/2014	20.94	--	--	--	4.68	16.26	--
LAI-1	8/19/2014	20.94	--	--	--	7.33	13.61	--
LAI-1	11/21/2014	20.94	--	--	--	4.87	16.07	--
LAI-2	1/17/2003	20.89	--	--	--	4.14	16.75	--
LAI-2	1/20/2003	20.89	--	--	--	4.25	16.64	16.75
LAI-2	1/31/2003	20.89	--	--	--	4.55	16.34	16.64
LAI-2	2/7/2003	20.89	--	--	--	4.41	16.48	16.34
LAI-2	2/12/2003	20.89	--	--	--	4.71	16.18	16.18
LAI-2	2/18/2003	20.89	--	--	--	5.44	15.45	15.45
LAI-2	2/21/2003	20.89	--	--	--	5.61	15.28	15.28
LAI-2	2/24/2003	20.89	--	--	--	5.89	15.00	15.00
LAI-2	3/3/2003	20.89	--	--	--	5.17	15.72	15.72
LAI-2	3/12/2003	20.89	--	--	--	5.37	15.52	15.52
LAI-2	3/14/2003	20.89	--	--	--	5.24	15.65	15.65
LAI-2	3/26/2003	20.89	--	--	--	4.61	16.28	16.28
LAI-2	3/28/2003	20.89	--	--	--	4.72	16.17	16.17
LAI-2	4/2/2003	20.89	--	--	--	5.51	15.38	15.38
LAI-2	4/4/2003	20.89	--	--	--	5.48	15.41	15.41
LAI-2	4/8/2003	20.89	--	--	--	5.55	15.34	15.34
LAI-2	4/11/2003	20.89	--	--	--	5.19	15.70	15.70
LAI-2	4/15/2003	20.89	--	--	--	4.80	16.09	16.09
LAI-2	4/17/2003	20.89	--	--	--	5.96	14.93	14.93
LAI-2	4/22/2003	20.89	--	--	--	5.33	15.56	15.56
LAI-2	4/25/2003	20.89	--	--	--	5.49	15.40	15.40
LAI-2	5/2/2003	20.89	--	--	--	5.78	15.11	15.11
LAI-2	5/6/2003	20.89	--	--	--	5.42	15.47	15.47
LAI-2	5/9/2003	20.89	--	--	--	6.30	14.59	14.59
LAI-2	5/16/2003	20.89	--	--	--	6.54	14.35	14.35
LAI-2	5/23/2003	20.89	--	--	--	6.63	14.26	14.26
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	--

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

LAIx-4	6/9/2006	25.50	--	--	--	13.45	12.05	12.05
LAIx-4	7/13/2006	25.50	--	--	--	15.65	9.85	9.85
LAIx-4	8/16/2006	25.50	15.41	10.09	0.02	15.43	10.09	10.10
LAIx-4	9/19/2006	25.50	--	--	--	15.05	10.45	10.45
LAIx-4	10/13/2006	25.50	--	--	--	15.13	10.37	10.37
LAIx-4	11/20/2006	25.50	--	--	--	12.43	13.07	13.07
LAIx-4	12/8/2006	25.50	--	--	--	12.76	12.74	12.74
LAIx-4	1/19/2007	25.50	--	--	--	12.38	13.12	13.12
LAIx-4	2/19/2007	25.50	--	--	--	12.96	12.54	12.54
LAIx-4	3/15/2007	25.50	--	--	--	12.70	12.80	12.80
LAIx-4	4/16/2007	25.50	--	--	--	13.11	12.39	12.39
LAIx-4	5/14/2007	25.50	--	--	--	13.73	11.77	11.77
LAIx-4	6/29/2007	25.50	--	--	--	14.19	11.31	11.31
LAIx-4	7/20/2007	25.50	--	--	--	14.57	10.93	10.93
LAIx-4	8/21/2007	25.50	--	--	--	14.74	10.76	10.76
LAIx-4	9/10/2007	25.50	--	--	--	14.82	10.68	10.68
LAIx-4	10/22/2007	25.50	--	--	--	13.64	11.86	11.86
LAIx-4	11/28/2007	25.50	--	--	--	13.45	12.05	12.05
LAIx-4	12/13/2007	25.50	--	--	--	12.80	12.70	12.70
LAIx-4	1/21/2008	25.50	--	--	--	8.78	16.72	16.72
LAIx-4	2/24/2008	25.50	--	--	--	13.23	12.27	12.27
LAIx-4	3/24/2008	25.50	--	--	--	12.81	12.69	12.69
LAIx-4	8/25/2008	25.50	--	--	--	13.97	11.53	11.53
LAIx-4	2/18/2009	22.50	--	--	--	13.44	9.06	9.06
LAIx-4	8/25/2009	22.50	--	--	--	15.09	7.41	7.41
LAIx-4	3/22/2010	22.50	--	--	--	13.20	9.30	9.30
LAIx-4	8/23/2010	25.50	--	--	--	12.67	12.83	12.83
LAIx-4	2/7/2011	25.50	--	--	--	12.68	12.82	--
LAIx-4	5/27/2011	25.50			Not Monitored			
LAI-5	1/22/2003	23.04	6.55	16.49	4.18	10.73	15.45	18.58
LAI-5	1/23/2003	23.04	6.54	16.50	4.02	10.56	15.50	18.51
LAI-5	1/24/2003	23.04	6.40	16.64	3.92	10.32	15.66	18.60
LAI-5	1/27/2003	23.04	5.51	17.53	3.66	9.17	16.62	19.36
LAI-5	1/28/2003	23.04	6.85	16.19	0.55	7.40	16.05	16.47
LAI-5	1/29/2003	23.04	6.20	16.84	4.20	10.40	15.79	18.94
LAI-5	1/30/2003	23.04	6.31	16.73	4.04	10.35	15.72	18.75
LAI-5	2/3/2003	23.04	6.36	16.68	3.29	9.65	15.86	18.33
LAI-5	2/6/2003	24.52	7.18	17.34	3.57	10.75	16.45	19.13
LAI-5	2/11/2003	24.52	7.53	16.99	3.64	11.17	16.08	18.81
LAI-5	2/18/2003	24.52	6.50	18.02	4.75	11.25	16.83	20.40
LAI-5	2/21/2003	24.52	8.21	16.31	3.30	11.51	15.49	17.96
LAI-5	2/26/2003	24.52	7.78	16.74	3.23	11.01	15.93	18.36
LAI-5	3/4/2003	24.52	7.78	16.74	3.23	11.01	15.93	18.36
LAI-5	3/12/2003	24.52	8.32	16.20	3.36	11.68	15.36	17.88
LAI-5	3/14/2003	24.52	8.36	16.16	3.08	11.44	15.39	17.70
LAI-5	3/26/2003	24.52	--	--	--	10.01	14.51	14.51
LAI-5	3/28/2003	24.52	--	--	--	9.96	14.56	14.56
LAI-5	4/2/2003	24.52	8.52	16.00	0.83	9.35	15.79	16.42
LAI-5	4/4/2003	24.52	8.90	15.62	0.68	9.58	15.45	15.96
LAI-5	4/8/2003	24.52	8.96	15.56	0.55	9.51	15.42	15.84
LAI-5	4/11/2003	24.52	8.72	15.80	1.62	10.34	15.40	16.61
LAI-5	4/15/2003	24.52	8.01	16.51	2.43	10.44	15.90	17.73
LAI-5	4/17/2003	24.52	9.60	14.92	0.16	9.76	14.88	15.00
LAI-5	4/22/2003	24.52	9.04	15.48	0.39	9.43	15.38	15.68
LAI-5	4/25/2003	24.52	9.05	15.47	2.10	11.15	14.95	16.52
LAI-5	5/2/2003	24.52	9.48	15.04	0.24	9.72	14.98	15.16
LAI-5	5/6/2003	24.52	8.94	15.58	2.24	11.18	15.02	16.70
LAI-5	5/9/2003	24.52	10.28	14.24	0.07	10.35	14.22	14.28
LAI-5	5/23/2003	24.52	10.65	13.87	0.02	10.67	13.87	13.88
LAI-5	5/28/2003	24.52	10.36	14.16	0.09	10.45	14.14	14.21
LAI-5	6/13/2003	24.52	10.58	13.94	0.05	10.63	13.93	13.97
LAI-5	6/18/2003	24.52	10.51	14.01	0.01	10.52	14.01	14.02
LAI-5	6/27/2003	24.52	10.08	14.44	1.63	11.71	14.03	15.26
LAI-5	7/7/2003	24.52	10.52	14.00	1.85	12.37	13.54	14.93
LAI-5	7/16/2003	24.52	10.30	14.22	2.15	12.45	13.68	15.30
LAI-5	7/31/2003	24.52	10.77	13.75	1.67	12.44	13.33	14.59
LAI-5	8/5/2003	24.52	11.30	13.22	2.35	13.65	12.63	14.40
LAI-5	8/11/2003	24.52	--	--	--	12.22	12.30	12.30
LAI-5	8/22/2003	24.52	--	--	--	12.34	12.18	12.18
LAI-5	8/26/2003	24.52	12.39	12.13	1.29	13.68	11.81	12.78
LAI-5	9/2/2003	24.52	11.57	12.95	0.03	11.60	12.94	12.97
LAI-5	9/9/2003	24.52	11.14	13.38	2.49	13.63	12.76	14.63
LAI-5	9/19/2003	24.52	11.89	12.63	0.57	12.46	12.49	12.92
LAI-5	10/14/2003	24.52	12.13	12.39	0.45	12.58	12.28	12.62
LAI-5	11/20/2003	24.52	--	--	--	8.72	15.80	15.80
LAI-5	12/3/2003	24.52	7.76	16.76	0.33	8.09	16.68	16.93
LAI-5	1/19/2004	24.52	7.38	17.14	0.07	7.45	17.12	17.18
LAI-5	2/24/2004	24.52	8.65	15.87	0.11	8.76	15.84	15.93
LAI-5	3/15/2004	24.52	--	--	--	9.94	14.58	14.58
LAI-5	4/19/2004	24.52	--	--	--	10.19	14.33	14.33
LAI-5	5/17/2004	24.52	--	--	--	11.14	13.38	13.38
LAI-5	6/22/2004	24.52	11.10	13.42	0.01	11.11	13.42	13.43
LAI-5	8/18/2004	24.52	--	--	--	12.17	12.35	12.35
LAI-5	9/21/2004	24.52	--	--	--	11.16	13.36	13.36
LAI-5	10/19/2004	25.52	--	--	--	10.29	15.23	15.23
LAI-5	11/23/2004	25.52	--	--	--	10.48	15.04	15.04
LAI-5	12/21/2004	25.52	--	--	--	8.99	16.53	16.53
LAI-5	1/13/2005	25.52	--	--	--	9.47	16.05	16.05
LAI-5	4/28/2005	25.52	--	--	--	9.32	16.20	16.20
LAI-5	6/1/2005	25.52	--	--	--	9.61	15.91	15.91
LAI-5	6/29/2005	25.52	--	--	--	11.40	14.12	14.12
LAI-5	7/20/2005	25.52	--	--	--	11.47	14.05	14.05
LAI-5	8/22/2005	25.52	--	--	--	11.44	14.08	14.08
LAI-5	5/27/2011	25.52			Not Monitored			
LAIx-5	9/12/2005	25.63	--	--	--	14.18	11.45	11.45
LAIx-5	10/12/2005	25.63	--	--	--	14.58	11.05	11.05
LAIx-5	11/21/2005	25.63	--	--	--	12.08	13.55	13.55
LAIx-5	12/27/2005	25.63	11.10	14.53	0.05	11.15	14.52	14.56
LAIx-5	1/30/2006	25.63	7.33	18.30	2.73	10.06	17.62	19.67
LAIx-5	2/16/2006	25.63	12.10	13.53	0.00	12.10	13.53	13.53

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

LAI-6	4/28/2005	22.86	--	--	--	7.05	15.81	15.81
LAI-6	6/1/2005	22.86	--	--	--	7.68	15.18	15.18
LAI-6	6/29/2005	22.86	--	--	--	9.20	13.66	13.66
LAI-6	7/20/2005	22.86	--	--	--	9.43	13.43	13.43
LAI-6	8/22/2005	22.86	--	--	--	9.47	13.39	13.39
LAI-6	5/27/2011	22.86			Not Monitored			
LAIx-6	9/12/2005	25.25	--	--	--	11.56	13.69	13.69
LAIx-6	10/12/2005	25.25	--	--	--	12.27	12.98	12.98
LAIx-6	11/21/2005	25.25	--	--	--	10.37	14.88	14.88
LAIx-6	12/27/2005	25.25	--	--	--	9.88	15.37	15.37
LAIx-6	12/21/2004	25.25	--	--	--	9.88	15.37	15.37
LAIx-6	1/30/2006	25.25	7.28	17.97	0.01	7.29	17.97	17.98
LAIx-6	2/16/2006	25.25	--	--	--	8.81	16.44	16.44
LAIx-6	3/13/2006	25.25	9.54	15.71	0.54	10.08	15.58	15.98
LAIx-6	4/18/2006	25.25	--	--	--	9.80	15.45	15.45
LAIx-6	5/12/2006	25.25	--	--	--	10.11	15.14	15.14
LAIx-6	6/9/2006	25.25	--	--	--	9.77	15.48	15.48
LAIx-6	7/13/2006	25.25	--	--	--	10.75	14.50	14.50
LAIx-6	8/16/2006	25.25	--	--	--	11.43	13.82	13.82
LAIx-6	9/19/2006	25.25	--	--	--	12.00	13.25	13.25
LAIx-6	10/13/2006	25.25	--	--	--	11.84	13.41	13.41
LAIx-6	11/20/2006	25.25	--	--	--	8.31	16.94	16.94
LAIx-6	12/8/2006	25.25	--	--	--	8.28	16.97	16.97
LAIx-6	1/19/2007	25.25	--	--	--	7.89	17.36	17.36
LAIx-6	2/19/2007	25.25	--	--	--	9.58	15.67	15.67
LAIx-6	3/15/2007	25.25	--	--	--	8.85	16.40	16.40
LAIx-6	4/16/2007	25.25	--	--	--	9.25	16.00	16.00
LAIx-6	5/14/2007	25.25	--	--	--	10.30	14.95	14.95
LAIx-6	6/29/2007	25.25	--	--	--	11.93	13.32	13.32
LAIx-6	7/20/2007	25.25	--	--	--	12.50	12.75	12.75
LAIx-6	8/21/2007	25.25	--	--	--	12.97	12.28	12.28
LAIx-6	9/10/2007	25.25	--	--	--	13.00	12.25	12.25
LAIx-6	10/22/2007	25.25	--	--	--	11.44	13.81	13.81
LAIx-6	11/28/2007	25.25	--	--	--	10.84	14.41	14.41
LAIx-6	12/13/2007	25.25	--	--	--	10.82	14.43	14.43
LAIx-6	1/21/2008	25.25	--	--	--	10.11	15.14	15.14
LAIx-6	2/24/2008	25.25	--	--	--	10.45	14.80	14.80
LAIx-6	3/24/2008	25.25	--	--	--	10.59	14.66	14.66
LAIx-6	8/25/2008	25.25	--	--	--	11.98	13.27	13.27
LAIx-6	2/18/2009	25.25	--	--	--	10.38	14.87	14.87
LAIx-6	8/25/2009	25.25	--	--	--	12.63	12.62	12.62
LAIx-6	3/22/2010	25.25	--	--	--	10.67	14.58	14.58
LAIx-6	8/23/2010	25.25	--	--	--	10.80	14.45	14.45
LAIx-6	2/7/2011	25.25	--	--	--	9.46	15.79	--
LAIx-6	5/27/2011	25.25			Not Monitored			
LAIx-6	11/14/2016	25.25	--	--	--	8.57	16.68	--
LAIx-6	2/17/2017	25.25	--	--	--	3.90	21.35	14.27
LAIx-6	5/24/2017	25.25	--	--	--	8.10	17.15	14.78
LAIx-6	9/26/2017	25.25	--	--	--	11.39	13.86	16.01
LAIx-6	9/28/2017	25.25	--	--	--	--	--	--
LAIx-6	12/11/2017	25.25	--	--	--	7.31	17.94	--
LAIx-6	2/26/2018	25.25	--	--	--	7.88	17.37	--
LAIx-6	6/11/2018	25.25	--	--	--	9.81	15.44	--
LAIx-6	8/27/2018	25.25	--	--	--	11.39	13.86	--
LAIx-6	12/17/2018	25.25	--	--	--	7.63	17.62	--
LAI-7	1/22/2003	21.82	8.10	13.72	1.10	9.20	13.45	--
LAI-7	1/23/2003	21.82	7.58	14.24	1.07	8.65	13.97	--
LAI-7	1/24/2003	21.82	6.99	14.83	2.36	9.35	14.24	--
LAI-7	1/27/2003	21.82	5.18	16.64	5.30	10.48	15.32	19.29
LAI-7	1/28/2003	21.82	7.08	14.74	0.90	7.98	14.52	15.19
LAI-7	1/29/2003	21.82	7.41	14.41	0.44	7.85	14.30	14.63
LAI-7	1/30/2003	21.82	8.11	13.71	0.26	8.37	13.65	13.84
LAI-7	2/3/2003	21.82	8.90	12.92	0.06	8.96	12.91	12.95
LAI-7	2/6/2003	24.28	7.82	16.46	1.56	9.38	16.07	17.24
LAI-7	2/11/2003	24.28	8.23	16.05	1.56	9.79	15.66	16.83
LAI-7	2/18/2003	24.28	9.45	14.83	0.20	9.65	14.78	14.93
LAI-7	2/21/2003	24.28	8.57	15.71	2.34	10.91	15.13	16.88
LAI-7	2/26/2003	24.28	8.53	15.75	3.18	11.71	14.96	17.34
LAI-7	3/3/2003	24.28	9.53	14.75	0.18	9.71	14.71	14.84
LAI-7	3/12/2003	24.28	8.99	15.29	0.19	9.18	15.24	15.39
LAI-7	3/14/2003	24.28	9.18	15.10	0.18	9.36	15.06	15.19
LAI-7	3/26/2003	24.28	--	--	--	9.97	14.31	14.31
LAI-7	3/28/2003	24.28	--	--	--	9.95	14.33	14.33
LAI-7	4/2/2003	24.28	8.79	15.49	0.08	8.87	15.47	15.53
LAI-7	4/4/2003	24.28	9.04	15.24	0.08	9.12	15.22	15.28
LAI-7	4/8/2003	24.28	8.53	15.75	0.10	8.63	15.73	15.80
LAI-7	4/11/2003	24.28	9.06	15.22	0.17	9.23	15.18	15.31
LAI-7	4/15/2003	24.28	8.41	15.87	0.94	9.35	15.64	16.34
LAI-7	4/17/2003	24.28	9.55	14.73	0.17	9.72	14.69	14.82
LAI-7	4/22/2003	24.28	9.03	15.25	0.34	9.37	15.17	15.42
LAI-7	4/25/2003	24.28	9.00	15.28	0.31	9.31	15.20	15.44
LAI-7	5/2/2003	24.28	9.60	14.68	0.05	9.65	14.67	14.71
LAI-7	5/6/2003	24.28	9.17	15.11	1.19	10.36	14.81	15.71
LAI-7	5/9/2003	24.28	10.04	14.24	0.06	10.10	14.23	14.27
LAI-7	5/23/2003	24.28	10.60	13.68	0.02	10.62	13.68	13.69
LAI-7	5/28/2003	24.28	10.21	14.07	0.01	10.22	14.07	14.08
LAI-7	6/13/2003	24.28	9.90	14.38	0.55	10.45	14.24	14.66
LAI-7	6/18/2003	24.28	10.57	13.71	0.02	10.59	13.71	13.72
LAI-7	6/27/2003	24.28	10.42	13.86	0.63	11.05	13.70	14.18
LAI-7	7/7/2003	24.28	10.85	13.43	0.52	11.37	13.30	13.69
LAI-7	7/16/2003	24.28	10.43	13.85	1.65	12.08	13.44	14.68
LAI-7	7/31/2003	24.28	11.06	13.22	0.31	11.37	13.14	13.38
LAI-7	8/5/2003	24.28	10.66	13.62	0.90	11.56	13.40	14.07
LAI-7	8/11/2003	24.28	12.45	11.83	0.01	12.46	11.83	11.84
LAI-7	8/22/2003	24.28	12.40	11.88	0.20	12.60	11.83	11.98
LAI-7	8/26/2003	24.28	11.32	12.96	1.43	12.75	12.60	13.68
LAI-7	9/2/2003	24.28	11.61	12.67	0.20	11.81	12.62	12.77
LAI-7	9/9/2003	24.28	11.66	12.62	1.64	13.30	12.21	13.44
LAI-7	9/19/2003	24.28	11.66	12.62	1.35	13.01	12.28	13.30
LAI-7	10/14/2003	24.28	11.59	12.69	1.46	13.05	12.33	13.42

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

Table with columns for well ID (e.g., LAI-7, LAI-8), date, and groundwater elevation data. Includes 'Not Monitored' entries and data for various dates from 2003 to 2011.

Table 5

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

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	12.72
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	--
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

Table 5

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

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	15.46
LAI-10	6/29/2005	19.87	--	--	--	5.45	14.42	14.42
LAI-10	7/20/2005	19.87	--	--	--	5.75	14.12	14.12
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	--
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

Table 5

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

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	13.67
LAI-11	9/12/2005	20.61	6.90	13.71	0.46	7.36	13.60	13.94
LAI-11	10/12/2005	20.61	8.185	12.43	0.005	8.19	12.42	12.43
LAI-11	11/21/2005	20.61	--	--	--	5.81	14.80	14.80
LAI-11	12/27/2005	20.61	--	--	--	5.24	15.37	15.37
LAI-11	1/30/2006	20.61	--	--	--	2.99	17.62	17.62
LAI-11	2/16/2006	20.61	--	--	--	4.44	16.17	16.17
LAI-11	3/13/2006	20.61	--	--	--	5.20	15.41	15.41
LAI-11	4/18/2006	20.61	--	--	--	5.43	15.18	15.18
LAI-11	5/12/2006	20.61	--	--	--	5.65	14.96	14.96
LAI-11	6/9/2006	20.61	--	--	--	5.48	15.13	15.13
LAI-11	7/13/2006	20.61	--	--	--	6.25	14.36	14.36
LAI-11	8/16/2006	20.61	--	--	--	7.05	13.56	13.56
LAI-11	9/19/2006	20.61	--	--	--	7.65	12.96	12.96
LAI-11	10/13/2006	20.61	--	--	--	7.46	13.15	13.15
LAI-11	11/20/2006	20.61	--	--	--	4.03	16.58	16.58
LAI-11	12/8/2006	20.61	--	--	--	4.12	16.49	16.49
LAI-11	1/19/2007	20.61	--	--	--	4.16	16.45	16.45
LAI-11	2/19/2007	20.61	--	--	--	5.31	15.30	15.30
LAI-11	3/15/2007	20.61	--	--	--	4.80	15.81	15.81
LAI-11	4/16/2007	20.61	--	--	--	5.10	15.51	15.51
LAI-11	5/14/2007	20.61	--	--	--	5.92	14.69	14.69
LAI-11	6/29/2007	20.61	--	--	--	6.82	13.79	13.79
LAI-11	7/20/2007	20.61	--	--	--	7.12	13.49	13.49
LAI-11	8/21/2007	20.61	--	--	--	7.76	12.85	12.85
LAI-11	9/10/2007	20.61	--	--	--	7.87	12.74	12.74
LAI-11	10/22/2007	20.61	--	--	--	7.26	13.35	13.35
LAI-11	11/28/2007	20.61	--	--	--	6.00	14.61	14.61
LAI-11	12/13/2007	20.61	--	--	--	5.06	15.55	15.55
LAI-11	1/21/2008	20.61	--	--	--	4.38	16.23	16.23
LAI-11	2/24/2008	20.61	--	--	--	5.71	14.90	14.90
LAI-11	3/24/2008	20.61	--	--	--	5.88	14.73	14.73
LAI-11	8/25/2008	20.61	--	--	--	6.40	14.21	14.21
LAI-11	2/18/2009	20.61	--	--	--	5.84	14.77	14.77
LAI-11	8/25/2009	20.61	--	--	--	7.95	12.66	12.66
LAI-11	3/22/2010	20.61	--	--	--	5.56	15.05	15.05
LAI-11	8/23/2010	20.61	--	--	--	7.36	13.25	13.25
LAI-11	2/7/2011	20.61	--	--	--	4.90	15.71	--
LAI-11	5/27/2011	20.61	--	--	Not Monitored	--	--	--
LAI-11	8/8/2011	20.61	--	--	--	6.89	13.72	--
LAI-11	11/14/2011	20.61	--	--	--	6.63	13.98	--
LAI-11	2/20/2012	20.61	--	--	--	4.94	15.67	--
LAI-11	8/22/2012	20.61	--	--	--	6.86	13.75	--
LAI-11	11/5/2012	20.61	--	--	--	6.00	14.61	--
LAI-11	1/28/2013	20.61	--	--	--	4.63	15.98	--
LAI-11	5/9/2013	20.61	--	--	--	5.43	15.18	--
LAI-11	8/19/2013	20.61	--	--	--	7.41	13.20	--
LAI-11	11/25/2013	20.61	--	--	--	5.64	14.97	--
LAI-11	2/14/2014	20.61	--	--	--	4.31	16.30	--
LAI-11	5/5/2014	20.61	--	--	--	3.56	17.05	--
LAI-11	8/19/2014	20.61	--	--	--	7.27	13.34	--
LAI-11	11/21/2014	20.61	--	--	--	5.03	15.58	--
LAI-12	1/31/2003	19.34	--	--	--	3.28	16.06	--
LAI-12	2/12/2003	19.34	--	--	--	3.98	15.36	16.06
LAI-12	2/18/2003	19.34	--	--	--	4.50	14.84	15.36
LAI-12	2/21/2003	19.34	--	--	--	4.60	14.74	14.84
LAI-12	2/24/2003	19.34	--	--	--	4.58	14.76	14.76
LAI-12	3/3/2003	19.34	--	--	--	4.61	14.73	14.73
LAI-12	3/12/2003	19.34	--	--	--	4.38	14.96	14.96
LAI-12	3/14/2003	19.34	--	--	--	4.17	15.17	15.17
LAI-12	3/26/2003	19.34	--	--	--	4.04	15.30	15.30
LAI-12	3/28/2003	19.34	--	--	--	4.10	15.24	15.24
LAI-12	4/2/2003	19.34	--	--	--	4.34	15.00	15.00
LAI-12	4/4/2003	19.34	--	--	--	4.45	14.89	14.89

Table 5

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

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
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	14.64
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

Table 5

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

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
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	--

Table 5

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

LAI-13	11/21/2014	21.53	--	--	--	5.91	15.62	--
LAI-13	9/23/2019	21.53	--	--	--	7.05	14.48	--
LAI-13	9/16/2020	21.53	--	--	--	8.15	13.38	--
LAI-13	3/16/2021	21.53	--	--	--	5.09	16.44	--
LAI-13	9/16/2021	21.53	--	--	--	8.36	13.17	--
LAI-13	9/1/2022	21.53	--	--	--	7.81	13.72	--
LAI-13	2/20/2023	21.53	--	--	--	--	--	--
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
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	--

Table 5

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

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-14	9/16/2020	21.69	--	--	--	8.34	13.35	--
LAI-14	3/16/2021	21.53	--	--	--	4.92	16.61	--
LAI-14	9/16/2021	21.53	--	--	--	8.52	13.01	--
LAI-14	9/1/2022	21.53	--	--	--	8.02	13.51	--
LAI-14	2/20/2023	21.53	--	--	--	6.04	15.49	--
LAI-15	1/31/2003	19.76	--	--	--	6.13	13.63	--
LAI-15	2/12/2003	19.76	--	--	--	4.23	15.53	13.63
LAI-15	2/18/2003	19.76	--	--	--	4.51	15.25	15.53
LAI-15	2/21/2003	19.76	--	--	--	4.72	15.04	15.25
LAI-15	2/24/2003	19.76	--	--	--	4.74	15.02	15.02
LAI-15	3/3/2003	19.76	--	--	--	4.96	14.80	14.80
LAI-15	3/12/2003	19.76	--	--	--	4.81	14.95	14.95
LAI-15	3/14/2003	19.76	--	--	--	4.14	15.62	15.62
LAI-15	3/26/2003	19.76	--	--	--	3.82	15.94	15.94
LAI-15	3/28/2003	19.76	--	--	--	3.85	15.91	15.91
LAI-15	4/2/2003	19.76	--	--	--	4.40	15.36	15.36
LAI-15	4/4/2003	19.76	--	--	--	4.49	15.27	15.27
LAI-15	4/8/2003	19.76	--	--	--	4.71	15.05	15.05
LAI-15	4/11/2003	19.76	--	--	--	4.80	14.96	14.96
LAI-15	4/15/2003	19.76	--	--	--	4.75	15.01	15.01
LAI-15	4/17/2003	19.76	--	--	--	4.77	14.99	14.99
LAI-15	4/22/2003	19.76	--	--	--	4.99	14.77	14.77
LAI-15	4/25/2003	19.76	--	--	--	5.09	14.67	14.67
LAI-15	5/2/2003	19.76	--	--	--	5.13	14.63	14.63
LAI-15	5/6/2003	19.76	--	--	--	5.55	14.21	14.21
LAI-15	5/9/2003	19.76	--	--	--	5.68	14.08	14.08
LAI-15	5/16/2003	19.76	--	--	--	4.90	14.86	14.86
LAI-15	5/23/2003	19.76	--	--	--	6.12	13.64	13.64
LAI-15	5/28/2003	19.76	--	--	--	6.13	13.63	13.63
LAI-15	6/13/2003	19.76	--	--	--	6.33	13.43	13.43
LAI-15	6/18/2003	19.76	--	--	--	6.35	13.41	13.41
LAI-15	6/27/2003	19.76	--	--	--	6.39	13.37	13.37
LAI-15	7/7/2003	19.76	--	--	--	6.75	13.01	13.01
LAI-15	7/16/2003	19.76	--	--	--	6.03	13.73	13.73
LAI-15	7/31/2003	19.76	--	--	--	6.83	12.93	12.93
LAI-15	8/5/2003	19.76	--	--	--	6.85	12.91	12.91
LAI-15	8/11/2003	19.76	--	--	--	6.93	12.83	12.83
LAI-15	8/22/2003	19.76	--	--	--	8.04	11.72	11.72
LAI-15	8/26/2003	19.76	--	--	--	7.11	12.65	12.65
LAI-15	9/2/2003	19.76	--	--	--	7.21	12.55	12.55
LAI-15	9/9/2003	19.76	--	--	--	7.23	12.53	12.53
LAI-15	9/19/2003	19.76	--	--	--	--	NM	--
LAI-15	10/14/2003	19.76	--	--	--	7.45	12.31	12.31
LAI-15	11/20/2003	19.76	--	--	--	4.11	15.65	15.65
LAI-15	12/3/2003	19.76	--	--	--	3.65	16.11	16.11
LAI-15	1/19/2004	19.76	--	--	--	3.59	16.17	16.17
LAI-15	2/24/2004	19.76	--	--	--	4.26	15.50	15.50
LAI-15	3/15/2004	19.76	--	--	--	5.19	14.57	14.57
LAI-15	4/19/2004	19.76	--	--	--	5.97	13.79	13.79
LAI-15	5/17/2004	19.76	--	--	--	6.42	13.34	13.34
LAI-15	6/22/2004	19.76	--	--	--	6.09	13.67	13.67
LAI-15	8/18/2004	19.76	--	--	--	6.93	12.83	12.83
LAI-15	9/21/2004	19.76	--	--	--	6.05	13.71	13.71
LAI-15	10/19/2004	19.76	--	--	--	5.75	14.01	14.01
LAI-15	11/23/2004	19.76	--	--	--	5.91	13.85	13.85
LAI-15	12/21/2004	19.76	--	--	--	4.28	15.48	15.48
LAI-15	1/13/2005	19.76	--	--	--	5.32	14.44	14.44
LAI-15	4/28/2005	19.76	--	--	--	4.91	14.85	14.85
LAI-15	6/1/2005	20.03	--	--	--	5.17	14.86	14.86
LAI-15	6/29/2005	20.03	--	--	--	5.67	14.36	14.36
LAI-15	7/20/2005	20.03	--	--	--	6.32	13.71	13.71
LAI-15	8/22/2005	20.03	--	--	--	6.62	13.41	13.41
LAI-15	9/12/2005	20.03	--	--	--	6.82	13.21	13.21
LAI-15	10/12/2005	20.03	--	--	--	7.08	12.95	12.95
LAI-15	11/21/2005	20.03	--	--	--	5.04	14.99	14.99
LAI-15	12/27/2005	20.03	--	--	--	3.84	16.19	16.19
LAI-15	1/30/2006	20.03	--	--	--	1.11	18.92	18.92
LAI-15	2/16/2006	20.03	--	--	--	3.52	16.51	16.51
LAI-15	3/13/2006	20.03	--	--	--	4.92	15.11	15.11
LAI-15	4/18/2006	20.03	--	--	--	5.35	14.68	14.68
LAI-15	5/12/2006	20.03	--	--	--	5.61	14.42	14.42
LAI-15	6/9/2006	20.03	--	--	--	5.32	14.71	14.71
LAI-15	7/13/2006	20.03	--	--	--	6.20	13.83	13.83
LAI-15	8/16/2006	20.03	--	--	--	6.60	13.43	13.43
LAI-15	9/19/2006	20.03	--	--	--	7.05	12.98	12.98
LAI-15	10/13/2006	20.03	--	--	--	6.80	13.23	13.23
LAI-15	11/20/2006	20.03	--	--	--	2.53	17.50	17.50
LAI-15	12/8/2006	20.03	--	--	--	3.11	16.92	16.92
LAI-15	1/19/2007	20.03	--	--	--	3.12	16.91	16.91
LAI-15	2/19/2007	20.03	--	--	--	5.10	14.93	14.93
LAI-15	3/15/2007	20.03	--	--	--	4.32	15.71	15.71
LAI-15	4/16/2007	20.03	--	--	--	4.76	15.27	15.27
LAI-15	5/14/2007	20.03	--	--	--	5.88	14.15	14.15
LAI-15	6/29/2007	20.03	--	--	--	6.44	13.59	13.59
LAI-15	7/20/2007	20.03	--	--	--	6.55	13.48	13.48
LAI-15	8/21/2007	20.03	--	--	--	6.74	13.29	13.29
LAI-15	9/10/2007	20.03	--	--	--	6.84	13.19	13.19

Table 5

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

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
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

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

Table with 9 columns: Well ID, Date, and seven numerical values. The table lists groundwater elevation data for well RW-6 from 1/13/2003 to 8/25/2008.

Table 5

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

RWx-7	9/12/2005	24.71	--	--	--	11.99	12.72	12.72
RWx-7	10/12/2005	24.71	12.54	12.17	0.23	12.77	12.11	12.29
RWx-7	11/21/2005	24.71	9.83	14.88	0.13	9.96	14.85	14.95
RWx-7	12/27/2005	24.71	8.15	16.56	0.02	8.17	16.56	16.57
RWx-7	1/30/2006	24.71	5.31	19.40	0.01	5.32	19.40	19.41
RWx-7	2/16/2006	24.71	7.41	17.30	0.02	7.43	17.30	17.31
RWx-7	3/13/2006	24.71	--	--	--	8.46	16.25	16.25
RWx-7	4/18/2006	24.71	--	--	--	8.71	16.00	16.00
RWx-7	5/12/2006	24.71	--	--	--	9.18	15.53	15.53
RWx-7	6/9/2006	24.71	--	--	--	8.76	15.95	15.95
RWx-7	7/13/2006	24.71	--	--	--	10.10	14.61	14.61
RWx-7	8/16/2006	24.71	11.03	13.68	0.08	11.11	13.66	13.72
RWx-7	9/19/2006	24.71	--	--	--	11.60	13.11	13.11
RWx-7	10/13/2006	24.71	--	--	--	11.31	13.40	13.40
RWx-7	11/20/2006	24.71	--	--	--	6.61	18.10	18.10
RWx-7	12/8/2006	24.71	--	--	--	6.91	17.80	17.80
RWx-7	1/19/2007	24.71	--	--	--	6.22	18.49	18.49
RWx-7	2/19/2007	24.71	--	--	--	8.55	16.16	16.16
RWx-7	3/15/2007	24.71	--	--	--	7.52	17.19	17.19
RWx-7	4/16/2007	24.71	--	--	--	8.22	16.49	16.49
RWx-7	5/14/2007	24.71	--	--	--	9.52	15.19	15.19
RWx-7	6/29/2007	24.71	--	--	--	10.74	13.97	13.97
RWx-7	7/20/2007	24.71	--	--	--	11.16	13.55	13.55
RWx-7	8/21/2007	24.71	--	--	--	11.82	12.89	12.89
RWx-7	9/10/2007	24.71	--	--	--	11.90	12.81	12.81
RWx-7	10/22/2007	24.71	--	--	--	10.01	14.70	14.70
RWx-7	11/28/2007	24.71	--	--	--	9.54	15.17	15.17
RWx-7	12/13/2007	24.71	--	--	--	8.32	16.39	16.39
RWx-7	1/21/2008	24.71	--	--	--	8.34	16.37	16.37
RWx-7	2/24/2008	24.71	--	--	--	8.76	15.95	15.95
RWx-7	3/24/2008	24.71	--	--	--	9.06	15.65	15.65
RWx-7	8/25/2008	24.71	--	--	--	11.00	13.71	13.71
RWx-7	2/18/2009	24.71	--	--	--	9.39	15.32	15.32
RWx-7	8/25/2009	24.71	--	--	--	12.22	12.49	12.49
RWx-7	3/22/2010	24.71	--	--	--	8.80	15.91	15.91
RWx-7	8/23/2010	24.71	--	--	--	11.25	13.46	13.46
RWx-7	2/7/2011	24.71	--	--	--	7.85	16.86	--
RWx-7	5/27/2011	24.71	--	--	--	8.98	15.73	--
RWx-7	8/8/2011	24.71	--	--	--	11.15	13.56	--
RWx-7	11/14/2011	24.71	--	--	--	10.54	14.17	--
RWx-7	2/20/2012	24.71	--	--	--	7.79	16.92	--
RWx-7	8/22/2012	24.71	--	--	--	10.97	13.74	--
RWx-7	11/5/2012	24.71	--	--	--	8.69	16.02	--
RWx-7	1/28/2013	24.71	--	--	--	7.72	16.99	--
RWx-7	5/9/2013	24.71	--	--	--	8.82	15.89	--
RWx-7	8/19/2013	24.71	--	--	--	11.77	12.94	--
RWx-7	11/25/2013	24.71	--	--	--	9.07	15.64	--
RWx-7	2/14/2014	24.71	--	--	--	7.65	17.06	--
RWx-7	5/5/2014	24.71	--	--	--	6.52	18.19	--
RWx-7	8/19/2014	24.71	--	--	--	11.42	13.29	--
RWx-7	11/21/2014	24.71	--	--	--	8.68	16.03	--
RWx-7	11/14/2016	24.71	--	--	--	5.80	18.91	--
RWx-7	11/18/2016	24.71	--	--	--	--	--	--
RWx-7	2/17/2017	24.71	--	--	--	5.58	19.13	15.74
RWx-7	5/26/2017	24.71	--	--	--	8.07	16.64	16.35
RWx-7	9/26/2017	24.71	--	--	--	11.82	12.89	--
RWx-7	9/28/2017	24.71	--	--	--	--	--	--
RWx-7	12/14/2017	24.71	--	--	--	6.86	17.85	--
RWx-7	2/26/2018	24.71	--	--	--	7.67	17.04	--
RWx-7	6/11/2018	24.71	--	--	--	10.11	14.60	--
RWx-7	6/27/2018	24.71	--	--	--	10.85	13.86	--
RWx-7	8/29/2018	24.71	--	--	--	12.19	12.52	--
RWx-7	12/17/2018	24.71	--	--	--	6.84	17.87	--
HW-1East	11/20/2003	20.35	--	--	--	4.61	15.74	--
HW-1East	12/3/2003	20.35	--	--	--	4.00	16.35	--
HW-1East	1/19/2004	20.35	3.56	16.79	0.005	3.57	16.79	--
HW-1East	2/24/2004	20.35	--	--	--	5.46	14.89	16.79
HW-1East	3/15/2004	20.35	--	--	--	5.84	14.51	14.51
HW-1East	4/19/2004	20.35	--	--	--	6.42	13.93	13.93
HW-1East	5/17/2004	20.35	--	--	--	Not Monitored	--	0.00
HW-1East	6/22/2004	20.35	--	--	--	Not Monitored	--	0.00
HW-1East	8/18/2004	20.35	--	--	--	Dry	--	Dry
HW-1East	9/21/2004	20.35	--	--	--	6.92	13.43	13.43
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

Table 5

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

HWx-1East	12/8/2006	20.44	--	--	--	3.40	17.04	17.04
HWx-1East	1/19/2007	20.44	--	--	--	3.07	17.37	17.37
HWx-1East	2/19/2007	20.44	--	--	--	4.74	15.70	15.70
HWx-1East	3/15/2007	20.44	--	--	--	3.91	16.53	16.53
HWx-1East	4/16/2007	20.44	--	--	--	4.42	16.02	16.02
HWx-1East	5/14/2007	20.44	--	--	--	5.45	14.99	14.99
HWx-1East	6/29/2007	20.44	--	--	--	6.58	13.86	13.86
HWx-1East	7/20/2007	20.44	--	--	--	8.38	12.06	12.06
HWx-1East	8/21/2007	20.44	--	--	--	8.79	11.65	11.65
HWx-1East	9/10/2007	20.44	--	--	--	8.95	11.49	11.49
HWx-1East	10/22/2007	20.44	--	--	--	6.45	13.99	13.99
HWx-1East	11/28/2007	20.44	--	--	--	5.72	14.72	14.72
HWx-1East	12/13/2007	20.44	--	--	--	4.68	15.76	15.76
HWx-1East	1/21/2008	20.44	--	--	--	4.88	15.56	15.56
HWx-1East	2/24/2008	20.44	--	--	--	5.17	15.27	15.27
HWx-1East	3/24/2008	20.44	--	--	--	5.54	14.90	14.90
HWx-1East	8/25/2008	20.44	--	--	--	8.95	11.49	11.49
HWx-1East	2/18/2009	20.44	--	--	--	5.15	15.29	15.29
HWx-1East	8/25/2009	20.44	--	--	--	10.05	10.39	10.39
HWx-1East	3/22/2010	20.44	--	--	--	10.45	9.99	9.99
HWx-1East	8/23/2010	20.44	--	--	--	10.20	10.24	10.24
HWx-1East	2/7/2011	20.44	--	--	--	4.60	15.84	--
HWx-1East	5/27/2011	20.44	--	--	--			
					Not Monitored			
HW-1West	11/20/2003	18.86	--	--	--	4.32	14.54	14.54
HW-1West	12/3/2003	18.86	--	--	--	3.56	15.30	15.30
HW-1West	1/19/2004	18.86	--	--	--	3.28	15.58	15.58
HW-1West	2/24/2004	18.86	--	--	--	4.96	13.90	13.90
HW-1West	3/15/2004	18.86	--	--	--	6.35	12.51	12.51
HW-1West	4/19/2004	18.86	--	--	--	5.90	12.96	12.96
HW-1West	5/17/2004	18.86						0.00
HW-1West	6/22/2004	18.86						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	--
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	--	--	--	--	--	--

Table 5

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

MW-1	12/13/2017	20.51	--	--	--	7.32	13.19	--
MW-1	2/26/2018	20.51	--	--	--	7.62	12.89	--
MW-1	6/11/2018	20.51	--	--	--	8.77	11.74	--
MW-1	6/26/2018	20.51	--	--	--	9.32	11.19	--
MW-1	8/28/2018	20.51	--	--	--	10.55	9.96	--
MW-1	12/17/2018	20.51	--	--	--	7.48	13.03	--
MW-1	3/14/2019	20.51	--	--	--	7.70	12.81	--
MW-1	6/12/2019	20.51	--	--	--	8.83	11.68	--
MW-1	9/23/2019	20.51	--	--	--	8.85	11.66	--
MW-1	12/4/2019	20.51	--	--	--	8.90	11.61	--
MW-1	2/25/2020	20.51	--	--	--	7.42	13.09	--
MW-1	6/12/2020	20.51	--	--	--	8.52	11.99	--
MW-1	9/17/2020	20.51	--	--	--	9.87	10.64	--
MW-1	12/2/2020	20.51	--	--	--	7.76	12.75	--
MW-1	3/16/2021	20.51	--	--	--	6.24	14.27	--
MW-1	5/24/2021	20.51	--	--	--	8.72	11.79	--
MW-1	9/14/2021	20.51	--	--	--	10.42	10.09	--
MW-1	12/20/2021	20.51	--	--	--	7.38	13.13	--
MW-1	3/1/2022	20.51	--	--	--	4.27	16.24	--
MW-1	6/9/2022	20.51	--	--	--	7.65	12.86	--
MW-1	9/1/2022	20.51	--	--	--	9.85	10.66	--
MW-1	11/8/2022	20.51	--	--	--	8.45	12.06	--
MW-1	2/20/2023	20.51	--	--	--	7.98	12.53	--
MW-1	5/15/2023	20.51	--	--	--	8.15	12.36	--
MW-2	11/14/2011	20.29	--	--	--	8.71	11.58	--
MW-2	2/20/2012	20.29	--	--	--	7.35	12.94	--
MW-2	8/22/2012	20.29	--	--	--	9.39	10.90	--
MW-2	11/5/2012	20.29	--	--	--	7.71	12.58	--
MW-2	1/28/2013	20.29	--	--	--	7.61	12.68	--
MW-2	5/9/2013	20.29	--	--	--	7.99	12.30	--
MW-2	8/19/2013	20.29	--	--	--	10.22	10.07	--
MW-2	11/25/2013	20.29	--	--	--	7.76	12.53	--
MW-2	2/14/2014	20.29	--	--	--	7.46	12.83	--
MW-2	5/5/2014	20.29	--	--	--	6.72	13.57	--
MW-2	8/19/2014	20.29	--	--	--	8.93	11.36	--
MW-2	11/21/2014	20.29	--	--	--	7.45	12.84	--
MW-2	11/14/2016	20.29	--	--	--	7.30	12.99	--
MW-2	11/16/2016	20.29	--	--	--	--	--	--
MW-2	2/16/2017	20.29	--	--	--	6.96	13.33	--
MW-2	5/24/2017	20.29	--	--	--	7.59	12.70	--
MW-2	9/26/2017	20.29	--	--	--	9.55	10.74	--
MW-2	9/27/2017	20.29	--	--	--	--	--	--
MW-2	12/13/2017	20.29	--	--	--	7.46	12.83	--
MW-2	2/26/2018	20.29	--	--	--	7.51	12.78	--
MW-2	6/11/2018	20.29	--	--	--	8.56	11.73	--
MW-2	6/26/2018	20.29	--	--	--	9.18	11.11	--
MW-2	8/28/2018	20.29	--	--	--	10.08	10.21	--
MW-2	12/17/2018	20.29	--	--	--	7.67	12.62	--
MW-2	3/14/2019	20.29	--	--	--	7.68	12.61	--
MW-2	6/12/2019	20.29	--	--	--	9.07	11.22	--
MW-2	9/23/2019	20.29	--	--	--	8.03	12.26	--
MW-2	12/4/2019	20.29	--	--	--	7.83	12.46	--
MW-2	2/25/2020	20.29	--	--	--	7.16	13.13	--
MW-2	6/12/2020	20.29	--	--	--	7.95	12.34	--
MW-2	9/17/2020	20.29	--	--	--	9.62	10.67	--
MW-2	12/2/2020	20.29	--	--	--	7.58	12.71	--
MW-2	3/16/2021	20.29	--	--	--	7.69	12.60	--
MW-2	5/24/2021	20.29	--	--	--	8.41	11.88	--
MW-2	9/14/2021	20.29	--	--	--	10.16	10.13	--
MW-2	12/20/2021	20.29	--	--	--	7.20	13.09	--
MW-2	3/1/2022	20.29	--	--	--	3.37	16.92	--
MW-2	6/9/2022	20.29	--	--	--	7.68	12.61	--
MW-2	9/1/2022	20.29	--	--	--	9.60	10.69	--
MW-2	11/8/2022	20.29	--	--	--	8.21	12.08	--
MW-2	2/20/2023	20.29	--	--	--	7.70	12.59	--
MW-2	5/15/2023	20.29	--	--	--	7.94	12.35	--
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-3	12/4/2019	21.21	--	--	--	7.24	13.97	--
MW-3	2/25/2020	21.21	--	--	--	5.30	15.91	--
MW-3	6/12/2020	21.21	--	--	--	8.24	12.97	--
MW-3	9/17/2020	21.21	--	--	--	10.02	11.19	--
MW-3	12/2/2020	21.21	--	--	--	6.89	14.32	--
MW-3	3/16/2021	21.21	--	--	--	6.22	14.99	--

Table 5

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

MW-3	5/24/2021	21.21	--	--	--	8.53	12.68	--
MW-3	9/14/2021	21.21	--	--	--	10.34	10.87	--
MW-3	12/20/2021	21.21	--	--	--	5.51	15.70	--
MW-3	3/1/2022	21.21	--	--	--	5.37	15.84	--
MW-3	6/9/2022	21.21	--	--	--	6.97	14.24	--
MW-3	9/1/2022	21.21	--	--	--	9.65	11.56	--
MW-3	11/8/2022	21.21	--	--	--	8.05	13.16	--
MW-3	2/20/2023	21.21	--	--	--	6.74	14.47	--
MW-3	5/15/2023	21.21	--	--	--	7.10	14.11	--
MW-4	11/14/2011	20.44	--	--	--	8.31	12.13	--
MW-4	2/20/2012	20.44	--	--	--	7.28	13.16	--
MW-4	8/22/2012	20.44	--	--	--	9.41	11.03	--
MW-4	11/5/2012	20.44	--	--	--	7.52	12.92	--
MW-4	1/28/2013	20.44	--	--	--	7.29	13.15	--
MW-4	5/9/2013	20.44	--	--	--	7.97	12.47	--
MW-4	8/19/2013	20.44	--	--	--	10.11	10.33	--
MW-4	11/25/2013	20.44	--	--	--	7.56	12.88	--
MW-4	2/14/2014	20.44	--	--	--	6.29	14.15	--
MW-4	5/5/2014	20.44	--	--	--	4.91	15.53	--
MW-4	8/19/2014	20.44	--	--	--	8.68	11.76	--
MW-4	11/21/2014	20.44	--	--	--	7.12	13.32	--
MW-4	11/14/2016	20.44	--	--	--	4.72	15.72	--
MW-4	11/16/2016	20.44	--	--	--	--	--	--
MW-4	2/16/2017	20.44	--	--	--	3.95	16.49	--
MW-4	5/24/2017	20.44	--	--	--	5.87	14.57	--
MW-4	9/26/2017	20.44	--	--	--	9.13	11.31	--
MW-4	9/27/2017	20.44	--	--	--	--	--	--
MW-4	12/13/2017	20.44	--	--	--	4.92	15.52	--
MW-4	2/26/2018	20.44	--	--	--	5.02	15.42	--
MW-4	6/11/2018	20.44	--	--	--	8.34	12.10	--
MW-4	6/26/2018	20.44	--	--	--	8.83	11.61	--
MW-4	8/28/2018	20.44	--	--	--	10.02	10.42	--
MW-4	12/17/2018	20.44	--	--	--	5.22	15.22	--
MW-4	3/14/2019	20.44	--	--	--	5.68	14.76	--
MW-4	6/12/2019	20.44	--	--	--	8.69	11.75	--
MW-4	9/23/2019	20.44	--	--	--	6.59	13.85	--
MW-4	12/4/2019	20.44	--	--	--	6.50	13.94	--
MW-4	2/25/2020	20.44	--	--	--	4.49	15.95	--
MW-4	6/12/2020	20.44	--	--	--	6.80	13.64	--
MW-4	9/17/2020	20.44	--	--	--	8.94	11.50	--
MW-4	12/2/2020	20.44	--	--	--	5.96	14.48	--
MW-4	3/16/2021	20.44	--	--	--	5.38	15.06	--
MW-4	5/24/2021	20.44	--	--	--	7.77	12.67	--
MW-4	9/14/2021	20.44	--	--	--	9.36	11.08	--
MW-4	12/20/2021	20.44	--	--	--	4.28	16.16	--
MW-4	3/1/2022	20.44	--	--	--	4.08	16.36	--
MW-4	6/9/2022	20.44	--	--	--	6.16	14.28	--
MW-4	9/1/2022	20.44	--	--	--	8.75	11.69	--
MW-4	11/8/2022	20.44	--	--	--	6.23	14.21	--
MW-4	2/20/2023	20.44	--	--	--	5.23	15.21	--
MW-4	5/15/2023	20.44	--	--	--	6.35	14.09	--
MW-5	11/14/2011	21.32	--	--	--	9.02	12.30	--
MW-5	2/20/2012	21.32	--	--	--	8.21	13.11	--
MW-5	8/22/2012	21.32	--	--	--	10.29	11.03	--
MW-5	11/5/2012	21.32	--	--	--	8.60	12.72	--
MW-5	1/28/2013	21.32	--	--	--	8.45	12.87	--
MW-5	5/9/2013	21.32	--	--	--	8.97	12.35	--
MW-5	8/19/2013	21.32	--	--	--	10.98	10.34	--
MW-5	11/25/2013	21.32	--	--	--	8.59	12.73	--
MW-5	2/14/2014	21.32	--	--	--	7.04	14.28	--
MW-5	5/5/2014	21.32	--	--	--	7.60	13.72	--
MW-5	8/19/2014	21.32	--	--	--	9.58	11.74	--
MW-5	11/21/2014	21.32	--	--	--	8.20	13.12	--
MW-5	11/14/2016	21.32	--	--	--	7.92	13.40	--
MW-5	11/17/2016	21.32	--	--	--	--	--	--
MW-5	2/16/2017	21.32	--	--	--	7.10	14.22	--
MW-5	5/24/2017	21.32	--	--	--	8.27	13.05	--
MW-5	9/26/2017	21.32	--	--	--	9.98	11.34	--
MW-5	9/28/2017	21.32	--	--	--	--	--	--
MW-5	12/13/2017	21.32	--	--	--	7.92	13.40	--
MW-5	2/26/2018	21.32	--	--	--	8.04	13.28	--
MW-5	6/11/2018	21.32	--	--	--	9.14	12.18	--
MW-5	6/26/2018	21.32	--	--	--	9.68	11.64	--
MW-5	8/28/2018	21.32	--	--	--	10.83	10.49	--
MW-5	12/17/2018	21.32	--	--	--	7.94	13.38	--
MW-5	3/11/2019	21.32	--	--	--	8.26	13.06	--
MW-5	6/12/2019	21.32	--	--	--	9.47	11.85	--
MW-5	9/23/2019	21.32	--	--	--	8.81	12.51	--
MW-5	12/4/2019	21.32	--	--	--	8.35	12.97	--
MW-5	2/24/2020	21.32	--	--	--	7.65	13.67	--
MW-5	6/12/2020	21.32	--	--	--	8.30	13.02	--
MW-5	12/2/2020	21.32	--	--	--	7.69	13.63	--
MW-5	3/16/2021	21.32	--	--	--	7.98	13.34	--
MW-5	12/20/2021	21.32	--	--	--	7.23	14.09	--
MW-5	3/1/2022	21.32	--	--	--	5.15	16.17	--
MW-5	6/9/2022	21.32	--	--	--	7.75	13.57	--
MW-5	11/8/2022	21.32	--	--	--	7.85	13.47	--
MW-5	2/20/2023	21.32	--	--	--	7.35	13.97	--
MW-5	5/15/2023	21.32	--	--	--	7.76	13.56	--
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	--

Table 5

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

MW-6	8/19/2014	22.30	--	--	--	10.54	11.76	--
MW-6	11/21/2014	22.30	--	--	--	9.28	13.02	--
MW-6	11/14/2016	22.30	--	--	--	9.06	13.24	--
MW-6	11/17/2016	22.30	--	--	--	--	--	--
MW-6	11/17/2016	22.30	--	--	--	--	--	--
MW-6	2/16/2017	22.30	--	--	--	8.23	14.07	--
MW-6	5/24/2017	22.30	--	--	--	9.38	12.92	--
MW-6	9/26/2017	22.30	--	--	--	10.87	11.43	--
MW-6	9/28/2017	22.30	--	--	--	--	--	--
MW-6	12/13/2017	22.30	--	--	--	9.01	13.29	--
MW-6	2/26/2018	22.30	--	--	--	9.21	13.09	--
MW-6	6/11/2018	22.30	--	--	--	10.18	12.12	--
MW-6	6/26/2018	22.30	--	--	--	10.67	11.63	--
MW-6	8/28/2018	22.30	--	--	--	11.82	10.48	--
MW-6	12/17/2018	22.30	--	--	--	9.07	13.23	--
MW-6	3/14/2019	22.30	--	--	--	9.40	12.90	--
MW-6	6/12/2019	22.30	--	--	--	10.50	11.80	--
MW-6	9/23/2019	22.30	--	--	--	9.94	12.36	--
MW-6	12/4/2019	22.30	--	--	--	9.44	12.86	--
MW-6	2/25/2020	22.30	--	--	--	8.81	13.49	--
MW-6	6/12/2020	22.30	--	--	--	9.34	12.96	--
MW-6	9/17/2020	22.30	--	--	--	10.51	11.79	--
MW-6	12/2/2020	22.30	--	--	--	8.82	13.48	--
MW-6	3/16/2021	22.30	--	--	--	9.12	13.18	--
MW-6	5/24/2021	22.30	--	--	--	9.74	12.56	--
MW-6	9/15/2021	22.30	--	--	--	10.93	11.37	--
MW-6	12/20/2021	22.30	--	--	--	8.44	13.86	--
MW-6	3/1/2022	22.30	--	--	--	6.23	16.07	--
MW-6	6/9/2022	22.30	--	--	--	8.86	13.44	--
MW-6	9/1/2022	22.30	--	--	--	10.40	11.90	--
MW-6	11/8/2022	22.30	--	--	--	8.97	13.33	--
MW-6	2/20/2023	22.30	--	--	--	8.80	13.50	--
MW-6	5/15/2023	22.30	--	--	--	8.88	13.42	--
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-7	12/4/2019	22.10	--	--	--	9.20	12.90	--
MW-7	2/24/2020	22.10	--	--	--	8.49	13.61	--
MW-7	6/12/2020	22.10	--	--	--	9.37	12.73	--
MW-7	9/16/2020	22.10	--	--	--	11.12	10.98	--
MW-7	12/2/2020	22.10	--	--	--	8.48	13.62	--
MW-7	3/16/2021	22.10	--	--	--	9.82	12.28	--
MW-7	5/24/2021	22.10	--	--	--	10.43	11.67	--
MW-7	12/20/2021	22.10	--	--	--	9.23	12.87	--
MW-7	3/1/2022	22.10	--	--	--	6.44	15.66	--
MW-7	6/9/2022	22.10	--	--	--	8.98	13.12	--
MW-7	9/1/2022	22.10	--	--	--	10.72	11.38	--
MW-7	11/8/2022	22.10	--	--	--	9.38	12.72	--
MW-7	2/20/2023	22.10	--	--	--	8.30	13.80	--
MW-7	5/15/2023	22.10	--	--	--	8.94	13.16	--
MW-8	11/14/2011	21.54	--	--	--	9.59	11.95	--
MW-8	2/20/2012	21.54	--	--	--	8.39	13.15	--
MW-8	8/22/2012	21.54	--	--	--	10.50	11.04	--
MW-8	11/5/2012	21.54	--	--	--	9.00	12.54	--
MW-8	1/28/2013	21.54	--	--	--	8.78	12.76	--
MW-8	5/9/2013	21.54	--	--	--	9.29	12.25	--
MW-8	8/19/2013	21.54	--	--	--	11.22	10.32	--
MW-8	11/25/2013	21.54	--	--	--	8.95	12.59	--
MW-8	2/14/2014	21.54	--	--	--	8.41	13.13	--
MW-8	5/5/2014	21.54	--	--	--	7.80	13.74	--
MW-8	8/19/2014	21.54	--	--	--	9.88	11.66	--
MW-8	11/14/2016	21.54	--	--	--	7.71	13.83	--
MW-8	11/17/2016	21.54	--	--	--	--	--	--
MW-8	2/16/2017	21.54	--	--	--	7.41	14.13	--
MW-8	5/24/2017	21.54	--	--	--	8.46	13.08	--
MW-8	9/26/2017	21.54	--	--	--	10.91	10.63	--
MW-8	12/13/2017	21.54	--	--	--	8.23	13.31	--
MW-8	2/26/2018	21.54	--	--	--	8.36	13.18	--
MW-8	6/11/2018	21.54	--	--	--	9.47	12.07	--
MW-8	8/29/2018	21.54	--	--	--	11.20	10.34	--
MW-8	12/17/2018	21.54	--	--	--	8.21	13.33	--
MW-8	3/11/2019	21.54	--	--	--	8.54	13.00	--
MW-8	6/12/2019	21.54	--	--	--	10.35	11.19	--
MW-8	12/4/2019	21.54	--	--	--	8.71	12.83	--
MW-8	2/24/2020	21.54	--	--	--	8.05	13.49	--
MW-8	6/12/2020	21.54	--	--	--	8.67	12.87	--
MW-8	9/16/2020	21.54	--	--	--	10.27	11.27	--
MW-8	12/2/2020	21.54	--	--	--	8.12	13.42	--
MW-8	3/16/2021	21.54	--	--	--	9.80	11.74	--
MW-8	5/24/2021	21.54	--	--	--	10.50	11.04	--

Table 5

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

MW-8	12/20/2021	21.54	--	--	--	9.03	12.51	
MW-8	3/1/2022	21.54	--	--	--	5.55	15.99	
MW-8	6/9/2022	21.54	--	--	--	8.45	13.09	
MW-8	9/1/2022	21.54	--	--	--	9.83	11.71	
MW-8	11/8/2022	21.54	--	--	--	8.62	12.92	
MW-8	2/20/2023	21.54	--	--	--	8.06	13.48	
MW-8	5/15/2023	21.54	--	--	--	8.42	13.12	
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-9	9/16/2020	20.82	--	--	--	8.23	12.59	--
MW-9	3/16/2021	20.82	--	--	--	4.84	15.98	--
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-10	12/4/2019	21.12	--	--	--	9.02	12.10	--
MW-10	2/25/2020	21.12	--	--	--	8.25	12.87	--
MW-10	6/12/2020	21.12	--	--	--	9.01	12.11	--
MW-10	9/17/2020	21.12	--	--	--	10.68	10.44	--
MW-10	12/2/2020	21.12	--	--	--	8.59	12.53	--
MW-10	3/16/2021	21.12	--	--	--	8.78	12.34	--
MW-10	5/24/2021	21.12	--	--	--	9.79	11.33	--
MW-10	9/16/2021	21.12	--	--	--	11.22	9.90	--
MW-10	12/20/2021	21.12	--	--	--	7.96	13.16	--
MW-10	3/1/2022	21.12	--	--	--	5.03	16.09	--
MW-10	6/9/2022	21.12	--	--	--	8.73	12.39	--
MW-10	9/1/2022	21.12	--	--	--	10.65	10.47	--
MW-10	11/8/2022	21.12	--	--	--	9.20	11.92	--
MW-10	2/20/2023	21.12	--	--	--	8.49	12.63	--
MW-10	5/15/2023	21.12	--	--	--	9.09	12.03	--
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	--

Table 5

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

MW-11	6/12/2019	16.80	--	--	--	5.65	11.15	--
MW-11	9/23/2019	16.80	--	--	--	4.76	12.04	--
MW-11	12/4/2019	16.80	--	--	--	4.80	12.00	--
MW-11	2/25/2020	16.80	--	--	--	4.08	12.72	--
MW-11	6/12/2020	16.80	--	--	--	9.70	7.10	--
MW-11	9/17/2020	16.80	--	--	--	6.51	10.29	--
MW-11	12/2/2020	16.80	--	--	--	4.35	12.45	--
MW-11	3/16/2021	16.80	--	--	--	4.52	12.28	--
MW-11	5/24/2021	16.80	--	--	--	5.21	11.59	--
MW-11	9/15/2021	16.80	--	--	--	7.21	9.59	--
MW-11	12/20/2021	16.80	--	--	--	3.72	13.08	--
MW-11	3/1/2022	16.80	--	--	--	0.50	16.30	--
MW-11	6/9/2022	16.80	--	--	--	4.15	12.65	--
MW-11	9/1/2022	16.80	--	--	--	6.53	10.27	--
MW-11	11/8/2022	16.80	--	--	--	4.95	11.85	--
MW-11	2/20/2023	16.80	--	--	--	4.37	12.43	--
MW-11	5/15/2023	16.80	--	--	--	5.16	11.64	--
MW-12	2/20/2012	19.59	--	--	--	7.52	12.07	--
MW-12	8/22/2012	19.59	--	--	--	8.71	10.88	--
MW-12	11/5/2012	19.59	--	--	--	7.16	12.43	--
MW-12	5/9/2013	19.59	--	--	--	7.69	11.90	--
MW-12	8/19/2013	19.59	--	--	--	9.41	10.18	--
MW-12	11/25/2013	19.59	--	--	--	7.27	12.32	--
MW-12	2/14/2014	19.59	--	--	--	6.51	13.08	--
MW-12	5/5/2014	19.59	--	--	--	5.96	13.63	--
MW-12	8/19/2014	19.59	--	--	--	8.18	11.41	--
MW-12	11/21/2014	19.59	--	--	--	7.11	12.48	--
MW-12	11/14/2016	19.59	--	--	--	4.28	15.31	--
MW-12	11/18/2016	19.59	--	--	--	--	--	--
MW-12	2/17/2017	19.59	--	--	--	5.87	13.72	--
MW-12	2/17/2017	19.59	--	--	--	5.87	13.72	--
MW-12	5/25/2017	19.59	--	--	--	6.87	12.72	--
MW-12	9/26/2017	19.59	--	--	--	8.60	10.99	--
MW-12	9/27/2017	19.59	--	--	--	--	--	--
MW-12	12/12/2017	19.59	--	--	--	6.21	13.38	--
MW-12	2/26/2018	19.59	--	--	--	6.83	12.76	--
MW-12	6/11/2018	19.59	--	--	--	7.88	11.71	--
MW-12	6/26/2018	19.59	--	--	--	8.46	11.13	--
MW-12	8/28/2018	19.59	--	--	--	9.30	10.29	--
MW-12	3/14/2019	19.59	--	--	--	6.73	12.86	--
MW-12	6/12/2019	19.59	--	--	--	8.07	11.52	--
MW-12	9/23/2019	19.59	--	--	--	7.38	12.21	--
MW-12	12/4/2019	19.59	--	--	--	7.21	12.38	--
MW-12	2/25/2020	19.59	--	--	--	6.35	13.24	--
MW-12	6/12/2020	19.59	--	--	--	7.18	12.41	--
MW-12	9/17/2020	19.59	--	--	--	8.69	10.90	--
MW-12	12/2/2020	19.59	--	--	--	6.72	12.87	--
MW-12	3/16/2021	19.59	--	--	--	6.97	12.62	--
MW-12	5/24/2021	19.59	--	--	--	7.87	11.72	--
MW-12	9/15/2021	19.59	--	--	--	9.14	10.45	--
MW-12	12/20/2021	19.59	--	--	--	6.35	13.24	--
MW-12	3/1/2022	19.59	--	--	--	3.96	15.63	--
MW-12	6/9/2022	19.59	--	--	--	6.80	12.79	--
MW-12	9/1/2022	19.59	--	--	--	8.65	10.94	--
MW-12	11/8/2022	19.59	--	--	--	7.20	12.39	--
MW-12	2/20/2023	19.59	--	--	--	6.81	12.78	--
MW-12	5/15/2023	19.59	--	--	--	7.05	12.54	--
MW-13	2/20/2012	21.24	--	--	--	5.51	15.73	--
MW-13	8/22/2012	21.24	--	--	--	10.00	11.24	--
MW-13	11/5/2012	21.24	--	--	--	8.35	12.89	--
MW-13	1/28/2013	21.24	--	--	--	5.74	15.50	--
MW-13	5/9/2013	21.24	--	--	--	8.76	12.48	--
MW-13	8/19/2013	21.24	--	--	--	10.78	10.46	--
MW-13	11/25/2013	21.24	--	--	--	7.90	13.34	--
MW-13	2/14/2014	21.24	--	--	--	5.36	15.88	--
MW-13	5/5/2014	21.24	--	--	--	4.73	16.51	--
MW-13	8/19/2014	21.24	--	--	--	9.49	11.75	--
MW-13	11/21/2014	21.24	--	--	--	5.71	15.53	--
MW-13	11/14/2016	21.24	--	--	--	4.92	16.32	--
MW-13	11/17/2016	21.24	--	--	--	--	--	--
MW-13	2/16/2017	21.24	--	--	--	3.74	17.50	--
MW-13	5/25/2017	21.24	--	--	--	5.40	15.84	--
MW-13	9/26/2017	21.24	--	--	--	9.77	11.47	--
MW-13	9/27/2017	21.24	--	--	--	--	--	--
MW-13	12/13/2017	21.24	--	--	--	4.62	16.62	--
MW-13	2/26/2018	21.24	--	--	--	5.27	15.97	--
MW-13	6/11/2018	21.24	--	--	--	8.97	12.27	--
MW-13	6/26/2018	21.24	--	--	--	9.77	11.47	--
MW-13	8/28/2018	21.24	--	--	--	10.88	10.36	--
MW-13	12/17/2018	21.24	--	--	--	5.50	15.74	--
MW-13	3/14/2019	21.24	--	--	--	5.25	15.99	--
MW-13	6/12/2019	21.24	--	--	--	9.25	11.99	--
MW-13	9/23/2019	21.24	--	--	--	8.69	12.55	--
MW-13	12/4/2019	21.24	--	--	--	7.90	13.34	--
MW-13	2/25/2020	21.24	--	--	--	4.51	16.73	--
MW-13	6/12/2020	21.24	--	--	--	7.63	13.61	--
MW-13	9/17/2020	21.24	--	--	--	9.72	11.52	--
MW-13	12/2/2020	21.24	--	--	--	6.73	14.51	--
MW-13	3/16/2021	21.24	--	--	--	5.24	16.00	--
MW-13	5/24/2021	21.24	--	--	--	8.90	12.34	--
MW-13	9/15/2021	21.24	--	--	--	10.26	10.98	--
MW-13	12/20/2021	21.24	--	--	--	4.45	16.79	--
MW-13	3/1/2022	21.24	--	--	--	4.28	16.96	--
MW-13	6/9/2022	21.24	--	--	--	5.59	15.65	--
MW-13	9/1/2022	21.24	--	--	--	9.20	12.04	--
MW-13	11/8/2022	21.24	--	--	--	7.92	13.32	--
MW-13	2/20/2023	21.24	--	--	--	5.20	16.04	--
MW-13	5/15/2023	21.24	--	--	--	5.61	15.63	--
MW-14	11/14/2011	21.54	--	--	--	9.66	11.88	--

Table 5

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

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-15	12/4/2019	20.52	--	--	--	7.95	12.57	--
MW-15	2/26/2020	20.52	--	--	--	7.12	13.40	--
MW-15	6/12/2020	20.52	--	--	--	8.00	12.52	--
MW-15	9/17/2020	20.52	--	--	--	9.53	10.99	--
MW-15	12/2/2020	20.52	--	--	--	8.15	12.37	--
MW-15	3/16/2021	20.52	--	--	--	6.51	14.01	--
MW-15	5/24/2021	20.52	--	--	--	8.22	12.30	--
MW-15	9/16/2021	20.52	--	--	--	10.07	10.45	--
MW-15	12/20/2021	20.52	--	--	--	6.71	13.81	--
MW-15	3/1/2022	20.52	--	--	--	0.00	20.52	--
MW-15	6/9/2022	20.52	--	--	--	8.30	12.22	--
MW-15	9/1/2022	20.52	--	--	--	9.39	11.13	--
MW-15	11/8/2022	20.52	--	--	--	8.32	12.20	--
MW-15	2/20/2023	20.52	--	--	--	5.65	14.87	--
MW-15	5/15/2023	20.52	--	--	--	7.32	13.2	--
MW-16	2/20/2012	21.24	--	--	--	8.23	13.01	--
MW-16	8/22/2012	21.24	--	--	--	10.63	10.61	--
MW-16	11/5/2012	21.24	--	--	--	8.61	12.63	--
MW-16	1/28/2013	21.24	--	--	--	8.54	12.70	--
MW-16	5/9/2013	21.24	--	--	--	8.97	12.27	--
MW-16	8/19/2013	21.24	--	--	--	10.85	10.39	--
MW-16	11/25/2013	21.24	--	--	--	8.54	12.70	--
MW-16	2/14/2014	21.24	--	--	--	6.72	14.52	--
MW-16	5/5/2014	21.24	--	--	--	6.61	14.63	--
MW-16	8/19/2014	21.24	--	--	--	9.55	11.69	--
MW-16	11/21/2014	21.24	--	--	--	8.12	13.12	--
MW-16	11/14/2016	21.24	--	--	--	7.01	14.23	--
MW-16	11/17/2016	21.24	--	--	--	--	--	--
MW-16	2/17/2017	21.24	--	--	--	4.11	17.13	--
MW-16	5/25/2017	21.24	--	--	--	6.89	14.35	--
MW-16	9/26/2017	21.24	--	--	--	9.41	11.83	--
MW-16	9/27/2017	21.24	--	--	--	--	--	--
MW-16	12/13/2017	21.24	--	--	--	6.26	14.98	--
MW-16	2/26/2018	21.24	--	--	--	7.21	14.03	--
MW-16	6/11/2018	21.24	--	--	--	8.88	12.36	--
MW-16	6/26/2018	21.24	--	--	--	9.48	11.76	--
MW-16	8/28/2018	21.24	--	--	--	10.67	10.57	--
MW-16	12/17/2018	21.24	--	--	--	6.75	14.49	--
MW-16	3/14/2019	21.24	--	--	--	7.27	13.97	--
MW-16	6/12/2019	21.24	--	--	--	8.87	12.37	--
MW-16	9/23/2019	21.24	--	--	--	8.15	13.09	--
MW-16	12/4/2019	21.24	--	--	--	7.59	13.65	--
MW-16	2/25/2020	21.24	--	--	--	5.95	15.29	--
MW-16	6/12/2020	21.24	--	--	--	7.83	13.41	--
MW-16	9/17/2020	21.24	--	--	--	9.34	11.90	--
MW-16	12/2/2020	21.24	--	--	--	7.31	13.93	--
MW-16	3/16/2021	21.24	--	--	--	6.52	14.72	--
MW-16	5/24/2021	21.24	--	--	--	8.58	12.66	--
MW-16	9/15/2021	21.24	--	--	--	9.67	11.57	--
MW-16	12/20/2021	21.24	--	--	--	6.42	14.82	--
MW-16	3/1/2022	21.24	--	--	--	4.93	16.31	--
MW-16	6/9/2022	21.24	--	--	--	7.62	13.62	--

Table 5

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

MW-16	9/1/2022	21.24	--	--	--	9.00	12.24	
MW-16	11/8/2022	21.24	--	--	--	7.64	13.60	
MW-16	2/20/2023	21.24	--	--	--	7.90	13.34	
MW-16	5/15/2023	21.24	--	--	--	7.61	13.63	
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-2	2/20/2023	21.36	--	--	--	8.64	12.72	--
DW-3	11/14/2011	21.75	--	--	--	10.26	11.49	--
DW-3	2/20/2012	21.75	--	--	--	8.95	12.80	--
DW-3	8/22/2012	21.75	--	--	--	11.01	10.74	--
DW-3	11/5/2012	21.75	--	--	--	9.38	12.37	--
DW-3	1/28/2013	21.75	--	--	--	9.39	12.36	--
DW-3	5/9/2013	21.75	--	--	--	9.87	11.88	--
DW-3	8/19/2013	21.75	--	--	--	11.88	9.87	--
DW-3	11/25/2013	21.75	--	--	--	9.49	12.26	--
DW-3	2/14/2014	21.75	--	--	--	9.00	12.75	--
DW-3	5/5/2014	21.75	--	--	--	8.31	13.44	--
DW-3	11/21/2014	21.75	--	--	--	9.29	12.46	--
DW-3	9/23/2019	21.75	--	--	--	7.60	14.15	--
DW-4	8/22/2012	16.61	--	--	--	5.91	10.70	--
DW-4	11/5/2012	16.61	--	--	--	4.08	12.53	--
DW-4	1/28/2013	16.61	--	--	--	4.69	11.92	--
DW-4	5/9/2013	16.61	--	--	--	4.69	11.92	--
DW-4	8/19/2013	16.61	--	--	--	6.39	10.22	--
DW-4	11/25/2013	16.61	--	--	--	4.41	12.20	--
DW-4	2/14/2014	16.61	--	--	--	3.66	12.95	--
DW-4	5/5/2014	16.61	--	--	--	2.94	13.67	--
DW-4	8/19/2014	16.61	--	--	--	5.44	11.17	--
DW-4	11/21/2014	16.61	--	--	--	4.35	12.26	--
BR-1	11/5/2012	19.55	--	--	--	8.18	11.37	--
BR-1	1/28/2013	19.55	--	--	--	9.60	9.95	--
BR-1	5/9/2013	19.55	--	--	--	10.80	8.75	--
BR-1	8/19/2013	19.55	--	--	--	10.96	8.59	--
BR-1	11/25/2013	19.55	--	--	--	10.03	9.52	--
BR-1	2/14/2014	19.55	--	--	--	7.42	12.13	--
BR-1	5/5/2014	19.55	--	--	--	5.88	13.67	--
BR-1	8/19/2014	19.55	--	--	--	10.58	8.97	--
BR-1	11/21/2014	19.55	--	--	--	9.69	9.86	--
BR-2	11/5/2012	18.08	--	--	--	6.73	11.35	--
BR-2	1/28/2013	18.08	--	--	--	8.02	10.06	--
BR-2	5/9/2013	18.08	--	--	--	9.33	8.75	--
BR-2	8/19/2013	18.08	--	--	--	9.42	8.66	--
BR-2	11/25/2013	18.08	--	--	--	8.55	9.53	--
BR-2	2/14/2014	18.08	--	--	--	6.04	12.04	--
BR-2	5/5/2014	18.08	--	--	--	4.44	13.64	--
BR-2	8/19/2014	18.08	--	--	--	9.05	9.03	--
BR-2	11/21/2014	18.08	--	--	--	7.61	10.47	--
WS-1	1/28/2013	12.24			DRY			
WS-1	5/9/2013	12.24			DRY			
WS-1	8/19/2013	12.24			DRY			

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

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	--
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	--

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

EX-1	8/19/2014	21.54	9.86	11.68	0.41	10.27	11.58	--
EX-1	7/11/2016	--	9.05	--	0.55	9.60	--	--
EX-1	7/11/2017	--	7.8	--	1.91	9.71	--	--
EX-1	12/11/2017	21.54	4.92	16.62	4.72	9.64	15.68	--
EX-1	2/26/2018	21.54	--	--	--	--	--	--
EX-1	6/11/2018	21.54	8.75	12.79	0.63	9.38	12.66	--
EX-1	12/17/2018	21.54	7.38	14.16	1.94	9.32	13.77	--
EX-1	3/11/2019	21.54	7.38	14.16	1.89	9.27	13.78	--
EX-1	6/12/2019	21.54	7.05	14.49	2.21	9.26	14.05	--
EX-1	9/23/2019	21.54	8.30	13.24	0.95	9.25	13.05	--
EX-1	12/4/2019	21.54	7.80	13.74	1.31	9.11	13.48	--
EX-1	2/24/2020	21.54	7.20	14.34	1.27	8.47	14.09	--
EX-1	6/12/2020	21.46	7.92	13.54	0.2	8.12	13.50	--
EX-1	12/2/2020	21.54	--	--	--	7.54	14.00	--
EX-1	5/24/2021	21.54	--	--	--	10.91	10.63	--
EX-1	9/14/2021	21.54	--	--	--	12.81	8.73	--
EX-1	12/20/2021	21.54	--	--	--	7.67	13.87	--
EX-1	3/1/2022	21.54	--	--	--	7.00	14.54	--
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

Appendices

Appendix A

O&M Laboratory Analytical Reports

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/4/2023 11:07:14 AM

JOB DESCRIPTION

P66 Renton Terminal AOC 5228 / 11226464

JOB NUMBER

570-136242-1

Eurofins Calscience

Job Notes

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Authorization



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Definitions/Glossary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 11226464

Job ID: 570-136242-1

Glossary

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

Case Narrative

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 11226464

Job ID: 570-136242-1

Job ID: 570-136242-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-136242-1

Comments

No additional comments.

Receipt

The samples were received on 4/26/2023 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 22.0° C.

Air Toxics

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

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Detection Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 11226464

Job ID: 570-136242-1

Client Sample ID: A-042423-LP-INF

Lab Sample ID: 570-136242-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	180		5.0	ppb v/v	10		TO-15	Total/NA
Ethylbenzene	78		5.0	ppb v/v	10		TO-15	Total/NA
o-Xylene	190		5.0	ppb v/v	10		TO-15	Total/NA
m,p-Xylene	510		20	ppb v/v	10		TO-15	Total/NA
Toluene	320		5.0	ppb v/v	10		TO-15	Total/NA
Xylenes, Total	700		25	ppb v/v	10		TO-15	Total/NA
Gasoline Range Organics (C6-C12)	36		1.0	ppm v/v	1		TO3	Total/NA

Client Sample ID: A-042423-LP-EFF

Lab Sample ID: 570-136242-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.56		0.50	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.58		0.50	ppb v/v	1		TO-15	Total/NA
Toluene	0.77		0.50	ppb v/v	1		TO-15	Total/NA
Gasoline Range Organics (C6-C12)	1.2		1.0	ppm v/v	1		TO3	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Client Sample Results

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 / 11226464

Job ID: 570-136242-1

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Client Sample ID: A-042423-LP-INF

Date Collected: 04/24/23 12:30

Date Received: 04/26/23 09:50

Sample Container: Summa Canister 1L

Lab Sample ID: 570-136242-1

Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	180		5.0	ppb v/v			04/27/23 10:25	10
Ethylbenzene	78		5.0	ppb v/v			04/27/23 10:25	10
o-Xylene	190		5.0	ppb v/v			04/27/23 10:25	10
m,p-Xylene	510		20	ppb v/v			04/27/23 10:25	10
Toluene	320		5.0	ppb v/v			04/27/23 10:25	10
Xylenes, Total	700		25	ppb v/v			04/27/23 10:25	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		66 - 132		04/27/23 10:25	10
4-Bromofluorobenzene (Surr)	102		70 - 130		04/27/23 10:25	10
Toluene-d8 (Surr)	97		70 - 130		04/27/23 10:25	10

Client Sample ID: A-042423-LP-EFF

Date Collected: 04/24/23 12:45

Date Received: 04/26/23 09:50

Sample Container: Summa Canister 1L

Lab Sample ID: 570-136242-2

Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.56		0.50	ppb v/v			04/27/23 09:43	1
Ethylbenzene	ND		0.50	ppb v/v			04/27/23 09:43	1
o-Xylene	0.58		0.50	ppb v/v			04/27/23 09:43	1
m,p-Xylene	ND		2.0	ppb v/v			04/27/23 09:43	1
Toluene	0.77		0.50	ppb v/v			04/27/23 09:43	1
Xylenes, Total	ND		2.5	ppb v/v			04/27/23 09:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 132		04/27/23 09:43	1
4-Bromofluorobenzene (Surr)	99		70 - 130		04/27/23 09:43	1
Toluene-d8 (Surr)	97		70 - 130		04/27/23 09:43	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 11226464

Job ID: 570-136242-1

Method: EPA TO3 - Volatile Organic Compounds in Ambient Air, Cryogenic Pre-Conc Techniques (GC)

Client Sample ID: A-042423-LP-INF

Date Collected: 04/24/23 12:30

Date Received: 04/26/23 09:50

Sample Container: Summa Canister 1L

Lab Sample ID: 570-136242-1

Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	36		1.0	ppm v/v			04/26/23 13:44	1

Client Sample ID: A-042423-LP-EFF

Date Collected: 04/24/23 12:45

Date Received: 04/26/23 09:50

Sample Container: Summa Canister 1L

Lab Sample ID: 570-136242-2

Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	1.2		1.0	ppm v/v			04/26/23 13:00	1

Surrogate Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 11226464

Job ID: 570-136242-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Matrix: Air

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA	BFB	TOL
		(66-132)	(70-130)	(70-130)
570-136242-1	A-042423-LP-INF	96	102	97
570-136242-2	A-042423-LP-EFF	98	99	97
LCS 570-323495/3	Lab Control Sample	100	101	100
LCSD 570-323495/4	Lab Control Sample Dup	100	100	101
MB 570-323495/6	Method Blank	97	95	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 11226464

Job ID: 570-136242-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 570-323495/6
Matrix: Air
Analysis Batch: 323495

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ppb v/v			04/26/23 17:14	1
Ethylbenzene	ND		0.50	ppb v/v			04/26/23 17:14	1
o-Xylene	ND		0.50	ppb v/v			04/26/23 17:14	1
m,p-Xylene	ND		2.0	ppb v/v			04/26/23 17:14	1
Toluene	ND		0.50	ppb v/v			04/26/23 17:14	1
Xylenes, Total	ND		2.5	ppb v/v			04/26/23 17:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		66 - 132		04/26/23 17:14	1
4-Bromofluorobenzene (Surr)	95		70 - 130		04/26/23 17:14	1
Toluene-d8 (Surr)	98		70 - 130		04/26/23 17:14	1

Lab Sample ID: LCS 570-323495/3
Matrix: Air
Analysis Batch: 323495

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	25.0	25.80		ppb v/v		103	68 - 134
Ethylbenzene	25.0	24.42		ppb v/v		98	70 - 130
o-Xylene	25.0	22.81		ppb v/v		91	68 - 130
m,p-Xylene	50.0	48.30		ppb v/v		97	70 - 130
Toluene	25.0	24.95		ppb v/v		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		66 - 132
4-Bromofluorobenzene (Surr)	101		70 - 130
Toluene-d8 (Surr)	100		70 - 130

Lab Sample ID: LCSD 570-323495/4
Matrix: Air
Analysis Batch: 323495

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	25.0	25.13		ppb v/v		101	68 - 134	3	25
Ethylbenzene	25.0	24.30		ppb v/v		97	70 - 130	0	25
o-Xylene	25.0	23.02		ppb v/v		92	68 - 130	1	25
m,p-Xylene	50.0	48.77		ppb v/v		98	70 - 130	1	25
Toluene	25.0	24.58		ppb v/v		98	70 - 130	2	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		66 - 132
4-Bromofluorobenzene (Surr)	100		70 - 130
Toluene-d8 (Surr)	101		70 - 130

QC Sample Results

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 / 11226464

Job ID: 570-136242-1

Method: TO3 - Volatile Organic Compounds in Ambient Air, Cryogenic Pre-Conc Techniques (GC)

Lab Sample ID: MB 570-323896/3
Matrix: Air
Analysis Batch: 323896

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	ND		1.0	ppm v/v			04/26/23 10:46	1

Lab Sample ID: LCS 570-323896/2
Matrix: Air
Analysis Batch: 323896

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (C6-C12)	100	85.22		ppm v/v		85	80 - 120

Lab Sample ID: 570-136242-1 DU
Matrix: Air
Analysis Batch: 323896

Client Sample ID: A-042423-LP-INF
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Gasoline Range Organics (C6-C12)	36		36.89		ppm v/v		3	20

QC Association Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 11226464

Job ID: 570-136242-1

Air - GC/MS VOA

Analysis Batch: 323495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-136242-1	A-042423-LP-INF	Total/NA	Air	TO-15	
570-136242-2	A-042423-LP-EFF	Total/NA	Air	TO-15	
MB 570-323495/6	Method Blank	Total/NA	Air	TO-15	
LCS 570-323495/3	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 570-323495/4	Lab Control Sample Dup	Total/NA	Air	TO-15	

Air - GC VOA

Analysis Batch: 323896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-136242-1	A-042423-LP-INF	Total/NA	Air	TO3	
570-136242-2	A-042423-LP-EFF	Total/NA	Air	TO3	
MB 570-323896/3	Method Blank	Total/NA	Air	TO3	
LCS 570-323896/2	Lab Control Sample	Total/NA	Air	TO3	
570-136242-1 DU	A-042423-LP-INF	Total/NA	Air	TO3	

Lab Chronicle

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 / 11226464

Job ID: 570-136242-1

Client Sample ID: A-042423-LP-INF

Lab Sample ID: 570-136242-1

Date Collected: 04/24/23 12:30

Matrix: Air

Date Received: 04/26/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		10	250 mL	250 mL	323495	04/27/23 10:25	DU6U	EET CAL 4
Instrument ID: GCMSAA										
Total/NA	Analysis	TO3		1	10 mL	10 mL	323896	04/26/23 13:44	I9H5	EET CAL 4
Instrument ID: GC71										

Client Sample ID: A-042423-LP-EFF

Lab Sample ID: 570-136242-2

Date Collected: 04/24/23 12:45

Matrix: Air

Date Received: 04/26/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	250 mL	250 mL	323495	04/27/23 09:43	DU6U	EET CAL 4
Instrument ID: GCMSAA										
Total/NA	Analysis	TO3		1	10 mL	10 mL	323896	04/26/23 13:00	I9H5	EET CAL 4
Instrument ID: GC71										

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494



Accreditation/Certification Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 11226464

Job ID: 570-136242-1

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-24
Washington	State	C916-18	10-11-23

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

Analysis Method	Prep Method	Matrix	Analyte
TO-15		Air	m,p-Xylene
TO-15		Air	o-Xylene



Method Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 11226464

Job ID: 570-136242-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	EET CAL 4
TO3	Volatile Organic Compounds in Ambient Air, Cryogenic Pre-Conc Techniques (GC)	EPA	EET CAL 4

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494



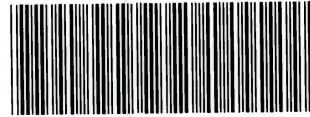
Sample Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 11226464

Job ID: 570-136242-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-136242-1	A-042423-LP-INF	Air	04/24/23 12:30	04/26/23 09:50	Air Canister (1-Liter) #LC658
570-136242-2	A-042423-LP-EFF	Air	04/24/23 12:45	04/26/23 09:50	Air Canister (1-Liter) #LC396

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CHAIN OF CUSTODY RECORD

DATE: 04/24/23
 PAGE: 1 OF 1

LABORATORY CLIENT: GHD Services Inc.				CLIENT PROJECT NAME / NUMBER: P66 Renton Terminal AOC 5228 / 11226464			P.O. NO.: 11226464-2021-04											
ADDRESS: 9725 3rd Avenue NE Ste 204				PROJECT CONTACT: Fabio Minervini 949-648-5270 Rose Bier 305-903-4318			SAMPLER(S): (PRINT) Luca Piscitello											
CITY: Seattle		STATE: WA		ZIP: 98115														
TEL: 305-903-4318		E-MAIL: rosemary.bier@ghd.com		REQUESTED ANALYSES														
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"): <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> COELT EDF GLOBAL ID: _____ LOG CODE: _____				Please check box or fill in blank as needed.														
SPECIAL INSTRUCTIONS: CC results to fabio.minervini@ghd.com				Unpreserved	Preserved	Field Filtered												
LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.													ID #
		DATE	TIME															
	A-042423-LP-INF	04/24/23	1230	A	1	X	X											LL658
	A-042423-LP-EFP	04/24/23	1245	A	1	X	X											LL396
Relinquished by: (Signature) <i>Luca Piscitello GHD</i> <u>04/24/23 1530</u>				Received by: (Signature/Affiliation) <i>F. Minervini</i> <u>LC</u>				Date: <u>4/25/23</u>		Time: <u>0900</u>								
Relinquished by: (Signature)				Received by: (Signature/Affiliation)				Date:		Time:								
Relinquished by: (Signature)				Received by: (Signature/Affiliation)				Date:		Time:								



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570-136242 Waybill

ORIGIN ID:OTS# (503) 956-5391
 CALSCIENCE ENVIRONMENTAL LAB
 STE 100
 2841 DOW AVE STE 100
 TUSTIN CA 92780
 UNITED STATES US

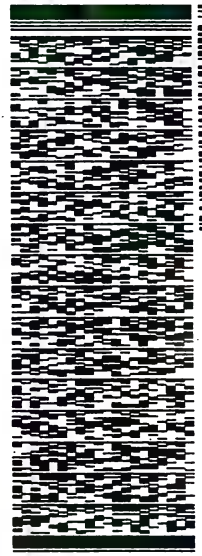
SHIP DATE: 24APR23
 ACTWGT: 6.00 LB
 CAD: 6990555/SSF02461
 DIMS: 12x11x10 IN
 BILL THIRD PARTY

TO
CALSCIENCE ENVIRONMENTAL LAB
STE 100
2841 DOW AVE STE 100
TUSTIN CA 92780

(503) 956-5391
 INV#
 PO#

REF#

DEPT#



1 of 2
 TRK# 3974 3396 3871
 0501
 ## MASTER ##

TUE - 25 APR 10:30
 PRIORITY OVERNIGHT

92 DTHA

9278
 CA-US SN



Part # 156297-435 RRDB2 EXP 04/24

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-136242-1

Login Number: 136242

List Source: Eurofins Calscience

List Number: 1

Creator: Cortez Diaz, Antonio

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

Summa Canister Dilution Worksheet

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 / 11226464

Job No.: 570-136242-1

Lab Sample ID	Canister Volume (L)	Presampling Pressure ("Hg)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Final Pressure Gauge ID	Date	Time	Analyst Initials
570-136242-1	1	-29.5	-6	0.80	0.80	-2.94692	0.80	0.80		1.00	1.00	air mg7	04/26/23	12:59	I9H5
570-136242-2	1	-29.5	-5.5	0.82	0.82	-2.70135	0.82	0.82		1.00	1.00	air mg7	04/26/23	12:59	I9H5

Formulae:

- Preadjusted Volume (L) = ((Preadjusted Pressure ("Hg) + 29.92 "Hg) * Vol L) / 29.92 "Hg
- Adjusted Volume (L) = ((Adjusted Pressure (psig) + 14.7 psig) * Vol L) / 14.7 psig
- Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

- 29.92 "Hg = Standard atmospheric pressure in inches of Mercury ("Hg)
- 14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)





ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/8/2023 12:45:25 PM

JOB DESCRIPTION

P66 Renton Terminal AOC 5228 / 12605516

JOB NUMBER

570-136216-1

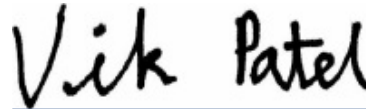
Job Notes

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The data in the report relate to the field sample(s) as received by the laboratory and associated QC. All results have been reviewed and have been found to be compliant with laboratory and accreditation requirements, with the exception of the noted deviation(s). For questions, please contact the Project Manager.

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

Authorization



Generated
5/8/2023 12:45:25 PM

Authorized for release by
Vikas Patel, Project Manager I
Vikas.Patel@et.eurofinsus.com
(714)895-5494



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Definitions/Glossary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136216-1

Glossary

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

Case Narrative

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136216-1

Job ID: 570-136216-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative 570-136216-1

Comments

No additional comments.

Receipt

The samples were received on 4/25/2023 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.7° C.

GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) associated with batch 570-324077 recovered above the upper control limit for m,p-Xylene and Xylenes, Total. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: GW-042423-LP-MID 1 (570-136216-2), GW-042423-LP-MID 2 (570-136216-3) and (CCVIS 570-324077/3).

Method 8260C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-324077. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: GW-042423-LP-MID 1 (570-136216-2). Elevated reporting limits (RLs) are provided.

Method 8260C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-324262. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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

GC VOA

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

GC Semi VOA

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

Organic Prep

Method 3510C SGC: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-325765. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8015B_DRO

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

VOA Prep

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

Detection Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136216-1

Client Sample ID: GW-042423-LP-INF 1

Lab Sample ID: 570-136216-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1600		25	ug/L	50		8260C	Total/NA
Toluene	1800		50	ug/L	50		8260C	Total/NA
Ethylbenzene	360		50	ug/L	50		8260C	Total/NA
o-Xylene - RA	1500		50	ug/L	50		8260C	Total/NA
m,p-Xylene - RA	4500		100	ug/L	50		8260C	Total/NA
Xylenes, Total - RA	6000		100	ug/L	50		8260C	Total/NA
TPH as Gasoline (C4-C13)	22000		500	ug/L	5		NWTPH-Gx	Total/NA
TPH as Diesel Range	14		0.094	mg/L	1		NWTPH-Dx	Silica Gel Cleanup

Client Sample ID: GW-042423-LP-MID 1

Lab Sample ID: 570-136216-2

No Detections.

Client Sample ID: GW-042423-LP-MID 2

Lab Sample ID: 570-136216-3

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.6		0.50	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Client Sample Results

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136216-1

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

Client Sample ID: GW-042423-LP-INF 1

Date Collected: 04/24/23 11:45

Date Received: 04/25/23 09:45

Lab Sample ID: 570-136216-1

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1600		25	ug/L			04/27/23 03:59	50
Toluene	1800		50	ug/L			04/27/23 03:59	50
Ethylbenzene	360		50	ug/L			04/27/23 03:59	50
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		70 - 123				04/27/23 03:59	50
4-Bromofluorobenzene (Surr)	92		80 - 120				04/27/23 03:59	50
Dibromofluoromethane (Surr)	111		78 - 120				04/27/23 03:59	50
Toluene-d8 (Surr)	99		80 - 120				04/27/23 03:59	50

Client Sample ID: GW-042423-LP-MID 1

Date Collected: 04/24/23 11:30

Date Received: 04/25/23 09:45

Lab Sample ID: 570-136216-2

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0	ug/L			04/27/23 03:35	4
Toluene	ND		4.0	ug/L			04/27/23 03:35	4
o-Xylene	ND		4.0	ug/L			04/27/23 03:35	4
m,p-Xylene	ND		8.0	ug/L			04/27/23 03:35	4
Ethylbenzene	ND		4.0	ug/L			04/27/23 03:35	4
Xylenes, Total	ND		8.0	ug/L			04/27/23 03:35	4
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		70 - 123				04/27/23 03:35	4
4-Bromofluorobenzene (Surr)	82		80 - 120				04/27/23 03:35	4
Dibromofluoromethane (Surr)	114		78 - 120				04/27/23 03:35	4
Toluene-d8 (Surr)	101		80 - 120				04/27/23 03:35	4

Client Sample ID: GW-042423-LP-MID 2

Date Collected: 04/24/23 11:15

Date Received: 04/25/23 09:45

Lab Sample ID: 570-136216-3

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.6		0.50	ug/L			04/27/23 03:11	1
Toluene	ND		1.0	ug/L			04/27/23 03:11	1
o-Xylene	ND		1.0	ug/L			04/27/23 03:11	1
m,p-Xylene	ND		2.0	ug/L			04/27/23 03:11	1
Ethylbenzene	ND		1.0	ug/L			04/27/23 03:11	1
Xylenes, Total	ND		2.0	ug/L			04/27/23 03:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		70 - 123				04/27/23 03:11	1
4-Bromofluorobenzene (Surr)	85		80 - 120				04/27/23 03:11	1
Dibromofluoromethane (Surr)	115		78 - 120				04/27/23 03:11	1
Toluene-d8 (Surr)	100		80 - 120				04/27/23 03:11	1

Client Sample Results

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136216-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS - RA

Client Sample ID: GW-042423-LP-INF 1

Date Collected: 04/24/23 11:45

Date Received: 04/25/23 09:45

Lab Sample ID: 570-136216-1

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	1500		50	ug/L			04/27/23 16:30	50
m,p-Xylene	4500		100	ug/L			04/27/23 16:30	50
Xylenes, Total	6000		100	ug/L			04/27/23 16:30	50
<hr/>								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>1,2-Dichloroethane-d4 (Surr)</i>	101		70 - 123				04/27/23 16:30	50
<i>4-Bromofluorobenzene (Surr)</i>	96		80 - 120				04/27/23 16:30	50
<i>Dibromofluoromethane (Surr)</i>	103		78 - 120				04/27/23 16:30	50
<i>Toluene-d8 (Surr)</i>	97		80 - 120				04/27/23 16:30	50

Client Sample Results

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136216-1

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

Client Sample ID: GW-042423-LP-INF 1

Date Collected: 04/24/23 11:45

Date Received: 04/25/23 09:45

Lab Sample ID: 570-136216-1

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	22000		500	ug/L			05/01/23 17:32	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		50 - 150				05/01/23 17:32	5

Client Sample ID: GW-042423-LP-MID 1

Date Collected: 04/24/23 11:30

Date Received: 04/25/23 09:45

Lab Sample ID: 570-136216-2

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			05/01/23 16:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		50 - 150				05/01/23 16:53	1

Client Sample ID: GW-042423-LP-MID 2

Date Collected: 04/24/23 11:15

Date Received: 04/25/23 09:45

Lab Sample ID: 570-136216-3

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			05/01/23 16:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		50 - 150				05/01/23 16:34	1

Client Sample Results

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136216-1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup - Silica Gel Cleanup

Client Sample ID: GW-042423-LP-INF 1

Date Collected: 04/24/23 11:45

Date Received: 04/25/23 09:45

Lab Sample ID: 570-136216-1

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	14		0.094	mg/L		05/02/23 17:55	05/03/23 21:36	1
TPH as Motor Oil Range	ND		0.094	mg/L		05/02/23 17:55	05/03/23 21:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	109		50 - 150			05/02/23 17:55	05/03/23 21:36	1

Client Sample ID: GW-042423-LP-MID 1

Date Collected: 04/24/23 11:30

Date Received: 04/25/23 09:45

Lab Sample ID: 570-136216-2

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.099	mg/L		05/02/23 17:55	05/03/23 21:56	1
TPH as Motor Oil Range	ND		0.099	mg/L		05/02/23 17:55	05/03/23 21:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	109		50 - 150			05/02/23 17:55	05/03/23 21:56	1

Client Sample ID: GW-042423-LP-MID 2

Date Collected: 04/24/23 11:15

Date Received: 04/25/23 09:45

Lab Sample ID: 570-136216-3

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.096	mg/L		05/02/23 17:55	05/03/23 22:17	1
TPH as Motor Oil Range	ND		0.096	mg/L		05/02/23 17:55	05/03/23 22:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	97		50 - 150			05/02/23 17:55	05/03/23 22:17	1

Surrogate Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136216-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (70-123)	BFB (80-120)	DBFM (78-120)	TOL (80-120)
570-136216-1	GW-042423-LP-INF 1	108	92	111	99
570-136216-1 - RA	GW-042423-LP-INF 1	101	96	103	97
570-136216-2	GW-042423-LP-MID 1	111	82	114	101
570-136216-3	GW-042423-LP-MID 2	113	85	115	100
LCS 570-324077/4	Lab Control Sample	95	95	97	100
LCS 570-324262/4	Lab Control Sample	97	95	98	101
LCSD 570-324077/5	Lab Control Sample Dup	94	94	95	100
LCSD 570-324262/5	Lab Control Sample Dup	96	95	97	100
MB 570-324077/7	Method Blank	106	84	109	99
MB 570-324262/7	Method Blank	108	84	112	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		BFB1 (50-150)
570-136216-1	GW-042423-LP-INF 1	113
570-136216-2	GW-042423-LP-MID 1	110
570-136216-3	GW-042423-LP-MID 2	111
570-136216-3 MS	GW-042423-LP-MID 2	113
570-136216-3 MSD	GW-042423-LP-MID 2	111
LCS 570-325381/3	Lab Control Sample	107
LCSD 570-325381/4	Lab Control Sample Dup	107
MB 570-325381/5	Method Blank	111

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Matrix: Water

Prep Type: Silica Gel Cleanup

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		OTCSN (50-150)
570-136216-1	GW-042423-LP-INF 1	109
570-136216-2	GW-042423-LP-MID 1	109
570-136216-3	GW-042423-LP-MID 2	97
LCS 570-325765/2-A	Lab Control Sample	99
LCSD 570-325765/3-A	Lab Control Sample Dup	98
MB 570-325765/1-A	Method Blank	111

Surrogate Legend

OTCSN = n-Octacosane (Surr)

QC Sample Results

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136216-1

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

Lab Sample ID: MB 570-324077/7
Matrix: Water
Analysis Batch: 324077

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			04/26/23 23:37	1
Toluene	ND		1.0	ug/L			04/26/23 23:37	1
o-Xylene	ND		1.0	ug/L			04/26/23 23:37	1
m,p-Xylene	ND		2.0	ug/L			04/26/23 23:37	1
Ethylbenzene	ND		1.0	ug/L			04/26/23 23:37	1
Xylenes, Total	ND		2.0	ug/L			04/26/23 23:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		70 - 123		04/26/23 23:37	1
4-Bromofluorobenzene (Surr)	84		80 - 120		04/26/23 23:37	1
Dibromofluoromethane (Surr)	109		78 - 120		04/26/23 23:37	1
Toluene-d8 (Surr)	99		80 - 120		04/26/23 23:37	1

Lab Sample ID: LCS 570-324077/4
Matrix: Water
Analysis Batch: 324077

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.0	21.74		ug/L		109	80 - 121
Toluene	20.0	20.16		ug/L		101	80 - 120
o-Xylene	20.0	19.81		ug/L		99	80 - 122
m,p-Xylene	40.0	42.55		ug/L		106	80 - 123
Ethylbenzene	20.0	19.73		ug/L		99	80 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		70 - 123
4-Bromofluorobenzene (Surr)	95		80 - 120
Dibromofluoromethane (Surr)	97		78 - 120
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: LCSD 570-324077/5
Matrix: Water
Analysis Batch: 324077

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	20.0	22.09		ug/L		110	80 - 121	2	20
Toluene	20.0	20.38		ug/L		102	80 - 120	1	20
o-Xylene	20.0	20.11		ug/L		101	80 - 122	1	20
m,p-Xylene	40.0	43.50		ug/L		109	80 - 123	2	20
Ethylbenzene	20.0	20.13		ug/L		101	80 - 121	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		70 - 123
4-Bromofluorobenzene (Surr)	94		80 - 120
Dibromofluoromethane (Surr)	95		78 - 120
Toluene-d8 (Surr)	100		80 - 120

QC Sample Results

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136216-1

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

Lab Sample ID: MB 570-324262/7
Matrix: Water
Analysis Batch: 324262

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		1.0	ug/L			04/27/23 11:17	1
m,p-Xylene	ND		2.0	ug/L			04/27/23 11:17	1
Xylenes, Total	ND		2.0	ug/L			04/27/23 11:17	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		70 - 123				04/27/23 11:17	1
4-Bromofluorobenzene (Surr)	84		80 - 120				04/27/23 11:17	1
Dibromofluoromethane (Surr)	112		78 - 120				04/27/23 11:17	1
Toluene-d8 (Surr)	99		80 - 120				04/27/23 11:17	1

Lab Sample ID: LCS 570-324262/4
Matrix: Water
Analysis Batch: 324262

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	20.0	19.48		ug/L		97	80 - 122
m,p-Xylene	40.0	42.71		ug/L		107	80 - 123
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1,2-Dichloroethane-d4 (Surr)	97		70 - 123				
4-Bromofluorobenzene (Surr)	95		80 - 120				
Dibromofluoromethane (Surr)	98		78 - 120				
Toluene-d8 (Surr)	101		80 - 120				

Lab Sample ID: LCSD 570-324262/5
Matrix: Water
Analysis Batch: 324262

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
o-Xylene	20.0	19.95		ug/L		100	80 - 122	2	20
m,p-Xylene	40.0	43.54		ug/L		109	80 - 123	2	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	96		70 - 123						
4-Bromofluorobenzene (Surr)	95		80 - 120						
Dibromofluoromethane (Surr)	97		78 - 120						
Toluene-d8 (Surr)	100		80 - 120						

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

Lab Sample ID: MB 570-325381/5
Matrix: Water
Analysis Batch: 325381

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			05/01/23 12:21	1

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QC Sample Results

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136216-1

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

Lab Sample ID: MB 570-325381/5
Matrix: Water
Analysis Batch: 325381

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

	MB	MB	Limits	Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
4-Bromofluorobenzene (Surr)	111		50 - 150		05/01/23 12:21	1

Lab Sample ID: LCS 570-325381/3
Matrix: Water
Analysis Batch: 325381

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

	Spike	LCS	LCS	Unit	D	%Rec	%Rec	Limits
Analyte	Added	Result	Qualifier				Limits	
TPH as Gasoline (C4-C13)	1920	1831		ug/L		95	76 - 128	

	LCS	LCS	Limits
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		50 - 150

Lab Sample ID: LCSD 570-325381/4
Matrix: Water
Analysis Batch: 325381

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

	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
Analyte	Added	Result	Qualifier				Limits	RPD	Limit	
TPH as Gasoline (C4-C13)	1920	1894		ug/L		99	76 - 128	3	10	

	LCSD	LCSD	Limits
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		50 - 150

Lab Sample ID: 570-136216-3 MS
Matrix: Water
Analysis Batch: 325381

Client Sample ID: GW-042423-LP-MID 2
Prep Type: Total/NA

	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits	RPD	Limit
Analyte	Result	Qualifier	Added	Result	Qualifier				Limits			
TPH as Gasoline (C4-C13)	ND		1920	2256		ug/L		117	69 - 132			

	MS	MS	Limits
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		50 - 150

Lab Sample ID: 570-136216-3 MSD
Matrix: Water
Analysis Batch: 325381

Client Sample ID: GW-042423-LP-MID 2
Prep Type: Total/NA

	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
Analyte	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
TPH as Gasoline (C4-C13)	ND		1920	2269		ug/L		118	69 - 132	1	15	

	MSD	MSD	Limits
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		50 - 150

QC Sample Results

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136216-1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Lab Sample ID: MB 570-325765/1-A
Matrix: Water
Analysis Batch: 326120

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 325765

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
TPH as Diesel Range	ND		0.10	mg/L		05/02/23 17:55	05/03/23 18:08	1
TPH as Motor Oil Range	ND		0.10	mg/L		05/02/23 17:55	05/03/23 18:08	1
Surrogate	MB MB		Limits			Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
<i>n-Octacosane (Surr)</i>	111		50 - 150			05/02/23 17:55	05/03/23 18:08	1

Lab Sample ID: LCS 570-325765/2-A
Matrix: Water
Analysis Batch: 326120

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 325765

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Surrogate	LCS LCS		Limits				
	%Recovery	Qualifier					
<i>n-Octacosane (Surr)</i>	99		50 - 150				

Lab Sample ID: LCSD 570-325765/3-A
Matrix: Water
Analysis Batch: 326120

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 325765

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
C10-C28	4.00	3.768		mg/L		94	68 - 120	4	20
Surrogate	LCSD LCSD		Limits						
	%Recovery	Qualifier							
<i>n-Octacosane (Surr)</i>	98		50 - 150						

QC Association Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136216-1

GC/MS VOA

Analysis Batch: 324077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-136216-1	GW-042423-LP-INF 1	Total/NA	Water	8260C	
570-136216-2	GW-042423-LP-MID 1	Total/NA	Water	8260C	
570-136216-3	GW-042423-LP-MID 2	Total/NA	Water	8260C	
MB 570-324077/7	Method Blank	Total/NA	Water	8260C	
LCS 570-324077/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 570-324077/5	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 324262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-136216-1 - RA	GW-042423-LP-INF 1	Total/NA	Water	8260C	
MB 570-324262/7	Method Blank	Total/NA	Water	8260C	
LCS 570-324262/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 570-324262/5	Lab Control Sample Dup	Total/NA	Water	8260C	

GC VOA

Analysis Batch: 325381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-136216-1	GW-042423-LP-INF 1	Total/NA	Water	NWTPH-Gx	
570-136216-2	GW-042423-LP-MID 1	Total/NA	Water	NWTPH-Gx	
570-136216-3	GW-042423-LP-MID 2	Total/NA	Water	NWTPH-Gx	
MB 570-325381/5	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 570-325381/3	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 570-325381/4	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	
570-136216-3 MS	GW-042423-LP-MID 2	Total/NA	Water	NWTPH-Gx	
570-136216-3 MSD	GW-042423-LP-MID 2	Total/NA	Water	NWTPH-Gx	

GC Semi VOA

Prep Batch: 325765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-136216-1	GW-042423-LP-INF 1	Silica Gel Cleanup	Water	3510C SGC	
570-136216-2	GW-042423-LP-MID 1	Silica Gel Cleanup	Water	3510C SGC	
570-136216-3	GW-042423-LP-MID 2	Silica Gel Cleanup	Water	3510C SGC	
MB 570-325765/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	
LCS 570-325765/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 570-325765/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	

Analysis Batch: 326120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-136216-1	GW-042423-LP-INF 1	Silica Gel Cleanup	Water	NWTPH-Dx	325765
570-136216-2	GW-042423-LP-MID 1	Silica Gel Cleanup	Water	NWTPH-Dx	325765
570-136216-3	GW-042423-LP-MID 2	Silica Gel Cleanup	Water	NWTPH-Dx	325765
MB 570-325765/1-A	Method Blank	Silica Gel Cleanup	Water	NWTPH-Dx	325765
LCS 570-325765/2-A	Lab Control Sample	Silica Gel Cleanup	Water	NWTPH-Dx	325765
LCSD 570-325765/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	NWTPH-Dx	325765

Lab Chronicle

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136216-1

Client Sample ID: GW-042423-LP-INF 1

Lab Sample ID: 570-136216-1

Date Collected: 04/24/23 11:45

Matrix: Water

Date Received: 04/25/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	5 mL	5 mL	324077	04/27/23 03:59	A1W	EET CAL 4
Instrument ID: GCMSXX										
Total/NA	Analysis	8260C	RA	50	5 mL	5 mL	324262	04/27/23 16:30	OH1	EET CAL 4
Instrument ID: GCMSXX										
Total/NA	Analysis	NWTPH-Gx		5	5 mL	5 mL	325381	05/01/23 17:32	P1R	EET CAL 4
Instrument ID: GC73										
Silica Gel Cleanup	Prep	3510C SGC			265.5 mL	2.5 mL	325765	05/02/23 17:55	TR8L	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	326120	05/03/23 21:36	SP9M	EET CAL 4
Instrument ID: GC48										

Client Sample ID: GW-042423-LP-MID 1

Lab Sample ID: 570-136216-2

Date Collected: 04/24/23 11:30

Matrix: Water

Date Received: 04/25/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	5 mL	5 mL	324077	04/27/23 03:35	A1W	EET CAL 4
Instrument ID: GCMSXX										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	325381	05/01/23 16:53	P1R	EET CAL 4
Instrument ID: GC73										
Silica Gel Cleanup	Prep	3510C SGC			251.4 mL	2.5 mL	325765	05/02/23 17:55	TR8L	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	326120	05/03/23 21:56	SP9M	EET CAL 4
Instrument ID: GC48										

Client Sample ID: GW-042423-LP-MID 2

Lab Sample ID: 570-136216-3

Date Collected: 04/24/23 11:15

Matrix: Water

Date Received: 04/25/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	324077	04/27/23 03:11	A1W	EET CAL 4
Instrument ID: GCMSXX										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	325381	05/01/23 16:34	P1R	EET CAL 4
Instrument ID: GC73										
Silica Gel Cleanup	Prep	3510C SGC			260.9 mL	2.5 mL	325765	05/02/23 17:55	TR8L	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	326120	05/03/23 22:17	SP9M	EET CAL 4
Instrument ID: GC48										

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136216-1

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-24
Washington	State	C916-18	10-11-23

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

Analysis Method	Prep Method	Matrix	Analyte
NWTPH-Dx	3510C SGC	Water	TPH as Diesel Range
NWTPH-Dx	3510C SGC	Water	TPH as Motor Oil Range
NWTPH-Gx		Water	TPH as Gasoline (C4-C13)



Method Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136216-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET CAL 4
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC)	NWTPH	EET CAL 4
NWTPH-Dx	Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup	NWTPH	EET CAL 4
3510C SGC	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CAL 4
5030C	Purge and Trap	SW846	EET CAL 4

Protocol References:

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136216-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-136216-1	GW-042423-LP-INF 1	Water	04/24/23 11:45	04/25/23 09:45
570-136216-2	GW-042423-LP-MID 1	Water	04/24/23 11:30	04/25/23 09:45
570-136216-3	GW-042423-LP-MID 2	Water	04/24/23 11:15	04/25/23 09:45

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Calscience

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

136219

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY

DATE: 04/24/23
PAGE: 1 OF 1

LABORATORY CLIENT: **GHD Services Inc.**

ADDRESS: **9725 3rd Avenue NE Ste 204**

CITY: **Seattle** STATE: **WA** ZIP: **98115**

TEL: **206-802-1595** E-MAIL: rosemary.bier@ghd.com

CLIENT PROJECT NAME / NUMBER: **P66 Renton Terminal AOC 5228 / 12572873**

P.O. NO.: **12572873-2021-04**

PROJECT CONTACT: **Fabio Minervini 949-648-5270
Rose Bier 206-802-1595**

SAMPLER(S): (PRINT) **Luca Piscitello**

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
 SAME DAY 24 HR 48 HR 72 HR 5 DAYS STANDARD

COELT EDF GLOBAL ID: _____ LOG CODE: _____

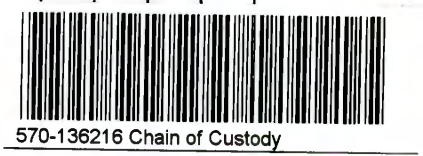
REQUESTED ANALYSES

SPECIAL INSTRUCTIONS: **CC results to fabio.minervini@ghd.com**

Please check box or fill in blank as needed.

	Unpreserved	Preserved	Field Filtered	DRO/ORO (NWTPH-Dx)	GRO (NWTPH-Gx)	BTEX (8260)	Oil and Grease (1664)										
1		X		X	X	X											
2		X		X	X	X											
3		X		X	X	X											

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.
		DATE	TIME		
	GW-042423-LP-INF 1	04/24/23	1145	GW	8
	GW- ↓ -LP-MID 1	↓	1130	GW	8
	GW- ↓ -LP-MID 2	↓	1115	GW	8



Relinquished by: (Signature) <i>Luca Piscitello GHD</i>	Received by: (Signature/Affiliation) <i>[Signature]</i>	Date: <u>4/25/23</u>	Time: <u>0945</u>
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-136216-1

Login Number: 136216

List Source: Eurofins Calscience

List Number: 1

Creator: Patel, Jayesh

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



ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/8/2023 12:42:25 PM

JOB DESCRIPTION

P66 Renton Terminal AOC 5228 / 12605516

JOB NUMBER

570-136214-1

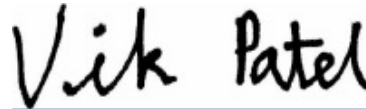
Job Notes

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The data in the report relate to the field sample(s) as received by the laboratory and associated QC. All results have been reviewed and have been found to be compliant with laboratory and accreditation requirements, with the exception of the noted deviation(s). For questions, please contact the Project Manager.

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

Authorization



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5/8/2023 12:42:25 PM

Authorized for release by
Vikas Patel, Project Manager I
Vikas.Patel@et.eurofinsus.com
(714)895-5494



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Definitions/Glossary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136214-1

Glossary

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

Case Narrative

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136214-1

Job ID: 570-136214-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative 570-136214-1

Comments

No additional comments.

Receipt

The samples were received on 4/25/2023 4:54 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.7° C.

GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) associated with batch 570-324077 recovered above the upper control limit for m,p-Xylene and Xylenes, Total. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: COMPOSITE (GW-042423-LP-EFF 1,2,3,4) (570-136214-9) and (CCVIS 570-324077/3).

Method 8260C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-324077. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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

GC VOA

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

GC Semi VOA

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

Metals

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

Organic Prep

Method 3510C SGC: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-325765. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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

VOA Prep

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

Detection Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136214-1

Client Sample ID: GW-042423-LP-EFF

Lab Sample ID: 570-136214-1

No Detections.

Client Sample ID: COMPOSITE (GW-042423-LP-EFF 1,2,3,4)

Lab Sample ID: 570-136214-9

No Detections.

Client Sample ID: COMPOSITE (GW-042423-LP-EFF 5,6,7)

Lab Sample ID: 570-136214-10

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Oil & Grease	1.00		1.00	mg/L	1		1664A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Client Sample Results

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136214-1

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

Client Sample ID: COMPOSITE (GW-042423-LP-EFF 1,2,3,4)

Lab Sample ID: 570-136214-9

Date Collected: 04/24/23 00:00

Matrix: Water

Date Received: 04/25/23 16:54

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			04/27/23 02:00	1
Toluene	ND		1.0	ug/L			04/27/23 02:00	1
o-Xylene	ND		1.0	ug/L			04/27/23 02:00	1
m,p-Xylene	ND		2.0	ug/L			04/27/23 02:00	1
Ethylbenzene	ND		1.0	ug/L			04/27/23 02:00	1
Xylenes, Total	ND		2.0	ug/L			04/27/23 02:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		70 - 123		04/27/23 02:00	1
4-Bromofluorobenzene (Surr)	84		80 - 120		04/27/23 02:00	1
Dibromofluoromethane (Surr)	115		78 - 120		04/27/23 02:00	1
Toluene-d8 (Surr)	100		80 - 120		04/27/23 02:00	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136214-1

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

Client Sample ID: COMPOSITE (GW-042423-LP-EFF 1,2,3,4)

Date Collected: 04/24/23 00:00

Date Received: 04/25/23 16:54

Lab Sample ID: 570-136214-9

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			05/01/23 14:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		50 - 150		05/01/23 14:37	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136214-1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup - Silica Gel Cleanup

Client Sample ID: GW-042423-LP-EFF

Date Collected: 04/24/23 10:15

Date Received: 04/25/23 16:54

Lab Sample ID: 570-136214-1

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.097	mg/L		05/02/23 17:55	05/03/23 21:15	1
TPH as Motor Oil Range	ND		0.097	mg/L		05/02/23 17:55	05/03/23 21:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	114		50 - 150			05/02/23 17:55	05/03/23 21:15	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136214-1

General Chemistry

Client Sample ID: COMPOSITE (GW-042423-LP-EFF 5,6,7)

Lab Sample ID: 570-136214-10

Date Collected: 04/24/23 00:00

Matrix: Water

Date Received: 04/25/23 16:54

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease (40CFR136A 1664A)	1.00		1.00	mg/L		04/26/23 08:06	04/26/23 14:11	1

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Surrogate Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136214-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA (70-123)	BFB (80-120)	DBFM (78-120)	TOL (80-120)
570-136214-9	COMPOSITE (GW-042423-LP-E	110	84	115	100
LCS 570-324077/4	Lab Control Sample	95	95	97	100
LCSD 570-324077/5	Lab Control Sample Dup	94	94	95	100
MB 570-324077/7	Method Blank	106	84	109	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (50-150)
570-136214-9	COMPOSITE (GW-042423-LP-E	114
LCS 570-325381/3	Lab Control Sample	107
LCSD 570-325381/4	Lab Control Sample Dup	107
MB 570-325381/5	Method Blank	111

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Matrix: Water

Prep Type: Silica Gel Cleanup

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN (50-150)
570-136214-1	GW-042423-LP-EFF	114
LCS 570-325765/2-A	Lab Control Sample	99
LCSD 570-325765/3-A	Lab Control Sample Dup	98
MB 570-325765/1-A	Method Blank	111

Surrogate Legend

OTCSN = n-Octacosane (Surr)

QC Sample Results

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136214-1

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

Lab Sample ID: MB 570-324077/7
Matrix: Water
Analysis Batch: 324077

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			04/26/23 23:37	1
Toluene	ND		1.0	ug/L			04/26/23 23:37	1
o-Xylene	ND		1.0	ug/L			04/26/23 23:37	1
m,p-Xylene	ND		2.0	ug/L			04/26/23 23:37	1
Ethylbenzene	ND		1.0	ug/L			04/26/23 23:37	1
Xylenes, Total	ND		2.0	ug/L			04/26/23 23:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		70 - 123		04/26/23 23:37	1
4-Bromofluorobenzene (Surr)	84		80 - 120		04/26/23 23:37	1
Dibromofluoromethane (Surr)	109		78 - 120		04/26/23 23:37	1
Toluene-d8 (Surr)	99		80 - 120		04/26/23 23:37	1

Lab Sample ID: LCS 570-324077/4
Matrix: Water
Analysis Batch: 324077

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.0	21.74		ug/L		109	80 - 121
Toluene	20.0	20.16		ug/L		101	80 - 120
o-Xylene	20.0	19.81		ug/L		99	80 - 122
m,p-Xylene	40.0	42.55		ug/L		106	80 - 123
Ethylbenzene	20.0	19.73		ug/L		99	80 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		70 - 123
4-Bromofluorobenzene (Surr)	95		80 - 120
Dibromofluoromethane (Surr)	97		78 - 120
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: LCSD 570-324077/5
Matrix: Water
Analysis Batch: 324077

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	20.0	22.09		ug/L		110	80 - 121	2	20
Toluene	20.0	20.38		ug/L		102	80 - 120	1	20
o-Xylene	20.0	20.11		ug/L		101	80 - 122	1	20
m,p-Xylene	40.0	43.50		ug/L		109	80 - 123	2	20
Ethylbenzene	20.0	20.13		ug/L		101	80 - 121	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		70 - 123
4-Bromofluorobenzene (Surr)	94		80 - 120
Dibromofluoromethane (Surr)	95		78 - 120
Toluene-d8 (Surr)	100		80 - 120

QC Sample Results

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136214-1

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

Lab Sample ID: MB 570-325381/5
Matrix: Water
Analysis Batch: 325381

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			05/01/23 12:21	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		50 - 150				05/01/23 12:21	1

Lab Sample ID: LCS 570-325381/3
Matrix: Water
Analysis Batch: 325381

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Gasoline (C4-C13)	1920	1831		ug/L		95	76 - 128
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	107		50 - 150				

Lab Sample ID: LCSD 570-325381/4
Matrix: Water
Analysis Batch: 325381

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline (C4-C13)	1920	1894		ug/L		99	76 - 128	3	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	107		50 - 150						

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Lab Sample ID: MB 570-325765/1-A
Matrix: Water
Analysis Batch: 326120

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 325765

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.10	mg/L		05/02/23 17:55	05/03/23 18:08	1
TPH as Motor Oil Range	ND		0.10	mg/L		05/02/23 17:55	05/03/23 18:08	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	111		50 - 150			05/02/23 17:55	05/03/23 18:08	1

Lab Sample ID: LCS 570-325765/2-A
Matrix: Water
Analysis Batch: 326120

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 325765

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	4.00	3.919		mg/L		98	68 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
n-Octacosane (Surr)	99		50 - 150				

Eurofins Calscience

QC Sample Results

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136214-1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup (Continued)

Lab Sample ID: LCSD 570-325765/3-A
Matrix: Water
Analysis Batch: 326120

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 325765

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	4.00	3.768		mg/L		94	68 - 120	4	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
<i>n-Octacosane (Surr)</i>	98		50 - 150						

Method: 1664A - Oil and Grease

Lab Sample ID: MB 570-323845/1-A
Matrix: Water
Analysis Batch: 324000

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 323845

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	ND		1.00	mg/L		04/26/23 08:06	04/26/23 14:11	1

Lab Sample ID: LCS 570-323845/2-A
Matrix: Water
Analysis Batch: 324000

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 323845

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Oil & Grease	40.0	35.40		mg/L		88	78 - 114

Lab Sample ID: LCSD 570-323845/3-A
Matrix: Water
Analysis Batch: 324000

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 323845

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Oil & Grease	40.0	35.00		mg/L		88	78 - 114	1	18

QC Association Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136214-1

GC/MS VOA

Analysis Batch: 324077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-136214-9	COMPOSITE (GW-042423-LP-EFF 1,2,3,4)	Total/NA	Water	8260C	
MB 570-324077/7	Method Blank	Total/NA	Water	8260C	
LCS 570-324077/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 570-324077/5	Lab Control Sample Dup	Total/NA	Water	8260C	

GC VOA

Analysis Batch: 325381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-136214-9	COMPOSITE (GW-042423-LP-EFF 1,2,3,4)	Total/NA	Water	NWTPH-Gx	
MB 570-325381/5	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 570-325381/3	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 570-325381/4	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

GC Semi VOA

Prep Batch: 325765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-136214-1	GW-042423-LP-EFF	Silica Gel Cleanup	Water	3510C SGC	
MB 570-325765/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	
LCS 570-325765/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 570-325765/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	

Analysis Batch: 326120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-136214-1	GW-042423-LP-EFF	Silica Gel Cleanup	Water	NWTPH-Dx	325765
MB 570-325765/1-A	Method Blank	Silica Gel Cleanup	Water	NWTPH-Dx	325765
LCS 570-325765/2-A	Lab Control Sample	Silica Gel Cleanup	Water	NWTPH-Dx	325765
LCSD 570-325765/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	NWTPH-Dx	325765

General Chemistry

Prep Batch: 323845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-136214-10	COMPOSITE (GW-042423-LP-EFF 5,6,7)	Total/NA	Water	1664A	
MB 570-323845/1-A	Method Blank	Total/NA	Water	1664A	
LCS 570-323845/2-A	Lab Control Sample	Total/NA	Water	1664A	
LCSD 570-323845/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	

Analysis Batch: 324000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-136214-10	COMPOSITE (GW-042423-LP-EFF 5,6,7)	Total/NA	Water	1664A	323845
MB 570-323845/1-A	Method Blank	Total/NA	Water	1664A	323845
LCS 570-323845/2-A	Lab Control Sample	Total/NA	Water	1664A	323845
LCSD 570-323845/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	323845

Lab Chronicle

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136214-1

Client Sample ID: GW-042423-LP-EFF

Lab Sample ID: 570-136214-1

Date Collected: 04/24/23 10:15

Matrix: Water

Date Received: 04/25/23 16:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3510C SGC			256.7 mL	2.5 mL	325765	05/02/23 17:55	TR8L	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	326120	05/03/23 21:15	SP9M	EET CAL 4
Instrument ID: GC48										

Client Sample ID: COMPOSITE (GW-042423-LP-EFF 1,2,3,4)

Lab Sample ID: 570-136214-9

Date Collected: 04/24/23 00:00

Matrix: Water

Date Received: 04/25/23 16:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	324077	04/27/23 02:00	A1W	EET CAL 4
Instrument ID: GCMSXX										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	325381	05/01/23 14:37	P1R	EET CAL 4
Instrument ID: GC73										

Client Sample ID: COMPOSITE (GW-042423-LP-EFF 5,6,7)

Lab Sample ID: 570-136214-10

Date Collected: 04/24/23 00:00

Matrix: Water

Date Received: 04/25/23 16:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			1000 mL	1000 mL	323845	04/26/23 08:06	RY4P	EET CAL 4
Total/NA	Analysis	1664A		1			324000	04/26/23 14:11	VB5S	EET CAL 4
Instrument ID: NO EQUIQ										

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136214-1

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-24
Washington	State	C916-18	10-11-23

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

Analysis Method	Prep Method	Matrix	Analyte
NWTPH-Dx	3510C SGC	Water	TPH as Diesel Range
NWTPH-Dx	3510C SGC	Water	TPH as Motor Oil Range
NWTPH-Gx		Water	TPH as Gasoline (C4-C13)



Method Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136214-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET CAL 4
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC)	NWTPH	EET CAL 4
NWTPH-Dx	Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup	NWTPH	EET CAL 4
1664A	Oil and Grease	40CFR136A	EET CAL 4
1664A	HEM and SGT-HEM (Aqueous)	1664A	EET CAL 4
3510C SGC	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CAL 4
5030C	Purge and Trap	SW846	EET CAL 4

Protocol References:

1664A = EPA-821-98-002

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-136214-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-136214-1	GW-042423-LP-EFF	Water	04/24/23 10:15	04/25/23 16:54
570-136214-9	COMPOSITE (GW-042423-LP-EFF 1,2,3,4)	Water	04/24/23 00:00	04/25/23 16:54
570-136214-10	COMPOSITE (GW-042423-LP-EFF 5,6,7)	Water	04/24/23 00:00	04/25/23 16:54

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Calscience

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN OF CUSTODY RECORD

136214

DATE: 04/24/23 0711472260
PAGE: 1 OF 1

WO # / LAB USE ONLY

LABORATORY CLIENT: GHD Services Inc.
ADDRESS: 9725 3rd Avenue NE Ste 204
CITY: Seattle STATE: WA ZIP: 98115
TEL: 206-802-1595 E-MAIL: rosemary.bier@ghd.com

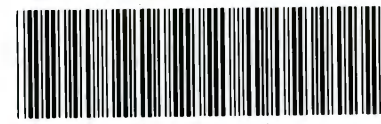
CLIENT PROJECT NAME / NUMBER: P66 Renton Terminal AOC 5228 / 11226464
P.O. NO.: 12572873-2021-04
PROJECT CONTACT: Fabio Minervini 949-648-5270
Rose Bier 305-903-4318
SAMPLER(S): (PRINT) Luca Piscitello

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
 SAME DAY 24 HR 48 HR 72 HR 5 DAYS STANDARD
 COELT EDF GLOBAL ID: LOG CODE:
SPECIAL INSTRUCTIONS:
CC results to fabio.minervini@ghd.com

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	DRO/ORO (NWTPH-Dx)	GRO (NWTPH-Gx)	BTEX (8260)	Oil and Grease (1664)										
		DATE	TIME																			
1	GW-042423-LP-EFF	04/24/23	1015	GW	2		X		X												Lab Composite	
2	GW- -LP-EFF 1		1015	GW	2		X			X	X											Lab Composite
3	GW- -LP-EFF 2		1030	GW	2		X			X	X											Lab Composite
4	GW- -LP-EFF 3		1045	GW	2		X			X	X											Lab Composite
5	GW- -LP-EFF 4		1100	GW	2		X			X	X											Lab Composite
6	GW- -LP-EFF 5		1015	GW	1		X					X										Lab Composite
7	GW- -LP-EFF 6		1030	GW	1		X					X										Lab Composite
8	GW- -LP-EFF 7		1045	GW	1		X					X										Lab Composite



570-136214 Chain of Custody

Relinquished by: (Signature) Luca Piscitello GHD 04/24/23 1530
Relinquished by: (Signature)
Relinquished by: (Signature)

Received by: (Signature/Affiliation) [Signature] 072
Received by: (Signature/Affiliation)
Received by: (Signature/Affiliation)
Date: 4/25/23 Time: 0945
Date: Time:
Date: Time:

1.5/1-7 506

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-136214-1

Login Number: 136214

List Source: Eurofins Calscience

List Number: 1

Creator: Patel, Jayesh

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



ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/23/2023 4:53:14 PM

JOB DESCRIPTION

P66 Renton Terminal AOC 5228

JOB NUMBER

570-138244-1

Eurofins Calscience

Job Notes

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

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

Authorization



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5/23/2023 4:53:14 PM

Authorized for release by
Vikas Patel, Project Manager I
Vikas.Patel@et.eurofinsus.com
(714)895-5494



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Definitions/Glossary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228

Job ID: 570-138244-1

Glossary

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

Case Narrative

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228

Job ID: 570-138244-1

Job ID: 570-138244-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-138244-1

Comments

No additional comments.

Receipt

The samples were received on 5/12/2023 9:42 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 22.0° C.

Air Toxics

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

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Detection Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228

Job ID: 570-138244-1

Client Sample ID: A-051123-LP-INF

Lab Sample ID: 570-138244-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	18		0.50	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	47		0.50	ppb v/v	1		TO-15	Total/NA
Toluene	95		0.50	ppb v/v	1		TO-15	Total/NA
o-Xylene - DL	100		2.5	ppb v/v	5		TO-15	Total/NA
m,p-Xylene - DL	250		10	ppb v/v	5		TO-15	Total/NA
Xylenes, Total - DL	350		13	ppb v/v	5		TO-15	Total/NA
Gasoline Range Organics (C6-C12)	8.6		1.0	ppm v/v	1		TO3	Total/NA

Client Sample ID: A-051123-LP-EFF

Lab Sample ID: 570-138244-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.64		0.50	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.81		0.50	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	2.3		2.0	ppb v/v	1		TO-15	Total/NA
Toluene	2.5		0.50	ppb v/v	1		TO-15	Total/NA
Xylenes, Total	3.1		2.5	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Client Sample Results

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228

Job ID: 570-138244-1

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Client Sample ID: A-051123-LP-INF

Date Collected: 05/11/23 12:45

Date Received: 05/12/23 09:42

Sample Container: Summa Canister 1L

Lab Sample ID: 570-138244-1

Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	18		0.50	ppb v/v			05/13/23 04:24	1
Ethylbenzene	47		0.50	ppb v/v			05/13/23 04:24	1
Toluene	95		0.50	ppb v/v			05/13/23 04:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		66 - 132				05/13/23 04:24	1
4-Bromofluorobenzene (Surr)	109		70 - 130				05/13/23 04:24	1
Toluene-d8 (Surr)	97		70 - 130				05/13/23 04:24	1

Client Sample ID: A-051123-LP-EFF

Date Collected: 05/11/23 12:50

Date Received: 05/12/23 09:42

Sample Container: Summa Canister 1L

Lab Sample ID: 570-138244-2

Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ppb v/v			05/13/23 03:32	1
Ethylbenzene	0.64		0.50	ppb v/v			05/13/23 03:32	1
o-Xylene	0.81		0.50	ppb v/v			05/13/23 03:32	1
m,p-Xylene	2.3		2.0	ppb v/v			05/13/23 03:32	1
Toluene	2.5		0.50	ppb v/v			05/13/23 03:32	1
Xylenes, Total	3.1		2.5	ppb v/v			05/13/23 03:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		66 - 132				05/13/23 03:32	1
4-Bromofluorobenzene (Surr)	100		70 - 130				05/13/23 03:32	1
Toluene-d8 (Surr)	99		70 - 130				05/13/23 03:32	1

Client Sample Results

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228

Job ID: 570-138244-1

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Client Sample ID: A-051123-LP-INF

Date Collected: 05/11/23 12:45

Date Received: 05/12/23 09:42

Sample Container: Summa Canister 1L

Lab Sample ID: 570-138244-1

Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	100		2.5	ppb v/v			05/13/23 22:33	5
m,p-Xylene	250		10	ppb v/v			05/13/23 22:33	5
Xylenes, Total	350		13	ppb v/v			05/13/23 22:33	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		66 - 132				05/13/23 22:33	5
4-Bromofluorobenzene (Surr)	106		70 - 130				05/13/23 22:33	5
Toluene-d8 (Surr)	96		70 - 130				05/13/23 22:33	5

Client Sample Results

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228

Job ID: 570-138244-1

Method: EPA TO3 - Volatile Organic Compounds in Ambient Air, Cryogenic Pre-Conc Techniques (GC)

Client Sample ID: A-051123-LP-INF

Date Collected: 05/11/23 12:45

Date Received: 05/12/23 09:42

Sample Container: Summa Canister 1L

Lab Sample ID: 570-138244-1

Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	8.6		1.0	ppm v/v			05/12/23 18:16	1

Client Sample ID: A-051123-LP-EFF

Date Collected: 05/11/23 12:50

Date Received: 05/12/23 09:42

Sample Container: Summa Canister 1L

Lab Sample ID: 570-138244-2

Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	ND		1.0	ppm v/v			05/12/23 17:56	1

Surrogate Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228

Job ID: 570-138244-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Matrix: Air

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA	BFB	TOL
		(66-132)	(70-130)	(70-130)
570-138244-1	A-051123-LP-INF	102	109	97
570-138244-1 - DL	A-051123-LP-INF	102	106	96
570-138244-2	A-051123-LP-EFF	103	100	99
LCS 570-328579/3	Lab Control Sample	98	105	95
LCS 570-328797/4	Lab Control Sample	99	104	97
LCSD 570-328579/4	Lab Control Sample Dup	99	103	96
LCSD 570-328797/5	Lab Control Sample Dup	99	103	98
MB 570-328579/6	Method Blank	102	93	101
MB 570-328797/11	Method Blank	103	98	97

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228

Job ID: 570-138244-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 570-328579/6
Matrix: Air
Analysis Batch: 328579

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ppb v/v			05/12/23 15:53	1
Ethylbenzene	ND		0.50	ppb v/v			05/12/23 15:53	1
o-Xylene	ND		0.50	ppb v/v			05/12/23 15:53	1
m,p-Xylene	ND		2.0	ppb v/v			05/12/23 15:53	1
Toluene	ND		0.50	ppb v/v			05/12/23 15:53	1
Xylenes, Total	ND		2.5	ppb v/v			05/12/23 15:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		66 - 132		05/12/23 15:53	1
4-Bromofluorobenzene (Surr)	93		70 - 130		05/12/23 15:53	1
Toluene-d8 (Surr)	101		70 - 130		05/12/23 15:53	1

Lab Sample ID: LCS 570-328579/3
Matrix: Air
Analysis Batch: 328579

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	25.0	24.38		ppb v/v		98	68 - 134
Ethylbenzene	25.0	27.86		ppb v/v		111	70 - 130
o-Xylene	25.0	28.81		ppb v/v		115	68 - 130
m,p-Xylene	50.0	56.18		ppb v/v		112	70 - 130
Toluene	25.0	28.83		ppb v/v		115	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		66 - 132
4-Bromofluorobenzene (Surr)	105		70 - 130
Toluene-d8 (Surr)	95		70 - 130

Lab Sample ID: LCSD 570-328579/4
Matrix: Air
Analysis Batch: 328579

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	25.0	23.88		ppb v/v		96	68 - 134	2	25
Ethylbenzene	25.0	26.77		ppb v/v		107	70 - 130	4	25
o-Xylene	25.0	28.04		ppb v/v		112	68 - 130	3	25
m,p-Xylene	50.0	53.82		ppb v/v		108	70 - 130	4	25
Toluene	25.0	27.40		ppb v/v		110	70 - 130	5	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		66 - 132
4-Bromofluorobenzene (Surr)	103		70 - 130
Toluene-d8 (Surr)	96		70 - 130

QC Sample Results

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228

Job ID: 570-138244-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 570-328797/11
Matrix: Air
Analysis Batch: 328797

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ppb v/v			05/13/23 19:47	1
Ethylbenzene	ND		0.50	ppb v/v			05/13/23 19:47	1
o-Xylene	ND		0.50	ppb v/v			05/13/23 19:47	1
m,p-Xylene	ND		2.0	ppb v/v			05/13/23 19:47	1
Toluene	ND		0.50	ppb v/v			05/13/23 19:47	1
Xylenes, Total	ND		2.5	ppb v/v			05/13/23 19:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		66 - 132		05/13/23 19:47	1
4-Bromofluorobenzene (Surr)	98		70 - 130		05/13/23 19:47	1
Toluene-d8 (Surr)	97		70 - 130		05/13/23 19:47	1

Lab Sample ID: LCS 570-328797/4
Matrix: Air
Analysis Batch: 328797

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	25.0	23.91		ppb v/v		96	68 - 134
Ethylbenzene	25.0	26.28		ppb v/v		105	70 - 130
o-Xylene	25.0	27.12		ppb v/v		108	68 - 130
m,p-Xylene	50.0	52.73		ppb v/v		105	70 - 130
Toluene	25.0	27.34		ppb v/v		109	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		66 - 132
4-Bromofluorobenzene (Surr)	104		70 - 130
Toluene-d8 (Surr)	97		70 - 130

Lab Sample ID: LCSD 570-328797/5
Matrix: Air
Analysis Batch: 328797

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	25.0	23.85		ppb v/v		95	68 - 134	0	25
Ethylbenzene	25.0	26.14		ppb v/v		105	70 - 130	1	25
o-Xylene	25.0	27.04		ppb v/v		108	68 - 130	0	25
m,p-Xylene	50.0	52.24		ppb v/v		104	70 - 130	1	25
Toluene	25.0	26.94		ppb v/v		108	70 - 130	1	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		66 - 132
4-Bromofluorobenzene (Surr)	103		70 - 130
Toluene-d8 (Surr)	98		70 - 130

QC Sample Results

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228

Job ID: 570-138244-1

Method: TO3 - Volatile Organic Compounds in Ambient Air, Cryogenic Pre-Conc Techniques (GC)

Lab Sample ID: MB 570-328548/3
Matrix: Air
Analysis Batch: 328548

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	ND		1.0	ppm v/v			05/12/23 10:52	1

Lab Sample ID: LCS 570-328548/2
Matrix: Air
Analysis Batch: 328548

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (C6-C12)	100	94.71		ppm v/v		95	80 - 120

QC Association Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228

Job ID: 570-138244-1

Air - GC/MS VOA

Analysis Batch: 328579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-138244-1	A-051123-LP-INF	Total/NA	Air	TO-15	
570-138244-2	A-051123-LP-EFF	Total/NA	Air	TO-15	
MB 570-328579/6	Method Blank	Total/NA	Air	TO-15	
LCS 570-328579/3	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 570-328579/4	Lab Control Sample Dup	Total/NA	Air	TO-15	

Analysis Batch: 328797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-138244-1 - DL	A-051123-LP-INF	Total/NA	Air	TO-15	
MB 570-328797/11	Method Blank	Total/NA	Air	TO-15	
LCS 570-328797/4	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 570-328797/5	Lab Control Sample Dup	Total/NA	Air	TO-15	

Air - GC VOA

Analysis Batch: 328548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-138244-1	A-051123-LP-INF	Total/NA	Air	TO3	
570-138244-2	A-051123-LP-EFF	Total/NA	Air	TO3	
MB 570-328548/3	Method Blank	Total/NA	Air	TO3	
LCS 570-328548/2	Lab Control Sample	Total/NA	Air	TO3	

Lab Chronicle

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228

Job ID: 570-138244-1

Client Sample ID: A-051123-LP-INF

Lab Sample ID: 570-138244-1

Date Collected: 05/11/23 12:45

Matrix: Air

Date Received: 05/12/23 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	250 mL	250 mL	328579	05/13/23 04:24	Y2DF	EET CAL 4
Instrument ID: GCMSLLL										
Total/NA	Analysis	TO-15	DL	5	250 mL	250 mL	328797	05/13/23 22:33	UHOG	EET CAL 4
Instrument ID: GCMSLLL										
Total/NA	Analysis	TO3		1	10 mL	10 mL	328548	05/12/23 18:16	I9H5	EET CAL 4
Instrument ID: GC71										

Client Sample ID: A-051123-LP-EFF

Lab Sample ID: 570-138244-2

Date Collected: 05/11/23 12:50

Matrix: Air

Date Received: 05/12/23 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	250 mL	250 mL	328579	05/13/23 03:32	Y2DF	EET CAL 4
Instrument ID: GCMSLLL										
Total/NA	Analysis	TO3		1	10 mL	10 mL	328548	05/12/23 17:56	I9H5	EET CAL 4
Instrument ID: GC71										

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228

Job ID: 570-138244-1

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-24
Washington	State	C916-18	10-11-23

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

Analysis Method	Prep Method	Matrix	Analyte
TO-15		Air	m,p-Xylene
TO-15		Air	o-Xylene



Method Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228

Job ID: 570-138244-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	EET CAL 4
TO3	Volatile Organic Compounds in Ambient Air, Cryogenic Pre-Conc Techniques (GC)	EPA	EET CAL 4

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494



Sample Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228

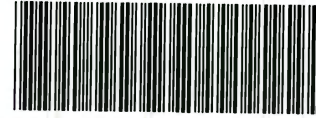
Job ID: 570-138244-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-138244-1	A-051123-LP-INF	Air	05/11/23 12:45	05/12/23 09:42	Air Canister (1-Liter) #LC1008
570-138244-2	A-051123-LP-EFF	Air	05/11/23 12:50	05/12/23 09:42	Air Canister (1-Liter) #LC676

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- 16



Calscience



570-138244 Chain of Custody

CHAIN OF CUSTODY RECORD

DATE: 5/11/2023
 PAGE: 1 OF 1

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
 For courier service / sample drop off information, contact us 26_sales@eurofinsus.com or call us.

LABORATORY CLIENT: GHD Services Inc.		CLIENT PROJECT NAME / NUMBER: P66 Renton Terminal AOC 5228 / 11226464	P.O. NO.: 11226464-2021-04
ADDRESS: 9725 3rd Avenue NE Ste 204		PROJECT CONTACT: Fabio Minervini 949-648-5270 Rose Bier 305-903-4318	SAMPLER(S): (PRINT) Luca Piscitello
CITY: Seattle	STATE: WA ZIP: 98115		
TEL: 305-903-4318	E-MAIL: rosemary.bier@ghd.com		

REQUESTED ANALYSES

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
 SAME DAY 24 HR 48 HR 72 HR 5 DAYS STANDARD

COELT EDF

SPECIAL INSTRUCTIONS:
CC results to fabio.minervini@ghd.com

GLOBAL ID: LOG CODE:

Please check box or fill in blank as needed.

Unpreserved	Preserved	Field Filtered																			

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered															
		DATE	TIME																				
1	4-051123-LP-INF	5/11/2023	1245	A	1																		
2	4-051123-LP-BRF	5/11/2023	1250	A	1																		

Relinquished by: (Signature) <i>Luca Piscitello GHD 1600</i>	Received by: (Signature/Affiliation) <i>[Signature]</i>	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation) <i>[Signature]</i>	Date: 5/12/23	Time: 0942



Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-138244-1

Login Number: 138244

List Source: Eurofins Calscience

List Number: 1

Creator: Cortez Diaz, Antonio

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

Summa Canister Dilution Worksheet

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228

Job No.: 570-138244-1

Lab Sample ID	Canister Volume (L)	Presampling Pressure ("Hg)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Final Pressure Gauge ID	Date	Time	Analyst Initials
570-138244-1	1	-29.5	-5.0	0.83	0.83	-2.45577	0.83	0.83		1.00	1.00	air mg 7	05/12/23	18:26	YY9P
570-138244-2	1	-29.5	-4.0	0.87	0.87	-1.96462	0.87	0.87		1.00	1.00	air mg 7	05/12/23	18:26	YY9P

Formulae:

- Preadjusted Volume (L) = ((Preadjusted Pressure ("Hg) + 29.92 "Hg) * Vol L) / 29.92 "Hg
- Adjusted Volume (L) = ((Adjusted Pressure (psig) + 14.7 psig) * Vol L) / 14.7 psig
- Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

- 29.92 "Hg = Standard atmospheric pressure in inches of Mercury ("Hg)
- 14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)





ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/23/2023 5:03:52 PM

JOB DESCRIPTION

P66 Renton Terminal AOC 5228 / 12605516

JOB NUMBER

570-138301-1

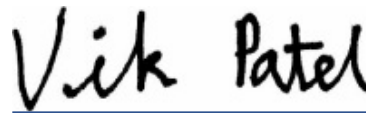
Eurofins Calscience

Job Notes

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

Authorization



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Authorized for release by
Vikas Patel, Project Manager I
Vikas.Patel@et.eurofinsus.com
(714)895-5494



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Definitions/Glossary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-138301-1

Glossary

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

Case Narrative

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-138301-1

Job ID: 570-138301-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative 570-138301-1

Comments

No additional comments.

Receipt

The samples were received on 5/12/2023 9:42 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.8° C.

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received ,no collection date listed on COC and sample label.

Sample was received broken : GW-LP-EFF 5 (570-138301-6).

GC/MS VOA

Method 8260C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-330123. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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

GC VOA

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

GC Semi VOA

Methods 1664A, 1664B: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 570-329252 and analytical batch 570-329384 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits. Method 1664.

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

Metals

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

Organic Prep

Method 3510C SGC: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-329908. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method Silica NWT

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

VOA Prep

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

Detection Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-138301-1

Client Sample ID: GW-LP-EFF

Lab Sample ID: 570-138301-1

No Detections.

Client Sample ID: COMPOSITE-GW-LP-EFF 1,2,3,4

Lab Sample ID: 570-138301-9

No Detections.

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This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-138301-1

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

Client Sample ID: COMPOSITE-GW-LP-EFF 1,2,3,4

Date Collected: 05/11/23 10:30

Date Received: 05/12/23 09:42

Lab Sample ID: 570-138301-9

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			05/18/23 21:27	1
Toluene	ND		1.0	ug/L			05/18/23 21:27	1
o-Xylene	ND		1.0	ug/L			05/18/23 21:27	1
m,p-Xylene	ND		2.0	ug/L			05/18/23 21:27	1
Ethylbenzene	ND		1.0	ug/L			05/18/23 21:27	1
Xylenes, Total	ND		2.0	ug/L			05/18/23 21:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		70 - 123		05/18/23 21:27	1
4-Bromofluorobenzene (Surr)	97		80 - 120		05/18/23 21:27	1
Dibromofluoromethane (Surr)	104		78 - 120		05/18/23 21:27	1
Toluene-d8 (Surr)	101		80 - 120		05/18/23 21:27	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-138301-1

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

Client Sample ID: COMPOSITE-GW-LP-EFF 1,2,3,4

Date Collected: 05/11/23 10:30

Date Received: 05/12/23 09:42

Lab Sample ID: 570-138301-9

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			05/16/23 17:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		50 - 150		05/16/23 17:59	1

Client Sample Results

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-138301-1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup - Silica Gel Cleanup

Client Sample ID: GW-LP-EFF
Date Collected: 05/11/23 10:30
Date Received: 05/12/23 09:42

Lab Sample ID: 570-138301-1
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.096	mg/L		05/17/23 20:01	05/18/23 22:24	1
TPH as Motor Oil Range	ND		0.096	mg/L		05/17/23 20:01	05/18/23 22:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	103		50 - 150			05/17/23 20:01	05/18/23 22:24	1

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Surrogate Summary

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-138301-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (70-123)	BFB (80-120)	DBFM (78-120)	TOL (80-120)
570-138301-9	COMPOSITE-GW-LP-EFF 1,2,3	105	97	104	101
LCS 570-330123/4	Lab Control Sample	99	101	101	100
LCSD 570-330123/5	Lab Control Sample Dup	104	102	103	100
MB 570-330123/7	Method Blank	101	96	101	101

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
 BFB = 4-Bromofluorobenzene (Surr)
 DBFM = Dibromofluoromethane (Surr)
 TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1
		(50-150)
570-138301-9	COMPOSITE-GW-LP-EFF 1,2,3	81
570-138301-9 MS	COMPOSITE-GW-LP-EFF 1,2,3,4	93
570-138301-9 MSD	COMPOSITE-GW-LP-EFF 1,2,3,4	93
LCS 570-329457/13	Lab Control Sample	93
LCSD 570-329457/14	Lab Control Sample Dup	94
MB 570-329457/15	Method Blank	88

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Matrix: Water

Prep Type: Silica Gel Cleanup

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN
		(50-150)
570-138301-1	GW-LP-EFF	103
LCS 570-329908/2-A	Lab Control Sample	105
LCSD 570-329908/3-A	Lab Control Sample Dup	109
MB 570-329908/1-A	Method Blank	108

Surrogate Legend

OTCSN = n-Octacosane (Surr)

QC Sample Results

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-138301-1

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

Lab Sample ID: MB 570-330123/7
Matrix: Water
Analysis Batch: 330123

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			05/18/23 16:14	1
Toluene	ND		1.0	ug/L			05/18/23 16:14	1
o-Xylene	ND		1.0	ug/L			05/18/23 16:14	1
m,p-Xylene	ND		2.0	ug/L			05/18/23 16:14	1
Ethylbenzene	ND		1.0	ug/L			05/18/23 16:14	1
Xylenes, Total	ND		2.0	ug/L			05/18/23 16:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 123		05/18/23 16:14	1
4-Bromofluorobenzene (Surr)	96		80 - 120		05/18/23 16:14	1
Dibromofluoromethane (Surr)	101		78 - 120		05/18/23 16:14	1
Toluene-d8 (Surr)	101		80 - 120		05/18/23 16:14	1

Lab Sample ID: LCS 570-330123/4
Matrix: Water
Analysis Batch: 330123

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.0	22.92		ug/L		115	80 - 121
Toluene	20.0	22.66		ug/L		113	80 - 120
o-Xylene	20.0	22.50		ug/L		113	80 - 122
m,p-Xylene	40.0	46.24		ug/L		116	80 - 123
Ethylbenzene	20.0	22.72		ug/L		114	80 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 123
4-Bromofluorobenzene (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	101		78 - 120
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: LCSD 570-330123/5
Matrix: Water
Analysis Batch: 330123

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	20.0	22.50		ug/L		112	80 - 121	2	20
Toluene	20.0	22.18		ug/L		111	80 - 120	2	20
o-Xylene	20.0	21.98		ug/L		110	80 - 122	2	20
m,p-Xylene	40.0	44.02		ug/L		110	80 - 123	5	20
Ethylbenzene	20.0	21.76		ug/L		109	80 - 121	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		70 - 123
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	103		78 - 120
Toluene-d8 (Surr)	100		80 - 120

QC Sample Results

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-138301-1

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

Lab Sample ID: MB 570-329457/15
Matrix: Water
Analysis Batch: 329457

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			05/16/23 17:12	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		50 - 150				05/16/23 17:12	1

Lab Sample ID: LCS 570-329457/13
Matrix: Water
Analysis Batch: 329457

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Gasoline (C4-C13)	1990	2148		ug/L		108	76 - 128
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	93		50 - 150				

Lab Sample ID: LCSD 570-329457/14
Matrix: Water
Analysis Batch: 329457

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline (C4-C13)	1990	2152		ug/L		108	76 - 128	0	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	94		50 - 150						

Lab Sample ID: 570-138301-9 MS
Matrix: Water
Analysis Batch: 329457

Client Sample ID: COMPOSITE-GW-LP-EFF 1,2,3,4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Gasoline (C4-C13)	ND		1990	2176		ug/L		109	69 - 132
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	93		50 - 150						

Lab Sample ID: 570-138301-9 MSD
Matrix: Water
Analysis Batch: 329457

Client Sample ID: COMPOSITE-GW-LP-EFF 1,2,3,4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline (C4-C13)	ND		1990	2153		ug/L		108	69 - 132	1	15
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	93		50 - 150								

QC Sample Results

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-138301-1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Lab Sample ID: MB 570-329908/1-A
Matrix: Water
Analysis Batch: 330112

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 329908

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
TPH as Diesel Range	ND		0.10	mg/L		05/17/23 20:01	05/18/23 19:59	1
TPH as Motor Oil Range	ND		0.10	mg/L		05/17/23 20:01	05/18/23 19:59	1
Surrogate	MB	MB	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	108		50 - 150			05/17/23 20:01	05/18/23 19:59	1

Lab Sample ID: LCS 570-329908/2-A
Matrix: Water
Analysis Batch: 330112

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 329908

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec	Limits
		Result	Qualifier					
C10-C28	4.00	3.886		mg/L		97		68 - 120
Surrogate	LCS	LCS	Limits					
<i>n-Octacosane (Surr)</i>	105		50 - 150					

Lab Sample ID: LCSD 570-329908/3-A
Matrix: Water
Analysis Batch: 330112

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 329908

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec	Limits	RPD	RPD
		Result	Qualifier						Limit	
C10-C28	4.00	4.300		mg/L		107		68 - 120	10	20
Surrogate	LCSD	LCSD	Limits							
<i>n-Octacosane (Surr)</i>	109		50 - 150							

QC Association Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-138301-1

GC/MS VOA

Analysis Batch: 330123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-138301-9	COMPOSITE-GW-LP-EFF 1,2,3,4	Total/NA	Water	8260C	
MB 570-330123/7	Method Blank	Total/NA	Water	8260C	
LCS 570-330123/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 570-330123/5	Lab Control Sample Dup	Total/NA	Water	8260C	

GC VOA

Analysis Batch: 329457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-138301-9	COMPOSITE-GW-LP-EFF 1,2,3,4	Total/NA	Water	NWTPH-Gx	
MB 570-329457/15	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 570-329457/13	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 570-329457/14	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	
570-138301-9 MS	COMPOSITE-GW-LP-EFF 1,2,3,4	Total/NA	Water	NWTPH-Gx	
570-138301-9 MSD	COMPOSITE-GW-LP-EFF 1,2,3,4	Total/NA	Water	NWTPH-Gx	

GC Semi VOA

Prep Batch: 329908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-138301-1	GW-LP-EFF	Silica Gel Cleanup	Water	3510C SGC	
MB 570-329908/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	
LCS 570-329908/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 570-329908/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	

Analysis Batch: 330112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-138301-1	GW-LP-EFF	Silica Gel Cleanup	Water	NWTPH-Dx	329908
MB 570-329908/1-A	Method Blank	Silica Gel Cleanup	Water	NWTPH-Dx	329908
LCS 570-329908/2-A	Lab Control Sample	Silica Gel Cleanup	Water	NWTPH-Dx	329908
LCSD 570-329908/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	NWTPH-Dx	329908

Lab Chronicle

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-138301-1

Client Sample ID: GW-LP-EFF

Lab Sample ID: 570-138301-1

Date Collected: 05/11/23 10:30

Matrix: Water

Date Received: 05/12/23 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3510C SGC			261.7 mL	2.5 mL	329908	05/17/23 20:01	TR8L	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	330112	05/18/23 22:24	SP9M	EET CAL 4
Instrument ID: GC48										

Client Sample ID: COMPOSITE-GW-LP-EFF 1,2,3,4

Lab Sample ID: 570-138301-9

Date Collected: 05/11/23 10:30

Matrix: Water

Date Received: 05/12/23 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	330123	05/18/23 21:27	A1W	EET CAL 4
Instrument ID: GCMSQQ										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	329457	05/16/23 17:59	A9VE	EET CAL 4
Instrument ID: GC75										

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-138301-1

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-24
Washington	State	C916-18	10-11-23

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Method Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-138301-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET CAL 4
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC)	NWTPH	EET CAL 4
NWTPH-Dx	Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup	NWTPH	EET CAL 4
3510C SGC	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CAL 4
5030C	Purge and Trap	SW846	EET CAL 4

Protocol References:

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12605516

Job ID: 570-138301-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-138301-1	GW-LP-EFF	Water	05/11/23 10:30	05/12/23 09:42
570-138301-9	COMPOSITE-GW-LP-EFF 1,2,3,4	Water	05/11/23 10:30	05/12/23 09:42

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Vikas Patel

From: Rosemary Bier <Rosemary.Bier@ghd.com>
Sent: Wednesday, May 17, 2023 10:47 AM
To: Vikas Patel; Fabio Minervini; Jeffrey Cloud
Cc: Luca Piscitello
Subject: Re: Eurofins Calscience sample confirmation files from 570-138301-1 P66 Renton Terminal AOC 5228 / 12605516

Hi Vik,

We got the ok to use the VOCs from last week, and the FOG from today. So we will be resending the FOG only. Please run everything else that was sent.

Thanks,
Rose

Get [Outlook for iOS](#)



Calscience

138301

CHAIN OF CUSTODY RECORD



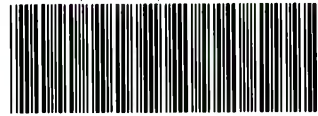
570-138301 Chain of Custody

DATE: 5/12/23 07/14/22
PAGE: 1 OF 1

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

LABORATORY CLIENT: GHD Services Inc.					CLIENT PROJECT NAME / NUMBER: P66 Renton Terminal AOC 5228 / 11226464					P.O. NO.: 12572873-2021-04									
ADDRESS: 9725 3rd Avenue NE Ste 204					PROJECT CONTACT: Fabio Minervini 949-648-5270 Rose Bier 305-903-4318					SAMPLER(S): (PRINT) Luca Piscitello									
CITY: Seattle		STATE: WA		ZIP: 98115		TEL: 206-802-1595					E-MAIL: rosemary.bier@ghd.com								
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"): <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> COELT EDF										Please check box or fill in blank as needed.									
SPECIAL INSTRUCTIONS: CC results to fabio.minervini@ghd.com					Unpreserved	Preserved	Field Filtered	DRO/ORO (NWT/PH-DX)	GRO (NWT/PH-Gx)	BTEX (8260)	Oil and Grease (1664)								
LAB USE ONLY	SAMPLE ID		SAMPLING		MATRIX	NO. OF CONT.													
	DATE	TIME																	
1																		Lab Composite	
2																		Lab Composite	
3																		Lab Composite	
4																		Lab Composite	
5																		Lab Composite	
6																		Lab Composite	
7																		Lab Composite	
8																		Lab Composite	
Relinquished by: (Signature) <i>Luca Piscitello GHD</i>					Received by: (Signature/Affiliation) <i>[Signature]</i>					Date: 5/12/23		Time: 0942							
Relinquished by: (Signature)					Received by: (Signature/Affiliation)					Date:		Time:							
Relinquished by: (Signature)					Received by: (Signature/Affiliation)					Date:		Time:							

Loc: 570
138301



570-138301 Waybill

ORIGIN ID:BVUA (503) 956-5391
CALSCIENCE ENVIRONMENTAL LAB
STE 100
2841 DOW AVE STE 100
TUSTIN, CA 92780
UNITED STATES US

SHIP DATE: 11MAY23
ACTWGT: 50.65 LB
CAD: 6990555/SSF02420
DIMS: 24x14x14 IN
BILL THIRD PARTY

Part # 16297 1337 R1002 Exp 02/24

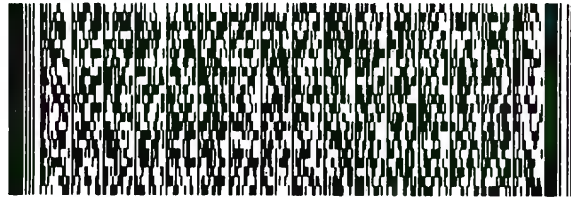
TO

**CALSCIENCE ENVIRONMENTAL LAB
STE 100
2841 DOW AVE STE 100
TUSTIN CA 92780**

(503) 956-5391
INV: PO:

REF:

DEPT:



FedEx
Express



2 of 2

MPS# 3981 9763 9606
0263

Mstr# 3981 9763 9591

0201

**FRI - 12 MAY 10:30A
PRIORITY OVERNIGHT**

92 DTHA

**92780
CA-US SNA**



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Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-138301-1

Login Number: 138301

List Number: 1

Creator: Vitente, Precy

List Source: Eurofins Calscience

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



 **ANALYTICAL REPORT****PREPARED FOR**

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

Generated 5/23/2023 4:59:38 PM

JOB DESCRIPTION

P66 Renton Terminal AOC 5228 /12605516

JOB NUMBER

570-138297-1

Eurofins Calscience

Job Notes

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

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

Authorization



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Authorized for release by
Vikas Patel, Project Manager I
Vikas.Patel@et.eurofinsus.com
(714)895-5494



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Definitions/Glossary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 /12605516

Job ID: 570-138297-1

Glossary

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

Case Narrative

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 /12605516

Job ID: 570-138297-1

Job ID: 570-138297-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative 570-138297-1

Comments

No additional comments.

Receipt

The samples were received on 5/12/2023 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.8° C.

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received ,no collection date listed on COC and sample label. The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): GW-051123-LP-INF 1 (570-138297-1), GW-051123--LP-MID 1 (570-138297-2) and GW-051123--LP-MID 2 (570-138297-3). The container labels list for sample #1 INF 1,#2 MID 1, #3 MID 2, while the COC lists.for sample # 1 GW-LP-INF 1,#2 GW-LP-MID 1, #3 GW-LP-MID 2.

One of 6-vials/hcl was received broken : GW-051123--LP-MID 1 (570-138297-2).

GC/MS VOA

Method 8260C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-330195. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: GW-051123--LP-MID 1 (570-138297-2). Elevated reporting limits (RLs) are provided.

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

GC VOA

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

GC Semi VOA

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

Organic Prep

Method 3510C SGC: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-329908. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch. Method Silica NWT

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

VOA Prep

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

Detection Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 /12605516

Job ID: 570-138297-1

Client Sample ID: GW-051123-LP-INF 1

Lab Sample ID: 570-138297-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1100		25	ug/L	50		8260C	Total/NA
Toluene	1300		50	ug/L	50		8260C	Total/NA
o-Xylene	1300		50	ug/L	50		8260C	Total/NA
m,p-Xylene	3300		100	ug/L	50		8260C	Total/NA
Ethylbenzene	360		50	ug/L	50		8260C	Total/NA
Xylenes, Total	4600		100	ug/L	50		8260C	Total/NA
TPH as Gasoline (C4-C13)	22000		500	ug/L	5		NWTPH-Gx	Total/NA
TPH as Diesel Range	13		0.095	mg/L	1		NWTPH-Dx	Silica Gel Cleanup

Client Sample ID: GW-051123--LP-MID 1

Lab Sample ID: 570-138297-2

No Detections.

Client Sample ID: GW-051123--LP-MID 2

Lab Sample ID: 570-138297-3

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3.1		0.50	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 /12605516

Job ID: 570-138297-1

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

Client Sample ID: GW-051123-LP-INF 1

Date Collected: 05/11/23 12:00

Date Received: 05/12/23 09:30

Lab Sample ID: 570-138297-1

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1100		25	ug/L			05/19/23 02:50	50
Toluene	1300		50	ug/L			05/19/23 02:50	50
o-Xylene	1300		50	ug/L			05/19/23 02:50	50
m,p-Xylene	3300		100	ug/L			05/19/23 02:50	50
Ethylbenzene	360		50	ug/L			05/19/23 02:50	50
Xylenes, Total	4600		100	ug/L			05/19/23 02:50	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 123		05/19/23 02:50	50
4-Bromofluorobenzene (Surr)	96		80 - 120		05/19/23 02:50	50
Dibromofluoromethane (Surr)	99		78 - 120		05/19/23 02:50	50
Toluene-d8 (Surr)	99		80 - 120		05/19/23 02:50	50

Client Sample ID: GW-051123--LP-MID 1

Date Collected: 05/11/23 11:45

Date Received: 05/12/23 09:30

Lab Sample ID: 570-138297-2

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0	ug/L			05/19/23 03:11	4
Toluene	ND		4.0	ug/L			05/19/23 03:11	4
o-Xylene	ND		4.0	ug/L			05/19/23 03:11	4
m,p-Xylene	ND		8.0	ug/L			05/19/23 03:11	4
Ethylbenzene	ND		4.0	ug/L			05/19/23 03:11	4
Xylenes, Total	ND		8.0	ug/L			05/19/23 03:11	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		70 - 123		05/19/23 03:11	4
4-Bromofluorobenzene (Surr)	93		80 - 120		05/19/23 03:11	4
Dibromofluoromethane (Surr)	101		78 - 120		05/19/23 03:11	4
Toluene-d8 (Surr)	97		80 - 120		05/19/23 03:11	4

Client Sample ID: GW-051123--LP-MID 2

Date Collected: 05/11/23 11:30

Date Received: 05/12/23 09:30

Lab Sample ID: 570-138297-3

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.1		0.50	ug/L			05/18/23 23:40	1
Toluene	ND		1.0	ug/L			05/18/23 23:40	1
o-Xylene	ND		1.0	ug/L			05/18/23 23:40	1
m,p-Xylene	ND		2.0	ug/L			05/18/23 23:40	1
Ethylbenzene	ND		1.0	ug/L			05/18/23 23:40	1
Xylenes, Total	ND		2.0	ug/L			05/18/23 23:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 123		05/18/23 23:40	1
4-Bromofluorobenzene (Surr)	95		80 - 120		05/18/23 23:40	1
Dibromofluoromethane (Surr)	100		78 - 120		05/18/23 23:40	1
Toluene-d8 (Surr)	97		80 - 120		05/18/23 23:40	1

Client Sample Results

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 /12605516

Job ID: 570-138297-1

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

Client Sample ID: GW-051123-LP-INF 1

Date Collected: 05/11/23 12:00

Date Received: 05/12/23 09:30

Lab Sample ID: 570-138297-1

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	22000		500	ug/L	-		05/16/23 20:44	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		50 - 150				05/16/23 20:44	5

Client Sample ID: GW-051123--LP-MID 1

Date Collected: 05/11/23 11:45

Date Received: 05/12/23 09:30

Lab Sample ID: 570-138297-2

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L	-		05/16/23 20:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		50 - 150				05/16/23 20:18	1

Client Sample ID: GW-051123--LP-MID 2

Date Collected: 05/11/23 11:30

Date Received: 05/12/23 09:30

Lab Sample ID: 570-138297-3

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L	-		05/16/23 19:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		50 - 150				05/16/23 19:52	1

Client Sample Results

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 /12605516

Job ID: 570-138297-1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup - Silica Gel Cleanup

Client Sample ID: GW-051123-LP-INF 1

Date Collected: 05/11/23 12:00

Date Received: 05/12/23 09:30

Lab Sample ID: 570-138297-1

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	13		0.095	mg/L		05/17/23 20:01	05/18/23 21:22	1
TPH as Motor Oil Range	ND		0.095	mg/L		05/17/23 20:01	05/18/23 21:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	102		50 - 150			05/17/23 20:01	05/18/23 21:22	1

Client Sample ID: GW-051123--LP-MID 1

Date Collected: 05/11/23 11:45

Date Received: 05/12/23 09:30

Lab Sample ID: 570-138297-2

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.097	mg/L		05/17/23 20:01	05/18/23 21:42	1
TPH as Motor Oil Range	ND		0.097	mg/L		05/17/23 20:01	05/18/23 21:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	115		50 - 150			05/17/23 20:01	05/18/23 21:42	1

Client Sample ID: GW-051123--LP-MID 2

Date Collected: 05/11/23 11:30

Date Received: 05/12/23 09:30

Lab Sample ID: 570-138297-3

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.094	mg/L		05/17/23 20:01	05/18/23 22:03	1
TPH as Motor Oil Range	ND		0.094	mg/L		05/17/23 20:01	05/18/23 22:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	120		50 - 150			05/17/23 20:01	05/18/23 22:03	1

Surrogate Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 /12605516

Job ID: 570-138297-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (70-123)	BFB (80-120)	DBFM (78-120)	TOL (80-120)
570-138297-1	GW-051123-LP-INF 1	103	96	99	99
570-138297-2	GW-051123--LP-MID 1	105	93	101	97
570-138297-3	GW-051123--LP-MID 2	102	95	100	97
LCS 570-330195/4	Lab Control Sample	101	98	98	99
LCSD 570-330195/5	Lab Control Sample Dup	100	99	97	100
MB 570-330195/8	Method Blank	102	93	100	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		BFB1 (50-150)
570-138297-1	GW-051123-LP-INF 1	97
570-138297-2	GW-051123--LP-MID 1	82
570-138297-3	GW-051123--LP-MID 2	87
LCS 570-329457/13	Lab Control Sample	93
LCSD 570-329457/14	Lab Control Sample Dup	94
MB 570-329457/15	Method Blank	88

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Matrix: Water

Prep Type: Silica Gel Cleanup

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		OTCSN (50-150)
570-138297-1	GW-051123-LP-INF 1	102
570-138297-2	GW-051123--LP-MID 1	115
570-138297-3	GW-051123--LP-MID 2	120
LCS 570-329908/2-A	Lab Control Sample	105
LCSD 570-329908/3-A	Lab Control Sample Dup	109
MB 570-329908/1-A	Method Blank	108

Surrogate Legend

OTCSN = n-Octacosane (Surr)

QC Sample Results

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 /12605516

Job ID: 570-138297-1

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

Lab Sample ID: MB 570-330195/8
Matrix: Water
Analysis Batch: 330195

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			05/18/23 20:10	1
Toluene	ND		1.0	ug/L			05/18/23 20:10	1
o-Xylene	ND		1.0	ug/L			05/18/23 20:10	1
m,p-Xylene	ND		2.0	ug/L			05/18/23 20:10	1
Ethylbenzene	ND		1.0	ug/L			05/18/23 20:10	1
Xylenes, Total	ND		2.0	ug/L			05/18/23 20:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 123		05/18/23 20:10	1
4-Bromofluorobenzene (Surr)	93		80 - 120		05/18/23 20:10	1
Dibromofluoromethane (Surr)	100		78 - 120		05/18/23 20:10	1
Toluene-d8 (Surr)	98		80 - 120		05/18/23 20:10	1

Lab Sample ID: LCS 570-330195/4
Matrix: Water
Analysis Batch: 330195

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.0	18.95		ug/L		95	80 - 121
Toluene	20.0	19.32		ug/L		97	80 - 120
o-Xylene	20.0	19.88		ug/L		99	80 - 122
m,p-Xylene	40.0	39.36		ug/L		98	80 - 123
Ethylbenzene	20.0	19.70		ug/L		98	80 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		70 - 123
4-Bromofluorobenzene (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	98		78 - 120
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: LCSD 570-330195/5
Matrix: Water
Analysis Batch: 330195

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	20.0	20.08		ug/L		100	80 - 121	6	20
Toluene	20.0	20.33		ug/L		102	80 - 120	5	20
o-Xylene	20.0	21.10		ug/L		105	80 - 122	6	20
m,p-Xylene	40.0	41.52		ug/L		104	80 - 123	5	20
Ethylbenzene	20.0	20.52		ug/L		103	80 - 121	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		70 - 123
4-Bromofluorobenzene (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	97		78 - 120
Toluene-d8 (Surr)	100		80 - 120

QC Sample Results

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 /12605516

Job ID: 570-138297-1

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

Lab Sample ID: MB 570-329457/15
Matrix: Water
Analysis Batch: 329457

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			05/16/23 17:12	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		50 - 150				05/16/23 17:12	1

Lab Sample ID: LCS 570-329457/13
Matrix: Water
Analysis Batch: 329457

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Gasoline (C4-C13)	1990	2148		ug/L		108	76 - 128
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	93		50 - 150				

Lab Sample ID: LCSD 570-329457/14
Matrix: Water
Analysis Batch: 329457

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline (C4-C13)	1990	2152		ug/L		108	76 - 128	0	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	94		50 - 150						

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Lab Sample ID: MB 570-329908/1-A
Matrix: Water
Analysis Batch: 330112

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 329908

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.10	mg/L		05/17/23 20:01	05/18/23 19:59	1
TPH as Motor Oil Range	ND		0.10	mg/L		05/17/23 20:01	05/18/23 19:59	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	108		50 - 150			05/17/23 20:01	05/18/23 19:59	1

Lab Sample ID: LCS 570-329908/2-A
Matrix: Water
Analysis Batch: 330112

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 329908

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	4.00	3.886		mg/L		97	68 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
n-Octacosane (Surr)	105		50 - 150				

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QC Sample Results

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 /12605516

Job ID: 570-138297-1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup (Continued)

Lab Sample ID: LCSD 570-329908/3-A
Matrix: Water
Analysis Batch: 330112

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 329908

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	4.00	4.300		mg/L		107	68 - 120	10	20
Surrogate			LCSD						
<i>n</i> -Octacosane (Surr)			Qualifier						
			Limits						
			109						50 - 150

- 1
- 2
- 3
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- 14
- 15

QC Association Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 /12605516

Job ID: 570-138297-1

GC/MS VOA

Analysis Batch: 330195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-138297-1	GW-051123-LP-INF 1	Total/NA	Water	8260C	
570-138297-2	GW-051123--LP-MID 1	Total/NA	Water	8260C	
570-138297-3	GW-051123--LP-MID 2	Total/NA	Water	8260C	
MB 570-330195/8	Method Blank	Total/NA	Water	8260C	
LCS 570-330195/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 570-330195/5	Lab Control Sample Dup	Total/NA	Water	8260C	

GC VOA

Analysis Batch: 329457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-138297-1	GW-051123-LP-INF 1	Total/NA	Water	NWTPH-Gx	
570-138297-2	GW-051123--LP-MID 1	Total/NA	Water	NWTPH-Gx	
570-138297-3	GW-051123--LP-MID 2	Total/NA	Water	NWTPH-Gx	
MB 570-329457/15	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 570-329457/13	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 570-329457/14	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

GC Semi VOA

Prep Batch: 329908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-138297-1	GW-051123-LP-INF 1	Silica Gel Cleanup	Water	3510C SGC	
570-138297-2	GW-051123--LP-MID 1	Silica Gel Cleanup	Water	3510C SGC	
570-138297-3	GW-051123--LP-MID 2	Silica Gel Cleanup	Water	3510C SGC	
MB 570-329908/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	
LCS 570-329908/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 570-329908/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	

Analysis Batch: 330112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-138297-1	GW-051123-LP-INF 1	Silica Gel Cleanup	Water	NWTPH-Dx	329908
570-138297-2	GW-051123--LP-MID 1	Silica Gel Cleanup	Water	NWTPH-Dx	329908
570-138297-3	GW-051123--LP-MID 2	Silica Gel Cleanup	Water	NWTPH-Dx	329908
MB 570-329908/1-A	Method Blank	Silica Gel Cleanup	Water	NWTPH-Dx	329908
LCS 570-329908/2-A	Lab Control Sample	Silica Gel Cleanup	Water	NWTPH-Dx	329908
LCSD 570-329908/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	NWTPH-Dx	329908

Lab Chronicle

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 /12605516

Job ID: 570-138297-1

Client Sample ID: GW-051123-LP-INF 1

Lab Sample ID: 570-138297-1

Date Collected: 05/11/23 12:00

Matrix: Water

Date Received: 05/12/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	5 mL	5 mL	330195	05/19/23 02:50	B7TT	EET CAL 4
Instrument ID: GCMSZ										
Total/NA	Analysis	NWTPH-Gx		5	5 mL	5 mL	329457	05/16/23 20:44	A9VE	EET CAL 4
Instrument ID: GC75										
Silica Gel Cleanup	Prep	3510C SGC			262.7 mL	2.5 mL	329908	05/17/23 20:01	TR8L	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	330112	05/18/23 21:22	SP9M	EET CAL 4
Instrument ID: GC48										

Client Sample ID: GW-051123--LP-MID 1

Lab Sample ID: 570-138297-2

Date Collected: 05/11/23 11:45

Matrix: Water

Date Received: 05/12/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	5 mL	5 mL	330195	05/19/23 03:11	B7TT	EET CAL 4
Instrument ID: GCMSZ										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	329457	05/16/23 20:18	A9VE	EET CAL 4
Instrument ID: GC75										
Silica Gel Cleanup	Prep	3510C SGC			258.2 mL	2.5 mL	329908	05/17/23 20:01	TR8L	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	330112	05/18/23 21:42	SP9M	EET CAL 4
Instrument ID: GC48										

Client Sample ID: GW-051123--LP-MID 2

Lab Sample ID: 570-138297-3

Date Collected: 05/11/23 11:30

Matrix: Water

Date Received: 05/12/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	330195	05/18/23 23:40	B7TT	EET CAL 4
Instrument ID: GCMSZ										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	329457	05/16/23 19:52	A9VE	EET CAL 4
Instrument ID: GC75										
Silica Gel Cleanup	Prep	3510C SGC			265.6 mL	2.5 mL	329908	05/17/23 20:01	TR8L	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	330112	05/18/23 22:03	SP9M	EET CAL 4
Instrument ID: GC48										

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 /12605516

Job ID: 570-138297-1

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-24
Washington	State	C916-18	10-11-23

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Method Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 /12605516

Job ID: 570-138297-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET CAL 4
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC)	NWTPH	EET CAL 4
NWTPH-Dx	Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup	NWTPH	EET CAL 4
3510C SGC	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CAL 4
5030C	Purge and Trap	SW846	EET CAL 4

Protocol References:

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494



Sample Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 /12605516

Job ID: 570-138297-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-138297-1	GW-051123-LP-INF 1	Water	05/11/23 12:00	05/12/23 09:30
570-138297-2	GW-051123--LP-MID 1	Water	05/11/23 11:45	05/12/23 09:30
570-138297-3	GW-051123--LP-MID 2	Water	05/11/23 11:30	05/12/23 09:30

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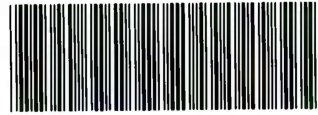
13

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Calscience



570-138297 Chain of Custody

138297

CHAIN OF CUSTODY RECORD

DATE: 5/11/2023

PAGE: 1 OF 1

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

LABORATORY CLIENT: GHD Services Inc.
ADDRESS: 9725 3rd Avenue NE Ste 204
CITY: Seattle STATE: WA ZIP: 98115
CLIENT PROJECT NAME / NUMBER: P66 Renton Terminal AOC 5228 / 12572873
PROJECT CONTACT: Fabio Minervini 949-648-5270 Rose Bier 206-802-1595
P.O. NO.: 12572873-2021-04
SAMPLER(S): (PRINT) Luca Piscitello

TEL: 206-802-1595 E-MAIL: rosemary.bier@ghd.com
REQUESTED ANALYSES

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
[] SAME DAY [] 24 HR [] 48 HR [] 72 HR [] 5 DAYS [X] STANDARD
[] COELT EDF
SPECIAL INSTRUCTIONS: CC results to fabio.minervini@ghd.com

Table with columns: LAB USE ONLY, SAMPLE ID, SAMPLING DATE, SAMPLING TIME, MATRIX, NO. OF CONT., Unpreserved, Preserved, Field Filtered, DRO/ORO (NWTPH-Dx), GRO (NWTPH-Gx), BTEX (9260), Oil and Grease (1664)

Relinquished by: (Signature) Luca Piscitello 6/11/2023
Received by: (Signature/Affiliation) Date: 5/12/23 Time: 0942

1-6/11-8 566

Loc: 570
138297



570-138297 Waybill

ORIGIN ID: BVUA (503) 956-5391
CALSCIENCE ENVIRONMENTAL LAB
STE 100
2841 DOW AVE STE 100
TUSTIN, CA 92780
UNITED STATES US

SHIP DATE: 11MAY23
ACTWGT: 50.65 LB
CAD: 6990555/SSF02420
DIMS: 24x14x14 IN
BILL THIRD PARTY

Part # 156297-435 / ARB82 EXP 03/24

TO

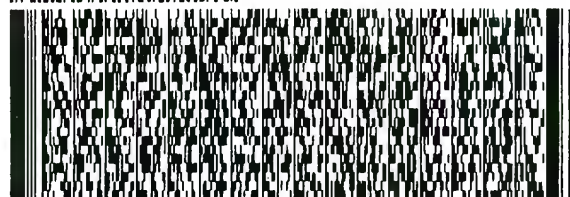
CALSCIENCE ENVIRONMENTAL LAB
STE 100
2841 DOW AVE STE 100
TUSTIN CA 92780

(503) 956-5391

REF:

INV:

DEPT:



FedEx
Express



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2 of 2

MPS# 3981 9763 9606
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Mstr# 3981 9763 9591

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FRI - 12 MAY 10:30A
PRIORITY OVERNIGHT

92 DTHA

92780
CA-US SNA



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Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-138297-1

Login Number: 138297

List Number: 1

Creator: Vitente, Precy

List Source: Eurofins Calscience

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





ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/1/2023 11:54:02 AM

JOB DESCRIPTION

P66 Renton Terminal AOC 5228 / 11226464

JOB NUMBER

570-138875-1

Eurofins Calscience

Job Notes

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

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

Authorization



Generated
6/1/2023 11:54:02 AM

Authorized for release by
Vikas Patel, Project Manager I
Vikas.Patel@et.eurofinsus.com
(714)895-5494

Table of Contents

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Definitions/Glossary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 11226464

Job ID: 570-138875-1

Glossary

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

Case Narrative

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 11226464

Job ID: 570-138875-1

Job ID: 570-138875-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative 570-138875-1

Comments

No additional comments.

Receipt

The samples were received on 5/18/2023 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.0° C.

GC Semi VOA

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

Metals

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

Organic Prep

Method 1664A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-330309. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch. Method 1664.

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



Detection Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 11226464

Job ID: 570-138875-1

Client Sample ID: COMPOSITE (GW-051723-LP-EFF 5,6,7)

Lab Sample ID: 570-138875-4

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Oil & Grease	1.05		0.959	mg/L	1		1664A	Total/NA

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This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Client Sample Results

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 11226464

Job ID: 570-138875-1

General Chemistry

Client Sample ID: COMPOSITE (GW-051723-LP-EFF 5,6,7)

Date Collected: 05/17/23 00:00

Date Received: 05/18/23 09:30

Lab Sample ID: 570-138875-4

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease (40CFR136A 1664A)	1.05		0.959	mg/L		05/19/23 07:48	05/19/23 11:52	1

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QC Sample Results

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 / 11226464

Job ID: 570-138875-1

Method: 1664A - Oil and Grease

Lab Sample ID: MB 570-330309/1-A
Matrix: Water
Analysis Batch: 330418

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 330309

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	ND		1.00	mg/L		05/19/23 07:48	05/19/23 11:52	1

Lab Sample ID: LCS 570-330309/2-A
Matrix: Water
Analysis Batch: 330418

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 330309

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Oil & Grease	40.0	31.10		mg/L		78	78 - 114

Lab Sample ID: LCSD 570-330309/3-A
Matrix: Water
Analysis Batch: 330418

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 330309

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Oil & Grease	40.0	31.90		mg/L		80	78 - 114	3	18

QC Association Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 11226464

Job ID: 570-138875-1

General Chemistry

Prep Batch: 330309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-138875-4	COMPOSITE (GW-051723-LP-EFF 5,6,7)	Total/NA	Water	1664A	
MB 570-330309/1-A	Method Blank	Total/NA	Water	1664A	
LCS 570-330309/2-A	Lab Control Sample	Total/NA	Water	1664A	
LCSD 570-330309/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	

Analysis Batch: 330418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-138875-4	COMPOSITE (GW-051723-LP-EFF 5,6,7)	Total/NA	Water	1664A	330309
MB 570-330309/1-A	Method Blank	Total/NA	Water	1664A	330309
LCS 570-330309/2-A	Lab Control Sample	Total/NA	Water	1664A	330309
LCSD 570-330309/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	330309

Lab Chronicle

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 11226464

Job ID: 570-138875-1

Client Sample ID: COMPOSITE (GW-051723-LP-EFF 5,6,7)

Lab Sample ID: 570-138875-4

Date Collected: 05/17/23 00:00

Matrix: Water

Date Received: 05/18/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			1043 mL	1000 mL	330309	05/19/23 07:48	RY4P	EET CAL 4
Total/NA	Analysis	1664A		1			330418	05/19/23 11:52	VB5S	EET CAL 4

Instrument ID: NO EQUIQ

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494



Accreditation/Certification Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 11226464

Job ID: 570-138875-1

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-24
Washington	State	C916-18	10-11-23

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Method Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 11226464

Job ID: 570-138875-1

Method	Method Description	Protocol	Laboratory
1664A	Oil and Grease	40CFR136A	EET CAL 4
1664A	HEM and SGT-HEM (Aqueous)	1664A	EET CAL 4

Protocol References:

1664A = EPA-821-98-002

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494



Sample Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 11226464

Job ID: 570-138875-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-138875-4	COMPOSITE (GW-051723-LP-EFF 5,6,7)	Water	05/17/23 00:00	05/18/23 09:30

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7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
 For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

138875

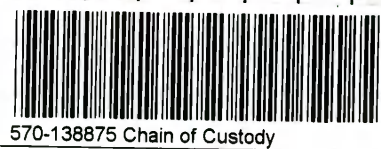
CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY

DATE: 05/17/2023
 PAGE: 1 OF 1

LABORATORY CLIENT: GHD Services Inc.		CLIENT PROJECT NAME / NUMBER: P66 Renton Terminal AOC 5228 / 11226464		P.O. NO.: 12572873-2021-04	
ADDRESS: 9725 3rd Avenue NE Ste 204		PROJECT CONTACT: Fabio Minervini 949-648-5270 Rose Bier 305-903-4318		SAMPLER(S): (PRINT) Luca Piscitello	
CITY: Seattle	STATE: WA	ZIP: 98115			
TEL: 206-802-1595	E-MAIL: rosemary.bier@ghd.com				

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):						REQUESTED ANALYSES															
<input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> STANDARD						Please check box or fill in blank as needed.															
<input type="checkbox"/> COELT EDF GLOBAL ID: _____ LOG CODE: _____						Unpreserved	Preserved	Field Filtered	DRO/ORO (NWTPH-Dx)	GRO (NWTPH-Gx)	BTEX (8260)	Oil and Grease (1664)									
LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.																
		DATE	TIME																		
	GW-LP-EFF			GW		X		X													Lab Composite
	GW-LP-EFF 1			GW		X		X	X												Lab Composite
	GW-LP-EFF 2			GW		X		X	X												Lab Composite
	GW-LP-EFF 3			GW		X		X	X												Lab Composite
	GW-LP-EFF 4			GW		X		X	X												Lab Composite
1	GW-051723LP-EFF 5	05/17/23	1300	GW	1	X						X									Lab Composite
2	GW-051723LP-EFF 6	05/17/23	1315	GW	1	X						X									Lab Composite
3	GW-051723LP-EFF 7	05/17/23	1330	GW	1	X						X									Lab Composite



Relinquished by: (Signature) <i>Luca Piscitello</i>	Received by: (Signature/Affiliation) <i>[Signature]</i>	Date: 05/18/23	Time: 0930
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature/Affiliation) <i>[Signature]</i>	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

ORIGIN ID:BVUA (503) 956-5391
CALSCIENCE ENVIRONMENTAL LAB
2841 DOW AVE, STE 100
TUSTIN, CA 92780
UNITED STATES US

SHIP DATE: 17MAY23
ACTWGT: 26.85 LB
CAD: 6997071/SSF02420
DIMS: 19x13x12 IN
BILL THIRD PARTY

Part # 1552974339 PAKB03E EXP 04/24

TO

**CALSCIENCE ENVIRONMENTAL LAB
2841 DOW AVE, STE 100**

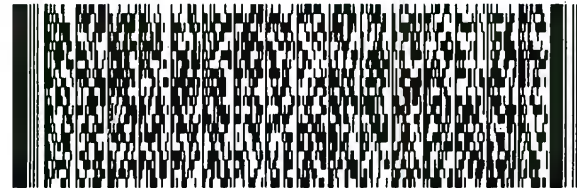
TUSTIN CA 92780

(503) 956-5391

REF:

INV:

DEPT:



FedEx
Express



AN1090406202827



570-138875 Waybill

Handwritten signature or initials.

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Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-138875-1

Login Number: 138875

List Source: Eurofins Calscience

List Number: 1

Creator: Patel, Jayesh

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



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ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/29/2023 3:59:31 PM

JOB DESCRIPTION

P66 Renton Terminal AOC 5228 / 12572873

JOB NUMBER

570-142440-1

Eurofins Calscience

Job Notes

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

Authorization



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6/29/2023 3:59:31 PM

Authorized for release by
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Definitions/Glossary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-142440-1

Glossary

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

Case Narrative

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-142440-1

Job ID: 570-142440-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-142440-1

Comments

No additional comments.

Receipt

The samples were received on 6/21/2023 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 22.0° C.

Air Toxics

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

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Detection Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-142440-1

Client Sample ID: A-062023-NA-INF

Lab Sample ID: 570-142440-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	25		2.5	ppb v/v	5		TO-15	Total/NA
Ethylbenzene	24		2.5	ppb v/v	5		TO-15	Total/NA
o-Xylene	43		2.5	ppb v/v	5		TO-15	Total/NA
m,p-Xylene	130		10	ppb v/v	5		TO-15	Total/NA
Toluene	95		2.5	ppb v/v	5		TO-15	Total/NA
Xylenes, Total	170		13	ppb v/v	5		TO-15	Total/NA
Gasoline Range Organics (C6-C12)	8.3		1.0	ppm v/v	1		TO3	Total/NA

Client Sample ID: A-062023-NA-EFF

Lab Sample ID: 570-142440-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
o-Xylene	1.1		0.50	ppb v/v	1		TO-15	Total/NA
Toluene	0.89		0.50	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Client Sample Results

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-142440-1

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Client Sample ID: A-062023-NA-INF

Date Collected: 06/20/23 11:40

Date Received: 06/21/23 09:30

Sample Container: Summa Canister 1L

Lab Sample ID: 570-142440-1

Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	25		2.5	ppb v/v			06/23/23 08:44	5
Ethylbenzene	24		2.5	ppb v/v			06/23/23 08:44	5
o-Xylene	43		2.5	ppb v/v			06/23/23 08:44	5
m,p-Xylene	130		10	ppb v/v			06/23/23 08:44	5
Toluene	95		2.5	ppb v/v			06/23/23 08:44	5
Xylenes, Total	170		13	ppb v/v			06/23/23 08:44	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		66 - 132		06/23/23 08:44	5
4-Bromofluorobenzene (Surr)	111		70 - 130		06/23/23 08:44	5
Toluene-d8 (Surr)	99		70 - 130		06/23/23 08:44	5

Client Sample ID: A-062023-NA-EFF

Date Collected: 06/20/23 11:45

Date Received: 06/21/23 09:30

Sample Container: Summa Canister 1L

Lab Sample ID: 570-142440-2

Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ppb v/v			06/23/23 08:05	1
Ethylbenzene	ND		0.50	ppb v/v			06/23/23 08:05	1
o-Xylene	1.1		0.50	ppb v/v			06/23/23 08:05	1
m,p-Xylene	ND		2.0	ppb v/v			06/23/23 08:05	1
Toluene	0.89		0.50	ppb v/v			06/23/23 08:05	1
Xylenes, Total	ND		2.5	ppb v/v			06/23/23 08:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		66 - 132		06/23/23 08:05	1
4-Bromofluorobenzene (Surr)	106		70 - 130		06/23/23 08:05	1
Toluene-d8 (Surr)	98		70 - 130		06/23/23 08:05	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-142440-1

Method: EPA TO3 - Volatile Organic Compounds in Ambient Air, Cryogenic Pre-Conc Techniques (GC)

Client Sample ID: A-062023-NA-INF

Date Collected: 06/20/23 11:40

Date Received: 06/21/23 09:30

Sample Container: Summa Canister 1L

Lab Sample ID: 570-142440-1

Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	8.3		1.0	ppm v/v			06/21/23 15:42	1

Client Sample ID: A-062023-NA-EFF

Date Collected: 06/20/23 11:45

Date Received: 06/21/23 09:30

Sample Container: Summa Canister 1L

Lab Sample ID: 570-142440-2

Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	ND		1.0	ppm v/v			06/21/23 15:20	1

Surrogate Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-142440-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Matrix: Air

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA	BFB	TOL
		(66-132)	(70-130)	(70-130)
570-142440-1	A-062023-NA-INF	113	111	99
570-142440-2	A-062023-NA-EFF	116	106	98
LCS 570-339678/1011	Lab Control Sample	101	102	99
LCSD 570-339678/29	Lab Control Sample Dup	116	108	99
MB 570-339678/17	Method Blank	110	100	100

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-142440-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 570-339678/17
Matrix: Air
Analysis Batch: 339678

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ppb v/v			06/23/23 03:12	1
Ethylbenzene	ND		0.50	ppb v/v			06/23/23 03:12	1
o-Xylene	ND		0.50	ppb v/v			06/23/23 03:12	1
m,p-Xylene	ND		2.0	ppb v/v			06/23/23 03:12	1
Toluene	ND		0.50	ppb v/v			06/23/23 03:12	1
Xylenes, Total	ND		2.5	ppb v/v			06/23/23 03:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		66 - 132		06/23/23 03:12	1
4-Bromofluorobenzene (Surr)	100		70 - 130		06/23/23 03:12	1
Toluene-d8 (Surr)	100		70 - 130		06/23/23 03:12	1

Lab Sample ID: LCS 570-339678/1011
Matrix: Air
Analysis Batch: 339678

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	25.0	24.50		ppb v/v		98	68 - 134
Ethylbenzene	25.0	24.94		ppb v/v		100	70 - 130
o-Xylene	25.0	24.99		ppb v/v		100	68 - 130
m,p-Xylene	50.0	49.71		ppb v/v		99	70 - 130
Toluene	25.0	24.39		ppb v/v		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		66 - 132
4-Bromofluorobenzene (Surr)	102		70 - 130
Toluene-d8 (Surr)	99		70 - 130

Lab Sample ID: LCSD 570-339678/29
Matrix: Air
Analysis Batch: 339678

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	25.0	24.95		ppb v/v		100	68 - 134	2	25
Ethylbenzene	25.0	26.32		ppb v/v		105	70 - 130	5	25
o-Xylene	25.0	27.27		ppb v/v		109	68 - 130	9	25
m,p-Xylene	50.0	53.51		ppb v/v		107	70 - 130	7	25
Toluene	25.0	25.44		ppb v/v		102	70 - 130	4	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	116		66 - 132
4-Bromofluorobenzene (Surr)	108		70 - 130
Toluene-d8 (Surr)	99		70 - 130

QC Sample Results

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-142440-1

Method: TO3 - Volatile Organic Compounds in Ambient Air, Cryogenic Pre-Conc Techniques (GC)

Lab Sample ID: MB 570-339298/4
Matrix: Air
Analysis Batch: 339298

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	ND		1.0	ppm v/v			06/21/23 14:58	1

Lab Sample ID: LCS 570-339298/3
Matrix: Air
Analysis Batch: 339298

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (C6-C12)	100	90.46		ppm v/v		90	80 - 120

Lab Sample ID: 570-142440-1 DU
Matrix: Air
Analysis Batch: 339298

Client Sample ID: A-062023-NA-INF
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Gasoline Range Organics (C6-C12)	8.3		8.006		ppm v/v		4	20

QC Association Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-142440-1

Air - GC/MS VOA

Analysis Batch: 339678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-142440-1	A-062023-NA-INF	Total/NA	Air	TO-15	
570-142440-2	A-062023-NA-EFF	Total/NA	Air	TO-15	
MB 570-339678/17	Method Blank	Total/NA	Air	TO-15	
LCS 570-339678/1011	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 570-339678/29	Lab Control Sample Dup	Total/NA	Air	TO-15	

Air - GC VOA

Analysis Batch: 339298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-142440-1	A-062023-NA-INF	Total/NA	Air	TO3	
570-142440-2	A-062023-NA-EFF	Total/NA	Air	TO3	
MB 570-339298/4	Method Blank	Total/NA	Air	TO3	
LCS 570-339298/3	Lab Control Sample	Total/NA	Air	TO3	
570-142440-1 DU	A-062023-NA-INF	Total/NA	Air	TO3	

Lab Chronicle

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-142440-1

Client Sample ID: A-062023-NA-INF

Lab Sample ID: 570-142440-1

Date Collected: 06/20/23 11:40

Matrix: Air

Date Received: 06/21/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		5	250 mL	250 mL	339678	06/23/23 08:44	USQD	EET CAL 4
Instrument ID: GCMSLLL										
Total/NA	Analysis	TO3		1	10 mL	10 mL	339298	06/21/23 15:42	HK	EET CAL 4
Instrument ID: GC71										

Client Sample ID: A-062023-NA-EFF

Lab Sample ID: 570-142440-2

Date Collected: 06/20/23 11:45

Matrix: Air

Date Received: 06/21/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	250 mL	250 mL	339678	06/23/23 08:05	USQD	EET CAL 4
Instrument ID: GCMSLLL										
Total/NA	Analysis	TO3		1	10 mL	10 mL	339298	06/21/23 15:20	HK	EET CAL 4
Instrument ID: GC71										

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494



Accreditation/Certification Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-142440-1

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-24
Washington	State	C916-18	10-11-23

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

Analysis Method	Prep Method	Matrix	Analyte
TO-15		Air	m,p-Xylene
TO-15		Air	o-Xylene



Method Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-142440-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	EET CAL 4
TO3	Volatile Organic Compounds in Ambient Air, Cryogenic Pre-Conc Techniques (GC)	EPA	EET CAL 4

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494



Sample Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-142440-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-142440-1	A-062023-NA-INF	Air	06/20/23 11:40	06/21/23 09:30	Air Canister (1-Liter) #LC598
570-142440-2	A-062023-NA-EFF	Air	06/20/23 11:45	06/21/23 09:30	Air Canister (1-Liter) #LC447

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- 12
- 13
- 14
- 15
- 16



Environment Testing
Calscience

2841 Dow Avenue, Suite 100, Tustin, CA 92780 • (714) 895-5494

For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.



570-142440 Chain of Custody

AIR CHAIN-OF-CUSTODY RECORD

DATE: 6/20/23
PAGE: 1 OF 1

LABORATORY CLIENT: GHD		CLIENT PROJECT NAME / NO.: P66 Renton Terminal AOC 5228/12572873		P.O. NO.: 12572873-2021-04	
ADDRESS: 9725 3rd Avenue NE Ste 204		PROJECT CONTACT: Fabio Minervini (949)648-5270 Rose Bier (206)802-1595		LAB CONTACT OR QUOTE NO.:	
CITY: Seattle	STATE: WA	ZIP: 98115	PROJECT ADDRESS: 2423 Lind Avenue SW		SAMPLER(S): (PRINT) Nicholas Adamowski
TEL: (206)802-1595	E-MAIL: rosemary.bier@ghd.com		CITY: Renton		STATE: WA
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"): <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> STANDARD 10 days		ZIP: 98057		REQUESTED ANALYSES	
EDD: <input type="checkbox"/> COELT EDF <input type="checkbox"/> OTHER	UNITS:				

SPECIAL INSTRUCTIONS:

LAB USE ONLY	SAMPLE ID	FIELD ID / POINT OF COLLECTION	MATRIX	SAMPLING EQUIPMENT			START SAMPLING INFORMATION			STOP SAMPLING INFORMATION			GRO (T0-3)	BTEX (T0-15)
			Indoor (I) Soil Vap. (SV) Ambient (A)	Media ID	Canister Size 6L or 1L	Flow Controller ID	Date	Time (24 hr clock)	Canister Pressure (in Hg)	Date	Time (24 hr clock)	Canister Pressure (in Hg)		
	A-062023-NA-INF	①	SV	A	1L	LC598	6/20/23	1140	-30	6/20/23	1140	-2	X	X
	A-062023-NA-EFF	②	SV	A	1L	LC447	6/20/23	1145	-30	6/20/23	1145	-2	X	X
AP														

Relinquished by: (Signature) <i>Nicholas Adamowski</i>	Date: 6/20/23	Time: 1300	Received by: (Signature/Affiliation) <i>[Signature]</i>	Date: 6/21/23	Time: 0930
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:

ORIGIN ID:SEAA (248) 860-0803
CALSCIENCE ENVIRONMENTAL LAB
STE 100
2841 DOW AVE STE 100
TUSTIN, CA 92780
UNITED STATES US

SHIP DATE: 2003
ACTWGT: 6.00 LB
CAD: 6992458/SSF02422
DIMS: 12x10x11 IN
BILL THIRD PARTY

TO **ATTN: SAMPLE RECIEVING**

**2841 DOW AVE
SUITE 100
TUSTIN CA 92780**

(206) 861-6050 REF: DEPT:
INV: PO:



FedEx
Express



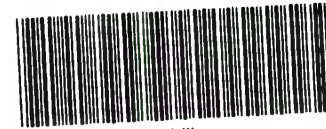
REL#
3785346

1 of 2
TRK# 7801 3284 9876
0201
MASTER

WED - 21 JUN 10:30
PRIORITY OVERNIGHT

92 DTHA

9278
CA-US SN



570-142440 Waybill

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-142440-1

Login Number: 142440

List Source: Eurofins Calscience

List Number: 1

Creator: Cortez Diaz, Antonio

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

Summa Canister Dilution Worksheet

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job No.: 570-142440-1

Lab Sample ID	Canister Volume (L)	Presampling Pressure ("Hg)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Final Pressure Gauge ID	Date	Time	Analyst Initials
570-142440-1	1	-29.5	0	1.00	1.00	0	1.00	1.00		1.00	1.00	Air Mg 6	06/21/23	13:53	HK
570-142440-2	1	-29.5	-1	0.97	0.97	-0.491154	0.97	0.97		1.00	1.00	Air Mg 6	06/21/23	13:53	HK

Formulae:

- Preadjusted Volume (L) = ((Preadjusted Pressure ("Hg) + 29.92 "Hg) * Vol L) / 29.92 "Hg
- Adjusted Volume (L) = ((Adjusted Pressure (psig) + 14.7 psig) * Vol L) / 14.7 psig
- Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

- 29.92 "Hg = Standard atmospheric pressure in inches of Mercury ("Hg)
- 14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)





ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/3/2023 4:12:14 PM

JOB DESCRIPTION

P66 Renton Terminal AOC 5228 / 1226464

JOB NUMBER

570-142431-1

Eurofins Calscience

Job Notes

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

Authorization



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Definitions/Glossary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 1226464

Job ID: 570-142431-1

Glossary

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

Case Narrative

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 1226464

Job ID: 570-142431-1

Job ID: 570-142431-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative 570-142431-1

Comments

No additional comments.

Receipt

The samples were received on 6/21/2023 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.8° C.

GC/MS VOA

Method 8260C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-340897. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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

GC VOA

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

GC Semi VOA

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

Metals

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

Organic Prep

Method 1664A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-339998. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch. Method 1664A.

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

VOA Prep

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

Detection Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 1226464

Job ID: 570-142431-1

Client Sample ID: GW-062023-EFF

Lab Sample ID: 570-142431-1

No Detections.

Client Sample ID: COMPOSITE(GW-062023-EFF 1,2,3,4)

Lab Sample ID: 570-142431-9

No Detections.

Client Sample ID: COMPOSITE(GW-062023-EFF 5,6,7)

Lab Sample ID: 570-142431-10

No Detections.

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This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 / 1226464

Job ID: 570-142431-1

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

Client Sample ID: COMPOSITE(GW-062023-EFF 1,2,3,4)

Lab Sample ID: 570-142431-9

Date Collected: 06/20/23 00:00

Matrix: Water

Date Received: 06/21/23 09:40

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			06/27/23 23:20	1
Toluene	ND		1.0	ug/L			06/27/23 23:20	1
o-Xylene	ND		1.0	ug/L			06/27/23 23:20	1
m,p-Xylene	ND		2.0	ug/L			06/27/23 23:20	1
Ethylbenzene	ND		1.0	ug/L			06/27/23 23:20	1
Xylenes, Total	ND		2.0	ug/L			06/27/23 23:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		70 - 123		06/27/23 23:20	1
4-Bromofluorobenzene (Surr)	92		80 - 120		06/27/23 23:20	1
Dibromofluoromethane (Surr)	110		78 - 120		06/27/23 23:20	1
Toluene-d8 (Surr)	99		80 - 120		06/27/23 23:20	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 1226464

Job ID: 570-142431-1

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

Client Sample ID: COMPOSITE(GW-062023-EFF 1,2,3,4)

Date Collected: 06/20/23 00:00

Date Received: 06/21/23 09:40

Lab Sample ID: 570-142431-9

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			06/26/23 22:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		50 - 150		06/26/23 22:34	1

Client Sample Results

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 / 1226464

Job ID: 570-142431-1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup - Silica Gel Cleanup

Client Sample ID: GW-062023-EFF
Date Collected: 06/20/23 10:00
Date Received: 06/21/23 09:40

Lab Sample ID: 570-142431-1
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.096	mg/L		06/29/23 13:34	07/03/23 07:45	1
TPH as Motor Oil Range	ND		0.096	mg/L		06/29/23 13:34	07/03/23 07:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	119		50 - 150			06/29/23 13:34	07/03/23 07:45	1



Client Sample Results

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 1226464

Job ID: 570-142431-1

General Chemistry

Client Sample ID: COMPOSITE(GW-062023-EFF 5,6,7)
Date Collected: 06/20/23 00:00
Date Received: 06/21/23 09:40

Lab Sample ID: 570-142431-10
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease (40CFR136A 1664A)	ND		0.952	mg/L		06/23/23 10:11	06/23/23 12:29	1

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Surrogate Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 1226464

Job ID: 570-142431-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (70-123)	BFB (80-120)	DBFM (78-120)	TOL (80-120)
570-142431-9	COMPOSITE(GW-062023-EFF	111	92	110	99
LCS 570-340897/1013	Lab Control Sample	98	103	98	101
LCSD 570-340897/14	Lab Control Sample Dup	97	103	98	100
MB 570-340897/17	Method Blank	105	95	105	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		BFB1 (50-150)
570-142431-9	COMPOSITE(GW-062023-EFF	105
LCS 570-340709/31	Lab Control Sample	108
LCSD 570-340709/32	Lab Control Sample Dup	106
MB 570-340709/33	Method Blank	101

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Matrix: Water

Prep Type: Silica Gel Cleanup

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		OTCSN (50-150)
570-142431-1	GW-062023-EFF	119
LCS 570-341752/2-A	Lab Control Sample	114
LCSD 570-341752/3-A	Lab Control Sample Dup	117
MB 570-341752/1-A	Method Blank	119

Surrogate Legend

OTCSN = n-Octacosane (Surr)

QC Sample Results

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 1226464

Job ID: 570-142431-1

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

Lab Sample ID: MB 570-340897/17
Matrix: Water
Analysis Batch: 340897

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			06/27/23 17:37	1
Toluene	ND		1.0	ug/L			06/27/23 17:37	1
o-Xylene	ND		1.0	ug/L			06/27/23 17:37	1
m,p-Xylene	ND		2.0	ug/L			06/27/23 17:37	1
Ethylbenzene	ND		1.0	ug/L			06/27/23 17:37	1
Xylenes, Total	ND		2.0	ug/L			06/27/23 17:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		70 - 123		06/27/23 17:37	1
4-Bromofluorobenzene (Surr)	95		80 - 120		06/27/23 17:37	1
Dibromofluoromethane (Surr)	105		78 - 120		06/27/23 17:37	1
Toluene-d8 (Surr)	98		80 - 120		06/27/23 17:37	1

Lab Sample ID: LCS 570-340897/1013
Matrix: Water
Analysis Batch: 340897

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.0	19.60		ug/L		98	80 - 121
Toluene	20.0	19.99		ug/L		100	80 - 120
o-Xylene	20.0	20.98		ug/L		105	80 - 122
m,p-Xylene	40.0	42.16		ug/L		105	80 - 123
Ethylbenzene	20.0	20.59		ug/L		103	80 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 123
4-Bromofluorobenzene (Surr)	103		80 - 120
Dibromofluoromethane (Surr)	98		78 - 120
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: LCSD 570-340897/14
Matrix: Water
Analysis Batch: 340897

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	20.0	20.13		ug/L		101	80 - 121	3	20
Toluene	20.0	20.24		ug/L		101	80 - 120	1	20
o-Xylene	20.0	21.67		ug/L		108	80 - 122	3	20
m,p-Xylene	40.0	43.47		ug/L		109	80 - 123	3	20
Ethylbenzene	20.0	21.34		ug/L		107	80 - 121	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 123
4-Bromofluorobenzene (Surr)	103		80 - 120
Dibromofluoromethane (Surr)	98		78 - 120
Toluene-d8 (Surr)	100		80 - 120

QC Sample Results

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 1226464

Job ID: 570-142431-1

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

Lab Sample ID: MB 570-340709/33
Matrix: Water
Analysis Batch: 340709

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			06/26/23 22:15	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		50 - 150				06/26/23 22:15	1

Lab Sample ID: LCS 570-340709/31
Matrix: Water
Analysis Batch: 340709

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Gasoline (C4-C13)	1990	2153		ug/L		108	76 - 128
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	108		50 - 150				

Lab Sample ID: LCSD 570-340709/32
Matrix: Water
Analysis Batch: 340709

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline (C4-C13)	1990	2081		ug/L		105	76 - 128	3	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	106		50 - 150						

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Lab Sample ID: MB 570-341752/1-A
Matrix: Water
Analysis Batch: 342458

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 341752

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.10	mg/L		06/29/23 13:34	07/03/23 01:10	1
TPH as Motor Oil Range	ND		0.10	mg/L		06/29/23 13:34	07/03/23 01:10	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	119		50 - 150			06/29/23 13:34	07/03/23 01:10	1

Lab Sample ID: LCS 570-341752/2-A
Matrix: Water
Analysis Batch: 342458

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 341752

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	4.00	3.857		mg/L		96	68 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
n-Octacosane (Surr)	114		50 - 150				

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QC Sample Results

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 / 1226464

Job ID: 570-142431-1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup (Continued)

Lab Sample ID: LCSD 570-341752/3-A
Matrix: Water
Analysis Batch: 342458

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 341752

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	4.00	3.886		mg/L		97	68 - 120	1	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
<i>n-Octacosane (Surr)</i>	117		50 - 150						

Method: 1664A - Oil and Grease

Lab Sample ID: MB 570-339998/1-A
Matrix: Water
Analysis Batch: 340055

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 339998

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	ND		1.00	mg/L		06/23/23 10:11	06/23/23 12:29	1

Lab Sample ID: LCS 570-339998/2-A
Matrix: Water
Analysis Batch: 340055

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 339998

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Oil & Grease	40.0	37.30		mg/L		93	78 - 114

Lab Sample ID: LCSD 570-339998/3-A
Matrix: Water
Analysis Batch: 340055

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 339998

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Oil & Grease	40.0	36.80		mg/L		92	78 - 114	1	18

QC Association Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 1226464

Job ID: 570-142431-1

GC/MS VOA

Analysis Batch: 340897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-142431-9	COMPOSITE(GW-062023-EFF 1,2,3,4)	Total/NA	Water	8260C	
MB 570-340897/17	Method Blank	Total/NA	Water	8260C	
LCS 570-340897/1013	Lab Control Sample	Total/NA	Water	8260C	
LCSD 570-340897/14	Lab Control Sample Dup	Total/NA	Water	8260C	

GC VOA

Analysis Batch: 340709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-142431-9	COMPOSITE(GW-062023-EFF 1,2,3,4)	Total/NA	Water	NWTPH-Gx	
MB 570-340709/33	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 570-340709/31	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 570-340709/32	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

GC Semi VOA

Prep Batch: 341752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-142431-1	GW-062023-EFF	Silica Gel Cleanup	Water	3510C SGC	
MB 570-341752/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	
LCS 570-341752/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 570-341752/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	

Analysis Batch: 342458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-142431-1	GW-062023-EFF	Silica Gel Cleanup	Water	NWTPH-Dx	341752
MB 570-341752/1-A	Method Blank	Silica Gel Cleanup	Water	NWTPH-Dx	341752
LCS 570-341752/2-A	Lab Control Sample	Silica Gel Cleanup	Water	NWTPH-Dx	341752
LCSD 570-341752/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	NWTPH-Dx	341752

General Chemistry

Prep Batch: 339998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-142431-10	COMPOSITE(GW-062023-EFF 5,6,7)	Total/NA	Water	1664A	
MB 570-339998/1-A	Method Blank	Total/NA	Water	1664A	
LCS 570-339998/2-A	Lab Control Sample	Total/NA	Water	1664A	
LCSD 570-339998/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	

Analysis Batch: 340055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-142431-10	COMPOSITE(GW-062023-EFF 5,6,7)	Total/NA	Water	1664A	339998
MB 570-339998/1-A	Method Blank	Total/NA	Water	1664A	339998
LCS 570-339998/2-A	Lab Control Sample	Total/NA	Water	1664A	339998
LCSD 570-339998/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	339998

Lab Chronicle

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 / 1226464

Job ID: 570-142431-1

Client Sample ID: GW-062023-EFF

Lab Sample ID: 570-142431-1

Date Collected: 06/20/23 10:00

Matrix: Water

Date Received: 06/21/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3510C SGC			259.7 mL	2.5 mL	341752	06/29/23 13:34	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	342458	07/03/23 07:45	SP9M	EET CAL 4
Instrument ID: GC48										

Client Sample ID: COMPOSITE(GW-062023-EFF 1,2,3,4)

Lab Sample ID: 570-142431-9

Date Collected: 06/20/23 00:00

Matrix: Water

Date Received: 06/21/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	340897	06/27/23 23:20	B7TT	EET CAL 4
Instrument ID: GCMSXX										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	340709	06/26/23 22:34	A9VE	EET CAL 4
Instrument ID: GC73										

Client Sample ID: COMPOSITE(GW-062023-EFF 5,6,7)

Lab Sample ID: 570-142431-10

Date Collected: 06/20/23 00:00

Matrix: Water

Date Received: 06/21/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			1050 mL	1000 mL	339998	06/23/23 10:11	UWEZ	EET CAL 4
Total/NA	Analysis	1664A		1			340055	06/23/23 12:29	VB5S	EET CAL 4
Instrument ID: NO EQUIQ										

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 1226464

Job ID: 570-142431-1

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-24
Washington	State	C916-18	10-11-23

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Method Summary

Client: GHD Services Inc.

Job ID: 570-142431-1

Project/Site: P66 Renton Terminal AOC 5228 / 1226464

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET CAL 4
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC)	NWTPH	EET CAL 4
NWTPH-Dx	Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup	NWTPH	EET CAL 4
1664A	Oil and Grease	40CFR136A	EET CAL 4
1664A	HEM and SGT-HEM (Aqueous)	1664A	EET CAL 4
3510C SGC	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CAL 4
5030C	Purge and Trap	SW846	EET CAL 4

Protocol References:

1664A = EPA-821-98-002

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 1226464

Job ID: 570-142431-1

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Collected</u>	<u>Received</u>
570-142431-1	GW-062023-EFF	Water	06/20/23 10:00	06/21/23 09:40
570-142431-9	COMPOSITE(GW-062023-EFF 1,2,3,4)	Water	06/20/23 00:00	06/21/23 09:40
570-142431-10	COMPOSITE(GW-062023-EFF 5,6,7)	Water	06/20/23 00:00	06/21/23 09:40

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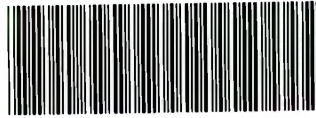
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12

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14

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7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us 26_sales@eurofins.com or call us.

DATE: 07/14/22 - 6/20/23
PAGE: 1 OF 1

LABORATORY CLIENT: GHD Services Inc.						CLIENT PROJECT NAME / NUMBER: P66 Renton Terminal AOC 5228 / 11226464						P.O. NO.: 12572873-2021-04																																																																																																																																																																											
ADDRESS: 9725 3rd Avenue NE Ste 204												PROJECT CONTACT: Fabio Minervini 949-648-5270 Rose Bier 305-903-4318						SAMPLER(S): (PRINT) <i>Nicholas Adamowski</i> Luca Picotello																																																																																																																																																																					
CITY: Seattle				STATE: WA				ZIP: 98115																																																																																																																																																																															
TEL: 206-802-1595				E-MAIL: rosemary.bier@ghd.com								<p align="center">REQUESTED ANALYSES</p> <p align="center">Please check box or fill in blank as needed.</p> <table border="1"> <thead> <tr> <th>Unpreserved</th> <th>Preserved</th> <th>Field Filtered</th> <th>DRO/ORO (NWTPH-Dx)</th> <th>GRO (NWTPH-Gx)</th> <th>BTEX (8260)</th> <th>Oil and Grease (1664)</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td></td><td>X</td><td></td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Lab Composite</td> </tr> <tr> <td></td><td>X</td><td></td><td></td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Lab Composite</td> </tr> <tr> <td></td><td>X</td><td></td><td></td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Lab Composite</td> </tr> <tr> <td></td><td>X</td><td></td><td></td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Lab Composite</td> </tr> <tr> <td></td><td>X</td><td></td><td></td><td></td><td></td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td></td><td></td><td></td><td></td><td></td><td>Lab Composite</td> </tr> <tr> <td></td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td>Lab Composite</td> </tr> <tr> <td></td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Lab Composite</td> </tr> </tbody> </table>												Unpreserved	Preserved	Field Filtered	DRO/ORO (NWTPH-Dx)	GRO (NWTPH-Gx)	BTEX (8260)	Oil and Grease (1664)															X		X																Lab Composite		X			X	X														Lab Composite		X			X	X														Lab Composite		X			X	X														Lab Composite		X					X							X						Lab Composite		X											X							Lab Composite		X										X								Lab Composite
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SPECIAL INSTRUCTIONS: CC results to fabio.minervini@ghd.com																																																																																																																																																																																							
LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	DRO/ORO (NWTPH-Dx)	GRO (NWTPH-Gx)	BTEX (8260)	Oil and Grease (1664)																																																																																																																																																																											
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Do not lift using this tab

Part # 156297 435 HRDB2 EXP 02/24

ORIGIN ID:SEAA (248) 860-0803
CALSCIENCE ENVIRONMENTAL LAB
STE 100
2841 DOW AVE STE 100
TUSTIN, CA 92780
UNITED STATES US

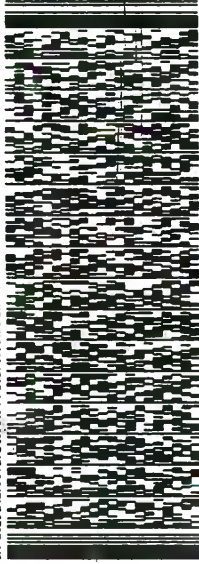
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CAD: 6992458/SSF02422
DIMS: 24X13X13 IN
BILL THIRD PARTY

TO ATTN: SAMPLE RECIEVING

**2841 DOW AVE
SUITE 100
TUSTIN CA 92780**

(206) 881-6060 REF:
INV:
P31

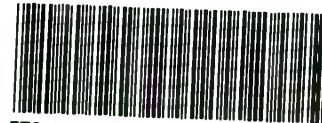
DEPT:



FedEx
Express



REL#
3785346



570-142431 Waybill

WED - 21 JUN 10:30A

MPS# 7801 3284 9887

0263

Mstr# 7801 3284 9876

PRIORITY OVERNIGHT

92 DTHA

92780

CA-US SNI



Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-142431-1

Login Number: 142431

List Source: Eurofins Calscience

List Number: 1

Creator: Kasianchuk, Ivanna

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



 **ANALYTICAL REPORT****PREPARED FOR**

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

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JOB DESCRIPTION

P66 Renton Terminal AOC 5228 / 12572873

JOB NUMBER

570-142441-1

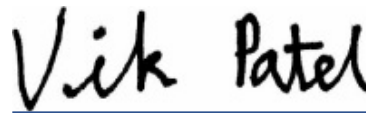
Eurofins Calscience

Job Notes

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

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

Authorization



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Authorized for release by
Vikas Patel, Project Manager I
Vikas.Patel@et.eurofinsus.com
(714)895-5494



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Definitions/Glossary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-142441-1

Glossary

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

Case Narrative

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-142441-1

Job ID: 570-142441-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative 570-142441-1

Comments

No additional comments.

Receipt

The samples were received on 6/21/2023 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.8° C.

GC/MS VOA

Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: GW-062023-INF 1 (570-142441-1) and GW-062023-MID 1 (570-142441-2). Elevated reporting limits (RLs) are provided.

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) precision for analytical batch 570-340661 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

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

GC VOA

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

GC Semi VOA

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

Organic Prep

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

VOA Prep

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

Detection Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-142441-1

Client Sample ID: GW-062023-INF 1

Lab Sample ID: 570-142441-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2700		50	ug/L	100		8260C	Total/NA
Toluene	5700		100	ug/L	100		8260C	Total/NA
o-Xylene	2400		100	ug/L	100		8260C	Total/NA
m,p-Xylene	6000		200	ug/L	100		8260C	Total/NA
Ethylbenzene	920		100	ug/L	100		8260C	Total/NA
Xylenes, Total	8400		200	ug/L	100		8260C	Total/NA
TPH as Gasoline (C4-C13)	34000		1000	ug/L	10		NWTPH-Gx	Total/NA
TPH as Diesel Range - DL	23		0.94	mg/L	10		NWTPH-Dx	Silica Gel Cleanup

Client Sample ID: GW-062023-MID 1

Lab Sample ID: 570-142441-2

No Detections.

Client Sample ID: GW-062023-MID 2

Lab Sample ID: 570-142441-3

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.6		0.50	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Client Sample Results

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-142441-1

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

Client Sample ID: GW-062023-INF 1

Date Collected: 06/20/23 11:30

Date Received: 06/21/23 09:40

Lab Sample ID: 570-142441-1

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2700		50	ug/L			06/27/23 05:23	100
Toluene	5700		100	ug/L			06/27/23 05:23	100
o-Xylene	2400		100	ug/L			06/27/23 05:23	100
m,p-Xylene	6000		200	ug/L			06/27/23 05:23	100
Ethylbenzene	920		100	ug/L			06/27/23 05:23	100
Xylenes, Total	8400		200	ug/L			06/27/23 05:23	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 123		06/27/23 05:23	100
4-Bromofluorobenzene (Surr)	100		80 - 120		06/27/23 05:23	100
Dibromofluoromethane (Surr)	98		78 - 120		06/27/23 05:23	100
Toluene-d8 (Surr)	100		80 - 120		06/27/23 05:23	100

Client Sample ID: GW-062023-MID 1

Date Collected: 06/20/23 11:15

Date Received: 06/21/23 09:40

Lab Sample ID: 570-142441-2

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0	ug/L			06/27/23 05:02	4
Toluene	ND		4.0	ug/L			06/27/23 05:02	4
o-Xylene	ND		4.0	ug/L			06/27/23 05:02	4
m,p-Xylene	ND		8.0	ug/L			06/27/23 05:02	4
Ethylbenzene	ND		4.0	ug/L			06/27/23 05:02	4
Xylenes, Total	ND		8.0	ug/L			06/27/23 05:02	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 123		06/27/23 05:02	4
4-Bromofluorobenzene (Surr)	101		80 - 120		06/27/23 05:02	4
Dibromofluoromethane (Surr)	97		78 - 120		06/27/23 05:02	4
Toluene-d8 (Surr)	102		80 - 120		06/27/23 05:02	4

Client Sample ID: GW-062023-MID 2

Date Collected: 06/20/23 11:00

Date Received: 06/21/23 09:40

Lab Sample ID: 570-142441-3

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.6		0.50	ug/L			06/27/23 02:36	1
Toluene	ND		1.0	ug/L			06/27/23 02:36	1
o-Xylene	ND		1.0	ug/L			06/27/23 02:36	1
m,p-Xylene	ND		2.0	ug/L			06/27/23 02:36	1
Ethylbenzene	ND		1.0	ug/L			06/27/23 02:36	1
Xylenes, Total	ND		2.0	ug/L			06/27/23 02:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 123		06/27/23 02:36	1
4-Bromofluorobenzene (Surr)	97		80 - 120		06/27/23 02:36	1
Dibromofluoromethane (Surr)	100		78 - 120		06/27/23 02:36	1
Toluene-d8 (Surr)	100		80 - 120		06/27/23 02:36	1

Client Sample Results

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-142441-1

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

Client Sample ID: GW-062023-INF 1

Date Collected: 06/20/23 11:30

Date Received: 06/21/23 09:40

Lab Sample ID: 570-142441-1

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	34000		1000	ug/L	-		06/23/23 06:56	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		50 - 150				06/23/23 06:56	10

Client Sample ID: GW-062023-MID 1

Date Collected: 06/20/23 11:15

Date Received: 06/21/23 09:40

Lab Sample ID: 570-142441-2

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L	-		06/23/23 06:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		50 - 150				06/23/23 06:37	1

Client Sample ID: GW-062023-MID 2

Date Collected: 06/20/23 11:00

Date Received: 06/21/23 09:40

Lab Sample ID: 570-142441-3

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L	-		06/23/23 06:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		50 - 150				06/23/23 06:18	1

Client Sample Results

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-142441-1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup - Silica Gel Cleanup

Client Sample ID: GW-062023-MID 1

Date Collected: 06/20/23 11:15

Date Received: 06/21/23 09:40

Lab Sample ID: 570-142441-2

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.096	mg/L		06/29/23 13:34	07/03/23 06:21	1
TPH as Motor Oil Range	ND		0.096	mg/L		06/29/23 13:34	07/03/23 06:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	114		50 - 150			06/29/23 13:34	07/03/23 06:21	1

Client Sample ID: GW-062023-MID 2

Date Collected: 06/20/23 11:00

Date Received: 06/21/23 09:40

Lab Sample ID: 570-142441-3

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.097	mg/L		06/29/23 13:34	07/03/23 06:42	1
TPH as Motor Oil Range	ND		0.097	mg/L		06/29/23 13:34	07/03/23 06:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	110		50 - 150			06/29/23 13:34	07/03/23 06:42	1

Client Sample Results

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-142441-1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup - Silica Gel Cleanup - DL

Client Sample ID: GW-062023-INF 1
Date Collected: 06/20/23 11:30
Date Received: 06/21/23 09:40

Lab Sample ID: 570-142441-1
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	23		0.94	mg/L		06/29/23 13:34	07/03/23 14:08	10
TPH as Motor Oil Range	ND		0.94	mg/L		06/29/23 13:34	07/03/23 14:08	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	126		50 - 150			06/29/23 13:34	07/03/23 14:08	10

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Surrogate Summary

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-142441-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (70-123)	BFB (80-120)	DBFM (78-120)	TOL (80-120)
570-142441-1	GW-062023-INF 1	101	100	98	100
570-142441-2	GW-062023-MID 1	99	101	97	102
570-142441-3	GW-062023-MID 2	101	97	100	100
LCS 570-340661/4	Lab Control Sample	104	101	101	100
LCSD 570-340661/5	Lab Control Sample Dup	102	102	100	100
MB 570-340661/7	Method Blank	88	93	93	100

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
 BFB = 4-Bromofluorobenzene (Surr)
 DBFM = Dibromofluoromethane (Surr)
 TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		BFB1 (50-150)
570-142441-1	GW-062023-INF 1	110
570-142441-2	GW-062023-MID 1	104
570-142441-3	GW-062023-MID 2	107
LCS 570-339836/31	Lab Control Sample	106
LCSD 570-339836/32	Lab Control Sample Dup	110
MB 570-339836/33	Method Blank	104

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Matrix: Water

Prep Type: Silica Gel Cleanup

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		OTCSN (50-150)
570-142441-1 - DL	GW-062023-INF 1	126
570-142441-2	GW-062023-MID 1	114
570-142441-3	GW-062023-MID 2	110
LCS 570-341752/2-A	Lab Control Sample	114
LCSD 570-341752/3-A	Lab Control Sample Dup	117
MB 570-341752/1-A	Method Blank	119

Surrogate Legend

OTCSN = n-Octacosane (Surr)

QC Sample Results

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-142441-1

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

Lab Sample ID: MB 570-340661/7
Matrix: Water
Analysis Batch: 340661

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			06/26/23 22:26	1
Toluene	ND		1.0	ug/L			06/26/23 22:26	1
o-Xylene	ND		1.0	ug/L			06/26/23 22:26	1
m,p-Xylene	ND		2.0	ug/L			06/26/23 22:26	1
Ethylbenzene	ND		1.0	ug/L			06/26/23 22:26	1
Xylenes, Total	ND		2.0	ug/L			06/26/23 22:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		70 - 123		06/26/23 22:26	1
4-Bromofluorobenzene (Surr)	93		80 - 120		06/26/23 22:26	1
Dibromofluoromethane (Surr)	93		78 - 120		06/26/23 22:26	1
Toluene-d8 (Surr)	100		80 - 120		06/26/23 22:26	1

Lab Sample ID: LCS 570-340661/4
Matrix: Water
Analysis Batch: 340661

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.0	16.85		ug/L		84	80 - 121
Toluene	20.0	17.34		ug/L		87	80 - 120
o-Xylene	20.0	18.20		ug/L		91	80 - 122
m,p-Xylene	40.0	37.36		ug/L		93	80 - 123
Ethylbenzene	20.0	18.11		ug/L		91	80 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		70 - 123
4-Bromofluorobenzene (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	101		78 - 120
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: LCSD 570-340661/5
Matrix: Water
Analysis Batch: 340661

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	20.0	18.42		ug/L		92	80 - 121	9	20
Toluene	20.0	18.46		ug/L		92	80 - 120	6	20
o-Xylene	20.0	19.56		ug/L		98	80 - 122	7	20
m,p-Xylene	40.0	39.51		ug/L		99	80 - 123	6	20
Ethylbenzene	20.0	19.10		ug/L		95	80 - 121	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		70 - 123
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	100		78 - 120
Toluene-d8 (Surr)	100		80 - 120

QC Sample Results

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-142441-1

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

Lab Sample ID: MB 570-339836/33
Matrix: Water
Analysis Batch: 339836

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			06/22/23 22:52	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		50 - 150				06/22/23 22:52	1

Lab Sample ID: LCS 570-339836/31
Matrix: Water
Analysis Batch: 339836

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Gasoline (C4-C13)	1990	2108		ug/L		106	76 - 128
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	106		50 - 150				

Lab Sample ID: LCSD 570-339836/32
Matrix: Water
Analysis Batch: 339836

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline (C4-C13)	1990	2141		ug/L		108	76 - 128	2	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	110		50 - 150						

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Lab Sample ID: MB 570-341752/1-A
Matrix: Water
Analysis Batch: 342458

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 341752

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.10	mg/L		06/29/23 13:34	07/03/23 01:10	1
TPH as Motor Oil Range	ND		0.10	mg/L		06/29/23 13:34	07/03/23 01:10	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	119		50 - 150			06/29/23 13:34	07/03/23 01:10	1

Lab Sample ID: LCS 570-341752/2-A
Matrix: Water
Analysis Batch: 342458

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 341752

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	4.00	3.857		mg/L		96	68 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
n-Octacosane (Surr)	114		50 - 150				

Eurofins Calscience

QC Sample Results

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-142441-1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup (Continued)

Lab Sample ID: LCSD 570-341752/3-A
Matrix: Water
Analysis Batch: 342458

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 341752

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	4.00	3.886		mg/L		97	68 - 120	1	20
Surrogate			LCSD						
<i>n</i> -Octacosane (Surr)			%Recovery						
			Qualifier						
			Limits						
			117						50 - 150



QC Association Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-142441-1

GC/MS VOA

Analysis Batch: 340661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-142441-1	GW-062023-INF 1	Total/NA	Water	8260C	
570-142441-2	GW-062023-MID 1	Total/NA	Water	8260C	
570-142441-3	GW-062023-MID 2	Total/NA	Water	8260C	
MB 570-340661/7	Method Blank	Total/NA	Water	8260C	
LCS 570-340661/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 570-340661/5	Lab Control Sample Dup	Total/NA	Water	8260C	

GC VOA

Analysis Batch: 339836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-142441-1	GW-062023-INF 1	Total/NA	Water	NWTPH-Gx	
570-142441-2	GW-062023-MID 1	Total/NA	Water	NWTPH-Gx	
570-142441-3	GW-062023-MID 2	Total/NA	Water	NWTPH-Gx	
MB 570-339836/33	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 570-339836/31	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 570-339836/32	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

GC Semi VOA

Prep Batch: 341752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-142441-1 - DL	GW-062023-INF 1	Silica Gel Cleanup	Water	3510C SGC	
570-142441-2	GW-062023-MID 1	Silica Gel Cleanup	Water	3510C SGC	
570-142441-3	GW-062023-MID 2	Silica Gel Cleanup	Water	3510C SGC	
MB 570-341752/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	
LCS 570-341752/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 570-341752/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	

Analysis Batch: 342458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-142441-2	GW-062023-MID 1	Silica Gel Cleanup	Water	NWTPH-Dx	341752
570-142441-3	GW-062023-MID 2	Silica Gel Cleanup	Water	NWTPH-Dx	341752
MB 570-341752/1-A	Method Blank	Silica Gel Cleanup	Water	NWTPH-Dx	341752
LCS 570-341752/2-A	Lab Control Sample	Silica Gel Cleanup	Water	NWTPH-Dx	341752
LCSD 570-341752/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	NWTPH-Dx	341752

Analysis Batch: 342616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-142441-1 - DL	GW-062023-INF 1	Silica Gel Cleanup	Water	NWTPH-Dx	341752

Lab Chronicle

Client: GHD Services Inc.
 Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-142441-1

Client Sample ID: GW-062023-INF 1

Lab Sample ID: 570-142441-1

Date Collected: 06/20/23 11:30

Matrix: Water

Date Received: 06/21/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	5 mL	5 mL	340661	06/27/23 05:23	OH1	EET CAL 4
Instrument ID: GCMSQQ										
Total/NA	Analysis	NWTPH-Gx		10	5 mL	5 mL	339836	06/23/23 06:56	A1W	EET CAL 4
Instrument ID: GC73										
Silica Gel Cleanup	Prep	3510C SGC	DL		265.6 mL	2.5 mL	341752	06/29/23 13:34	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx	DL	10	10 mL	10 mL	342616	07/03/23 14:08	SP9M	EET CAL 4
Instrument ID: GC48										

Client Sample ID: GW-062023-MID 1

Lab Sample ID: 570-142441-2

Date Collected: 06/20/23 11:15

Matrix: Water

Date Received: 06/21/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	5 mL	5 mL	340661	06/27/23 05:02	OH1	EET CAL 4
Instrument ID: GCMSQQ										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	339836	06/23/23 06:37	A1W	EET CAL 4
Instrument ID: GC73										
Silica Gel Cleanup	Prep	3510C SGC			260.8 mL	2.5 mL	341752	06/29/23 13:34	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	342458	07/03/23 06:21	SP9M	EET CAL 4
Instrument ID: GC48										

Client Sample ID: GW-062023-MID 2

Lab Sample ID: 570-142441-3

Date Collected: 06/20/23 11:00

Matrix: Water

Date Received: 06/21/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	340661	06/27/23 02:36	OH1	EET CAL 4
Instrument ID: GCMSQQ										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	339836	06/23/23 06:18	A1W	EET CAL 4
Instrument ID: GC73										
Silica Gel Cleanup	Prep	3510C SGC			258.1 mL	2.5 mL	341752	06/29/23 13:34	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	342458	07/03/23 06:42	SP9M	EET CAL 4
Instrument ID: GC48										

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-142441-1

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-24
Washington	State	C916-18	10-11-23

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Method Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-142441-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET CAL 4
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC)	NWTPH	EET CAL 4
NWTPH-Dx	Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup	NWTPH	EET CAL 4
3510C SGC	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CAL 4
5030C	Purge and Trap	SW846	EET CAL 4

Protocol References:

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494



Sample Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-142441-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-142441-1	GW-062023-INF 1	Water	06/20/23 11:30	06/21/23 09:40
570-142441-2	GW-062023-MID 1	Water	06/20/23 11:15	06/21/23 09:40
570-142441-3	GW-062023-MID 2	Water	06/20/23 11:00	06/21/23 09:40

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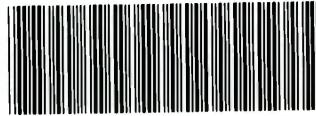
13

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Calscience



Loc: 570
142441

CHAIN OF CUSTODY RECORD

LAB USE ONLY

DATE: 6/20/23

PAGE: 1 OF 1

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-549 • 570-142441 Chain of Custody
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

LABORATORY CLIENT: GHD Services Inc.		CLIENT PROJECT NAME / NUMBER: P66 Renton Terminal AOC 5228 / 12572873	P.O. NO.: 12572873-2021-04
ADDRESS: 9725 3rd Avenue NE Ste 204		PROJECT CONTACT: Fabio Minervini 949-648-5270 Rose Bier 206-802-1595	SAMPLER(S): (PRINT) Nicholas Adamowski Luca Pisotello
CITY: Seattle	STATE: WA	ZIP: 98115	
TEL: 206-802-1595	E-MAIL: rosemary.bier@ghd.com		

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD")
 SAME DAY 24 HR 48 HR 72 HR 5 DAYS STANDARD *10 days*

COELT EDF

GLOBAL ID: _____ LOG CODE: _____

SPECIAL INSTRUCTIONS:
CC results to fabio.minervini@ghd.com

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	REQUESTED ANALYSES												
		DATE	TIME						Please check box or fill in blank as needed.												
									DRO/ORO (NWTPH-Dx)	GRO (NWTPH-Gx)	BTEX (8260)	Oil and Grease (1664)									
1	GW-062023-NA- LP-INF 1	6/20/23	1130	GW	8		X		X	X	X										
2	GW-NA- LP-MID 1	↓	1115	GW	8		X		X	X	X										
3	GW-NA- LP-MID 2	↓	1100	GW	8		X		X	X	X										
AP																					

Relinquished by: (Signature) <i>Nicholas Adamowski</i>	Received by: (Signature/Affiliation) <i>FedEx</i>	Date: 6-20-23	Time: 1300
Relinquished by: (Signature) <i>FedEx</i>	Received by: (Signature/Affiliation) <i>[Signature]</i>	Date: 6/21/23	Time: 0940
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

Do not lift using this tag

Part # 156297 435 H1062 Exp 02/24

ORIGIN ID:SEAA (248) 860-0803
CALSCIENCE ENVIRONMENTAL LAB
STE 100
2841 DOW AVE STE 100
TUSTIN, CA 92780
UNITED STATES US

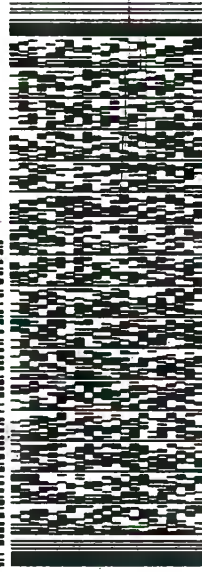
SHIP DATE: 20JUN23
ACTWT: 45.50 LB
CAO: 6992458/SSF02422
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO ATTN: SAMPLE RECEIVING

**2841 DOW AVE
SUITE 100
TUSTIN CA 92780**

(206) 861-6060 REF: 1
TNU: PO1

DEPT:



FedEx
Express



AR1990102202221

REL#
3785346



570-142441 Waybill

**WED - 21 JUN 10:30A
PRIORITY OVERNIGHT**

2 of 2
MPS# **7801 3284 9887**
0263
Mstr# 7801 3284 9876

92 DTHA

0201

92780

CA-US SNA



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Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-142441-1

Login Number: 142441

List Number: 1

Creator: Kasianchuk, Ivanna

List Source: Eurofins Calscience

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



Appendix B

King County Self-Monitoring Reports



King County

Industrial Waste Program Monthly Self-Monitoring Report

Send to: King County Industrial Waste Program
201 S. Jackson Street, Suite 513
Seattle, WA 98104-3855
Phone 206-477-5300 / FAX 206-263-3001
Email: info.KCIW@kingcounty.gov

Company Name: Phillips 66 Company - Renton Terminal

Sample Site No. A81491

Permit/DA No.: 7910-02

Please Specify Month & Year: Month: April 2023

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

All units are mg/l unless otherwise noted.

Sample Date (circle)	Sample Type C (Composite) G (Grab) BC (batch)	pH	Benzene CAS 71-43-2	Ethylbenzene CAS 100-41-4	Toluene CAS 108-88-3	Total Xylenes CAS 1330-20-7	Non Polar Fats, Oils, and Grease (Avg. of 3 grabs)	Daily Flow (GPD) Industrial	Notes (indicate Batch Discharge where applicable)
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24	G	7.0	ND	ND	ND	ND	1.0	5,000	
25									
26									
27									
28									
29									
30									
31									

Monthly Min pH 7.0 & Date 4/24/2023 Total Monthly Flow (gallons) 152,340

Monthly Max pH 7.0 & Date 4/24/2023 Maximum Daily Flow 7,100 & Date 4/23/23

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.

5/12/2023

Date

Elis Jurian

Signature of Principal Executive or Authorized Agent

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th each month.



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Sample Site No. A81491

Permit/DA No.: 7910-02

Please Specify Month & Year: Month: May 2023

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

All units are mg/l unless otherwise noted.

Sample Date (circle)	Sample Type C (Composite) G (Grab) BC (batch)	pH	Benzene CAS 71-43-2	Ethylbenzene CAS 100-41-4	Toluene CAS 108-88-3	Total Xylenes CAS 1330-20-7	Non Polar Fats, Oils, and Grease (Avg. of 3 grabs)	Daily Flow (GPD) Industrial	Notes (Indicate Batch Discharge where applicable)
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
⑪	G	6.5	ND	ND	ND	ND	Sample bottle broke; FOG resampled on 5/17/23.	3,680	
12									
13									
14									
15									
16									
17	G	Not measured.	Not analyzed.	Not analyzed.	Not analyzed.	Not analyzed.	1.05	3,750	
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									

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E. L. Gurian
Signature of Principal Executive or Authorized Agent

6/13/2023
Date

Monthly Min pH	6.5	& Date	5/11/2023	Total Monthly Flow (gallons)	98,270	
Monthly Max pH	6.5	& Date	5/11/2023	Maximum Daily Flow	6,310	& Date 5/2/2023

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Company Name: Phillips 66 Company - Renton Terminal

Sample Site No. A81491

Permit/DA No.: 7910-02

Please Specify Month & Year: Month: June 2023

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

All units are mg/l unless otherwise noted.

Sample Date (circle)	Sample Type C (Composite) G (Grab) BC (batch)	pH	Benzene CAS 71-43-2	Ethylbenzene CAS 100-41-4	Toluene CAS 108-88-3	Total Xylenes CAS 1330-20-7	Non Polar Fats, Oils, and Grease (Avg. of 3 grabs)	Daily Flow (GPD) Industrial	Notes (Indicate Batch Discharge where applicable)
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20	G	6.7*	ND	ND	ND	ND	ND	5,830	
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									

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Eli Gurian
Signature of Principal Executive or Authorized Agent
Date 7/11/2023

Monthly Min pH	<u>6.7</u>	& Date	<u>7/6/2023*</u>	*pH not taken on date of sampling	Total Monthly Flow (gallons)	<u>132,710</u>
Monthly Max pH	<u>6.7</u>	& Date	<u>7/6/2023*</u>		Maximum Daily Flow	<u>7,550</u>
						& Date <u>6/7/2023</u>

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th each month.

Appendix C

Groundwater Monitoring Field Data Sheets



Hydraulic Monitoring Measurements - Well: B-4

Project Number:

12605516

Date:

5/15/2023

Latitude:

169586.02

Longitude:

1296174.8

Sampled By: LP

GHD

Instrument:

Depth to Water: 5.1

m BREF

Depth to Bottom:

m BREF

Reference Elevation:

Groundwater Elevation:

Dry? Yes No

LNAPL

DNAPL

LNAPL Depth: m BREF

DNAPL Depth: m BREF

LNAPL Density:

DNAPL Density:

LNAPL Thickness:

DNAPL Thickness:

Additional Notes

Parameter

Value

Previous

1:

2:

3:

4:

5:



Hydraulic Monitoring Measurements - Well: D-1R

Project Number:

12605516

Date:

5/15/2023

Latitude:

169621.43

Longitude:

1295981.22

Sampled By: LP

GHD

Instrument:

Depth to Water: 8.08

m BREF

Depth to Bottom:

m BREF

Reference Elevation:

Groundwater Elevation:

Dry? Yes No

LNAPL

DNAPL

LNAPL Depth:

m BREF

DNAPL Depth:

m BREF

LNAPL Density:

DNAPL Density:

LNAPL Thickness:

DNAPL Thickness:

Additional Notes

Parameter

Value

Previous

1:

2:

3:

4:

5:



Hydraulic Monitoring Measurements - Well: MW-1

Project Number:

12605516

Date:

5/15/2023

Latitude:

169296.65

Longitude:

1296188.19

Sampled By: LP

GHD

Instrument:

Depth to Water: 8.15

m BREF

Depth to Bottom:

m BREF

Reference Elevation:

Groundwater Elevation:

Dry? Yes No

LNAPL

DNAPL

LNAPL Depth:

m BREF

DNAPL Depth:

m BREF

LNAPL Density:

DNAPL Density:

LNAPL Thickness:

DNAPL Thickness:

Additional Notes

Parameter

Value

Previous

1:

2:

3:

4:

5:



Hydraulic Monitoring Measurements - Well: MW-10

Project Number:

12605516

Date:

5/15/2023

Latitude:

169735.75

Longitude:

1295981.19

Sampled By: LP

GHD

Instrument:

Depth to Water: 9.09

m BREF

Depth to Bottom:

m BREF

Reference Elevation:

Groundwater Elevation:

Dry? Yes No

LNAPL

DNAPL

LNAPL Depth:

m BREF

DNAPL Depth:

m BREF

LNAPL Density:

DNAPL Density:

LNAPL Thickness:

DNAPL Thickness:

Additional Notes

Parameter

Value

Previous

1:

2:

3:

4:

5:



Hydraulic Monitoring Measurements - Well: MW-12

Project Number: 12605516	Date: 5/15/2023	Latitude: 170007.65	Longitude: 1296130.83
------------------------------------	---------------------------	-------------------------------	---------------------------------

Sampled By: LP GHD **Instrument:**

Depth to Water: 7.05 m BREF **Depth to Bottom:** m BREF

Reference Elevation: **Groundwater Elevation:**

Dry? Yes No

LNAPL

DNAPL

LNAPL Depth: m BREF **DNAPL Depth:** m BREF

LNAPL Density: **DNAPL Density:**

LNAPL Thickness: **DNAPL Thickness:**

Additional Notes	Parameter	Value	Previous
1:			
2:			
3:			
4:			
5:			



Hydraulic Monitoring Measurements - Well: MW-13

Project Number: 12605516	Date: 5/15/2023	Latitude: 169981.6	Longitude: 1296276.74
------------------------------------	---------------------------	------------------------------	---------------------------------

Sampled By: LP GHD **Instrument:**
Depth to Water: 5.61 m BREF **Depth to Bottom:** m BREF
Reference Elevation: **Groundwater Elevation:**
Dry? Yes No

LNAPL

DNAPL

LNAPL Depth: m BREF **DNAPL Depth:** m BREF
LNAPL Density: **DNAPL Density:**
LNAPL Thickness: **DNAPL Thickness:**

Additional Notes	Parameter	Value	Previous
1:			
2:			
3:			
4:			
5:			



Hydraulic Monitoring Measurements - Well: MW-15

Project Number:

12605516

Date:

5/15/2023

Latitude:

169497.81

Longitude:

1296028.76

Sampled By: LP

GHD

Instrument:

Depth to Water: 7.32

m BREF

Depth to Bottom:

m BREF

Reference Elevation:

Groundwater Elevation:

Dry? Yes No

LNAPL

DNAPL

LNAPL Depth:

m BREF

DNAPL Depth:

m BREF

LNAPL Density:

DNAPL Density:

LNAPL Thickness:

DNAPL Thickness:

Additional Notes

Parameter

Value

Previous

1:

2:

3:

4:

5:



Hydraulic Monitoring Measurements - Well: MW-16

Project Number: 12605516	Date: 5/15/2023	Latitude: 169967.1	Longitude: 1296413.01
------------------------------------	---------------------------	------------------------------	---------------------------------

Sampled By: LP GHD

Instrument:

Depth to Water: 7.61 m BREF

Depth to Bottom: m BREF

Reference Elevation:

Groundwater Elevation:

Dry? Yes No

LNAPL

DNAPL

LNAPL Depth: m BREF

DNAPL Depth: m BREF

LNAPL Density:

DNAPL Density:

LNAPL Thickness:

DNAPL Thickness:

Additional Notes	Parameter	Value	Previous
1:			
2:			
3:			
4:			
5:			



Hydraulic Monitoring Measurements - Well: MW-2

Project Number:

12605516

Date:

5/15/2023

Latitude:

169233.4

Longitude:

1296206.01

Sampled By: LP

GHD

Instrument:

Depth to Water: 7.94

m BREF

Depth to Bottom:

m BREF

Reference Elevation:

Groundwater Elevation:

Dry? Yes No

LNAPL

DNAPL

LNAPL Depth:

m BREF

DNAPL Depth:

m BREF

LNAPL Density:

DNAPL Density:

LNAPL Thickness:

DNAPL Thickness:

Additional Notes

Parameter

Value

Previous

1:

2:

3:

4:

5:



Hydraulic Monitoring Measurements - Well: MW-3

Project Number: 12605516	Date: 5/15/2023	Latitude: 169446.72	Longitude: 1296467.35
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Sampled By: LP GHD **Instrument:**

Depth to Water: 7.1 m BREF **Depth to Bottom:** m BREF

Reference Elevation: **Groundwater Elevation:**

Dry? Yes No

LNAPL

DNAPL

LNAPL Depth: m BREF **DNAPL Depth:** m BREF

LNAPL Density: **DNAPL Density:**

LNAPL Thickness: **DNAPL Thickness:**

Additional Notes	Parameter	Value	Previous
1:			
2:			
3:			
4:			
5:			



Hydraulic Monitoring Measurements - Well: MW-4

Project Number:

12605516

Date:

5/15/2023

Latitude:

169581.04

Longitude:

1296471.29

Sampled By: LP

GHD

Instrument:

Depth to Water: 6.35

m BREF

Depth to Bottom:

m BREF

Reference Elevation:

Groundwater Elevation:

Dry? Yes No

LNAPL

DNAPL

LNAPL Depth:

m BREF

DNAPL Depth:

m BREF

LNAPL Density:

DNAPL Density:

LNAPL Thickness:

DNAPL Thickness:

Additional Notes

Parameter

Value

Previous

1:

2:

3:

4:

5:



Hydraulic Monitoring Measurements - Well: MW-5

Project Number: 12605516	Date: 5/15/2023	Latitude: 169624.56	Longitude: 1296470.47
------------------------------------	---------------------------	-------------------------------	---------------------------------

Sampled By: LP GHD **Instrument:**

Depth to Water: 7.76 m BREF **Depth to Bottom:** m BREF

Reference Elevation: **Groundwater Elevation:**

Dry? Yes No

LNAPL

DNAPL

LNAPL Depth: m BREF **DNAPL Depth:** m BREF

LNAPL Density: **DNAPL Density:**

LNAPL Thickness: **DNAPL Thickness:**

Additional Notes	Parameter	Value	Previous
------------------	-----------	-------	----------

- 1:
- 2:
- 3:
- 4:
- 5:



Hydraulic Monitoring Measurements - Well: MW-6

Project Number:

12605516

Date:

5/15/2023

Latitude:

169732.1

Longitude:

1296475.71

Sampled By: LP

GHD

Instrument:

Depth to Water: 8.88

m BREF

Depth to Bottom:

m BREF

Reference Elevation:

Groundwater Elevation:

Dry? Yes No

LNAPL

DNAPL

LNAPL Depth:

m BREF

DNAPL Depth:

m BREF

LNAPL Density:

DNAPL Density:

LNAPL Thickness:

DNAPL Thickness:

Additional Notes

Parameter

Value

Previous

1:

2:

3:

4:

5:



Hydraulic Monitoring Measurements - Well: MW-7

Project Number:

12605516

Date:

5/15/2023

Latitude:

169617.48

Longitude:

1296320

Sampled By: LP

GHD

Instrument:

Depth to Water: 8.94

m BREF

Depth to Bottom:

m BREF

Reference Elevation:

Groundwater Elevation:

Dry? Yes No

LNAPL

DNAPL

LNAPL Depth:

m BREF

DNAPL Depth:

m BREF

LNAPL Density:

DNAPL Density:

LNAPL Thickness:

DNAPL Thickness:

Additional Notes

Parameter

Value

Previous

1:

2:

3:

4:

5:



Hydraulic Monitoring Measurements - Well: MW-8

Project Number:

12605516

Date:

5/15/2023

Latitude:

169699.19

Longitude:

1296336.46

Sampled By: LP

GHD

Instrument:

Depth to Water: 8.42

m BREF

Depth to Bottom:

m BREF

Reference Elevation:

Groundwater Elevation:

Dry? Yes No

LNAPL

DNAPL

LNAPL Depth:

m BREF

DNAPL Depth:

m BREF

LNAPL Density:

DNAPL Density:

LNAPL Thickness:

DNAPL Thickness:

Additional Notes

Parameter

Value

Previous

1:

2:

3:

4:

5:



Project Number: 12605516

Water Level - 2023Q2

Date: 5/15/2023
Technician: LP
Site: P66 Renton Terminal

Well ID	Date/Time	Depth to LNAPL (m BREF)	Depth to Water (m BREF)	Depth to DNAPL (m BREF)	Depth to Bottom (m BREF)	Well Dry?	Notes and Comments
B-4	5/15/23		5.1			No	
B-6	5/15/23		5.14			No	
D-1R	5/15/23		8.08			No	
MW-1	5/15/23		8.15			No	
MW-10	5/15/23		9.09			No	
MW-11	5/15/23		5.16			No	
MW-12	5/15/23		7.05			No	
MW-13	5/15/23		5.61			No	
MW-15	5/15/23		7.32			No	
MW-16	5/15/23		7.61			No	
MW-2	5/15/23		7.94			No	
MW-3	5/15/23		7.1			No	
MW-4	5/15/23		6.35			No	
MW-5	5/15/23		7.76			No	

